



STEAME

TEACHER FACILITATORS ACADEMY

*D4.2 WEB-BASED OBSERVATORY OF THE
EUROPEAN STEAME TEACHER ACADEMIES:
THE TOOL*



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WP4

D4.2 Web-based Observatory of the European STEAME Teacher Academies: The tool

Deliverable leading partner: Cyprus Mathematical Society

www.steame-academy.eu



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1. INTRODUCTION

The Web-based Observatory of the European STEAME Teacher Facilitators Academies serves as the central digital infrastructure supporting the coordinated activities of Regional and National STEAME Academies across Europe. It is a deliverable of the EU-funded *European STEAME Teacher Facilitators Academy* project, designed to advance interdisciplinary education by empowering teachers through training, resources, certification, and collaborative structures rooted in the STEAME methodology — Science, Technology, Engineering, Arts, Mathematics, and Entrepreneurship.

This manual provides a complete walkthrough of the platform located at: <https://federation-steame-academies.eu>

Its objective is to guide educators, STEAME Academies managers, institutional STEAME coordinators, and project partners through the platform's full functionality. It explains how to:

- Navigate the website's public and member areas
- Register new STEAME academies
- Access and submit STEAME Learning and Creativity Plans
- Apply for and manage teacher certification pathways
- Participate in mentoring programmes
- Submit events and share updates with the broader STEAME community
- Ensure GDPR compliance in all submissions

The Observatory acts as both a resource repository and a collaborative ecosystem. Its tools allow visibility and connection between institutions, while also providing educators with structured engagement opportunities through standardized forms, interactive directories, and professional development tracks.

This manual is organized by platform section and includes:

- Navigation structure
- Section purposes and functionality
- Screenshots for visual reference
- Step-by-step instructions for all interactive forms
- Partner and contact information

2. PLATFORM ACCESS & NAVIGATION

The STEAME Observatory is accessible at: <https://federation-steame-academies.eu>

The platform is publicly available and optimized for modern web browsers including Google Chrome, Mozilla Firefox, Microsoft Edge, and Safari.

Main Navigation Menu

Located at the top of every page, the primary navigation menu allows users to easily access all public and interactive sections. The following menu items are available:

1. **Home** – The landing page of the platform, highlighting the mission, news, and core actions of the STEAME Federation.
2. **Federation** – A detailed section describing the structure, vision, and key components of the Federation of STEAME Academies.
3. **STEAME Observatory** – The central hub with links to all major platform functions, including:
 - Regional/National Academies
 - Learning & Creativity Plans
 - Teacher Certification Pathways
 - Mentoring Programme
 - Submit Your Academy
 - Submit Your Event
4. **News & Events** – A list of current announcements, publications, and upcoming activities.
5. **Contact** – Direct link to the platform's contact and GDPR consent form.

Users can also access sub-sections using dropdown menus where available.

Accessing Submissions

While most of the platform is public, certain submission functions (e.g. registering an academy, submitting an event, or uploading a certification pathway) require users to fill in online forms. These are accessed through links on the relevant pages under the *STEAME Observatory* section.

Accessibility

The website is responsive and can be viewed on desktops, tablets, and smartphones. Accessibility considerations include:

- Simple interface with clear headings
- Standardized form layouts
- Optimized loading speeds for all connection types

3. FEDERATION HOMEPAGE OVERVIEW

<https://federation-steame-academies.eu>

1. Main Header and Navigation Menu

Description:

The top of the page features the platform's main navigation menu, with links to all major areas including:

- *Home*
- *About the Federation* (with subpages: Profile, Statute, Management Board, Members)
- *Observatory*
- *News & Newsletters*
- *Events & Submissions*
- *Contact*

Purpose:

To provide users with consistent, always-available access to the full structure of the platform.

2. Platform Title Block

Description:

Prominently displays the name "European Federation of STEAME Teacher Facilitators Academies" along with a subtitle indicating the **European-level** scope of the project.

Purpose:

To communicate immediately that this is a formal, EU-supported initiative focused on STEAME education.

3. Video Pitch Section

Description:

A callout box invites users to watch a short promotional video (under 150 seconds) that introduces the Federation's purpose and vision.

Purpose:

To offer a fast, engaging orientation to the project for new visitors — ideal for use in presentations, outreach, or teacher onboarding.

4. Quick-Access Buttons / Key Action Areas

Description:

A set of large clickable boxes link directly to the platform's core tools:

- STEAME Education Communications & Webinars
- Application to establish a Regional STEAME Academy
- Link to the official STEAME-ACADEMY Project site

Purpose:

To immediately guide users to high-priority actions and external resources that support local academy creation, training, and outreach.

5. STEAME Platform Observatory Preview Block

Description:

A short informational paragraph titled “The STEAME Platform Observatory” introduces the core features of the observatory platform, such as:

- Freely available resources
- Certification support for teachers
- Access to regional academies
- Language-localized mentoring

Purpose:

To preview the functionality of the Observatory section and encourage teachers to explore tools relevant to their growth and collaboration.

6. Federation Highlights: Academy Access Links

Description:

Two text links provide access to:

- The European Federation STEAME Academy
- The network of Regional/National STEAME Academies

Purpose:

To guide educators or institutional representatives toward locating academies by region and connecting with local support.

7. News Preview Block

Description:

Shows the three latest news entries with their titles and links

Purpose:

To share updates and maintain transparency about activities, milestones, and community engagement across Europe.

8. Events Preview Block

Description:

Displays the most recent upcoming or past events related to the Federation and the STEAME Academies network.

Purpose:

To keep stakeholders informed and engaged with the calendar of project-related events, workshops, and conferences.

9. Newsletter Subscription Form

Description:

An email sign-up form allowing visitors to subscribe to regular project updates.

Purpose:

To build a contact base and communication channel for sharing resources, opportunities, and announcements.

10. EU Funding Disclaimer

Description:

Standard text explaining the EU funding status and legal disclaimer.

Purpose:

To acknowledge the EU's support and clarify that content reflects the authors' views only.

11. Footer Section

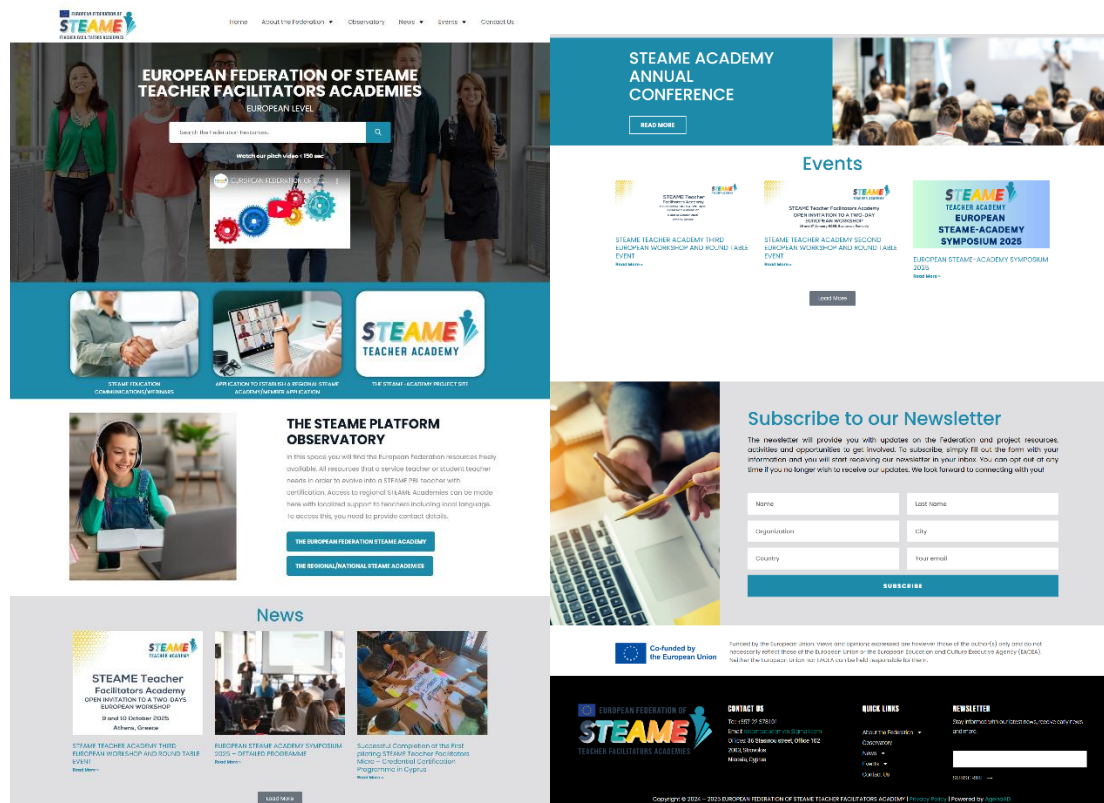
Description:

Provides quick navigation links, contact info, and a final prompt to subscribe.

Purpose:

To ensure users can easily find key site pages from anywhere and connect with the Federation for further involvement.

Appendix 1 - Platform Access & Navigation



4. STEAME OBSERVATORY HOMEPAGE

This page functions as the **gateway to the STEAME Observatory**, the core functional space of the platform. It provides access to tools and forms for submitting content, applying for certification, participating in mentoring, and browsing available academies, plans, and events. This section is dynamic and designed for both service teachers and student teachers. <https://federation-steame-academies.eu/the-platform-observatory/>

1. Top Header and Context Menu

Description:

The page includes a contextual sub-navigation area where users can jump to related tools and features such as:

- About the Project
- STEAME Teacher Certification
- Mentoring Programme
- STEAME Education Communications
- STEAME Journal
- Academies
- Events
- News
- The Federation Resources
- Useful Links and Material

Purpose:

To give users quick, organized access to all functional elements of the platform from one place. Each link leads to a different resource or submission form.

2. Main Title: “The Platform Observatory”

Description:

This bold heading introduces the user to the Observatory section, framed as the functional core of the site where real educational collaboration happens.

Purpose:

To signal to users that this is the starting point for exploring all tools — certification, plans, events, mentoring, and more.

3. Direct Access Link: Regional/National Level STEAME Academies

Description:

A large right-facing arrow (→) button marked “*Regional/National Level STEAME Academies*”.

Purpose:

To guide users toward the interactive map or directory of regional and national academies they can join or contact, based on their geographic area.

4. Contact & Access Form (Required Fields)

Description:

Below the main observatory content is a GDPR-compliant **personal data form**, requesting the following required information:

- Full Name
- Email
- Country (dropdown with all countries worldwide)
- City
- GDPR consent checkbox

Purpose:

To allow teachers, student teachers, or academy applicants to identify themselves and initiate contact with the platform, particularly for regional connections or certification interest.

This section acts as a gate to unlock personalized guidance or to trigger email follow-ups based on country and region.

5. Live Counters: Project Metrics

Description:

A row of counters shows four project metrics (currently at “0” values, possibly dynamic):

- Number of Countries
- Number of Academies
- Number of Languages
- Number of Learning & Creativity Plans

Each is marked “by 15 January 2025.”

Purpose:

To communicate the platform’s progress and engagement targets transparently — helping users understand the reach and development stage of the initiative.

6. The Federation Resources Section

Description:

A detailed paragraph explains the Federation’s purpose — to **train teachers**, promote **project-based STEAME learning**, and build a **European network of Academies**. It highlights connections to Erasmus+ and the long-term vision of educational transformation.

Purpose:

To give ideological and professional context to the platform — showing that this is not just a tool, but a strategic initiative to shape the future of STEAME education in Europe.

7. European STEAME Teacher Facilitator Certification (Micro-Credential)

Description:

A text block introduces the Certification Pathway and explains how users can apply:

- Either through a local (regional) academy
- Or, if none exists, directly via the Federation

A call-to-action button labeled “**APPLY NOW**” is placed below, with mention of “Submit the report online (TOOL UNDER CONSTRUCTION).”

Purpose:

To guide service teachers or teacher candidates toward formal professional recognition within the Federation’s framework.

8. Useful Links Sections (Three Subsections)

Description:

Divided by audience type, each links to external resources:

- **School Service Teachers** – STEAME in school education
- **Student Teachers – Higher Education** – Higher education-specific links
- **School Students** – Competency tools, learning videos

Purpose:

To provide targeted links and learning tools for different audience types using the platform.

9. Mentoring Programme Overview

Description:

Two subsections

- **“Become a STEAME Mentor”** – inviting experienced school teachers to mentor student teachers
- **“Find a STEAME Mentor for Me”** – inviting student teachers to request mentoring support

Purpose:

To build a long-term, supportive mentoring structure that links experience with learning.

10. Newsletter Subscription (Bottom Section)

Description:

A duplicate of the main platform-wide newsletter form: Name, Email, Organization, City, Country.

Purpose:

To grow the Federation’s outreach list and keep users informed of updates and opportunities.

Appendix 2 - STEAME Observatory Homepage

The screenshot displays the STEAME Observatory homepage. At the top, a navigation bar includes links for Home, About the Observatory, Observatory, News, Events, and Contacts. The main header features the STEAME logo and a menu icon. Below the header, the page is divided into several sections. On the left, a large banner for 'THE PLATFORM OBSERVATORY' is accompanied by a photo of a group of people. To the right, a 'Useful Links' section is organized into three columns: 'SCHOOL SERVICE TEACHERS', 'STUDENT TEACHERS HIGHER EDUCATION', and 'SCHOOL STUDENTS'. Below this, the 'Mentoring Programme' section offers two options: 'Become a STEAME Mentor' and 'Find a STEAME Mentor for me'. Further down, a 'Subscribe to our Newsletter' section includes a form with fields for Name, Surname, Organization, City, Country, and Email, along with a 'SUBSCRIBE' button. The bottom of the page features a 'EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION' section and a footer with contact details and a copyright notice.

5. NEWS & EVENTS FUNCTIONALITY

1. News Section

The **News** section of the STEAME Federation platform is dedicated to publishing official updates, announcements, and progress reports from the Federation and its partners. It will be used to:

- Inform stakeholders about project milestones, completed events, new resources, and publications
- Showcase the impact of the Federation's activities across Europe
- Maintain transparency and a regular flow of communication with educators, partners, and the wider public

Content in this section is curated and published by the Federation team. It acts as a central archive for all major updates related to the European STEAME Teacher Academies initiative.

2. Events Section

The **Events** section is focused on promoting upcoming activities such as:

- Federation-hosted workshops, symposia, and certification round tables
- Key European or national gatherings connected to STEAME education
- Important dates for teacher training, academy participation, or project dissemination

The section will help users plan attendance, stay informed, and connect with professional development opportunities. Events are published either by the Federation or, in the future, via contributions from verified users.

3. Community Event Submission*

The platform will soon include a **Community Event Submission** feature that will allow teachers, STEAME Academy representatives, and other contributors to propose events directly through the platform. Although this functionality is currently **under construction**, it is designed to support grassroots participation and increased visibility of local STEAME initiatives.

The feature is expected to:

- **Enable bottom-up sharing** of STEAME-related events such as school workshops, academy-hosted trainings, interdisciplinary competitions, and educational conferences
- **Provide a standardized submission form** with required fields including:
 - Event title
 - Description
 - Date and time
 - Location (physical or online)
 - Target audience
 - Organizer contact information
- **Incorporate a moderation and approval process:**
 - Submitted events will be reviewed by the Federation's administrative team to ensure alignment with STEAME educational objectives
 - Only approved events will be published and appear on the platform's public events calendar
 - Contributors may be contacted for clarification or additional information before approval

This upcoming functionality will significantly expand the platform's community-building capabilities, giving educators across Europe a channel to promote their own activities. It supports the STEAME Federation's goal of fostering collaborative visibility, local engagement, and teacher-led innovation within the broader STEAME education framework.

4. Newsletter Section

The **Newsletter** section hosts downloadable editions of the Federation's newsletters, published at regular intervals. It serves to:

- Summarize news, achievements, and upcoming opportunities
- Provide a convenient format for sharing updates with broader networks
- Allow stakeholders to stay informed even if they don't visit the website frequently

Past newsletters are archived by year and can be downloaded in PDF format, allowing educators and institutional partners to track the project's evolution over time.

6. STEAME OBSERVATORY TOOLS

6.1 STEAME Teacher Facilitator Certification Pathway (Under Development)*

The STEAME Federation platform is in the process of launching a structured **certification pathway for teachers**, aimed at recognizing their ability to design and implement interdisciplinary, project-based STEAME learning activities. This certification will be awarded in the form of a **micro-credential** and is aligned with a competence-based framework developed at the European level.

Purpose of the Certification

The purpose of the certification process is to:

- Equip teachers with hands-on experience in STEAME education
- Validate their ability to create and apply interdisciplinary Learning and Creativity Plans (L&C Plans)
- Promote reflective teaching practices and structured evaluation
- Support the professional development and recognition of educators across Europe

The process is particularly tailored for **service teachers** (those actively teaching) and **student teachers** (pre-service educators), promoting collaboration and peer learning.

Structure of the Certification Process

Teachers will go through a step-by-step reporting and evaluation process, which includes the following key components:

1. Team-Based Co-Creation

- Applicants must form a team of at least two educators to co-design a STEAME Learning and Creativity Plan.
- Each applicant provides their teaching background (subject, level, institution, etc.) as part of the initial application.

2. Plan Development and Submission

- The team submits a completed Learning & Creativity Plan in PDF format.
- For each of the 14 STEAME modules available on the platform, applicants must reflect on how elements were incorporated into their L&C Plan (up to 50 words per module).

3. Implementation in the Classroom

- The L&C Plan must be implemented with students over a series of lessons.
- Applicants report the number of students involved, along with the exact dates of implementation.
- Evidence of implementation is submitted in the form of photographs or videos.

4. Parental Permissions

- Teachers must confirm whether they have secured parental permission for any media submitted.
- If not, they must provide a signed privacy declaration.

5. Feedback and Reflection

- Student feedback is collected using a standard set of questions addressing four key areas:
 - Real-life relevance of the project
 - Clarity of methods and teamwork experience
 - Student agency and learning ownership
 - Interest and long-term motivation to continue with STEAME learning
- Raw data (anonymous) must be submitted in Excel format.
- Each teacher must reflect on this feedback in writing.

6. Self-Evaluation

- Applicants must evaluate their own performance against a comprehensive **Competence Framework** that covers:
 - Contextualisation of STEAME projects
 - Methodological quality and learning support
 - Student agency and coaching
 - Innovation and sustainability in STEAME teaching

Each competence area contains performance descriptors at three levels, with applicants required to:

- Select the descriptor that reflects their level
- Justify their self-assessment in writing (up to 50 words per criterion)

Assessment & Validation

Once submitted, the full report will be reviewed by evaluators within the Federation (or a Regional STEAME Academy, where applicable). The assessment will consider:

- The quality of the L&C Plan
- Evidence of classroom implementation
- Student feedback and engagement
- Completeness and accuracy of the self-evaluation

Applicants who meet the standards outlined in the competence framework will be awarded the **STEAME Teacher Facilitator Certification**, which may also be used to support career development or further accreditation.

Note: Until the full online submission system is finalized, the reporting is handled manually using downloadable templates. Once complete, the process will be fully integrated into the STEAME platform.

6.2 Mentoring Programme – Mentor & Mentee Functionality

The **STEAME Mentoring Programme** is a structured system within the platform designed to foster professional growth by connecting experienced STEAME teachers (mentors) with early-career or

student teachers (mentees). The system is fully integrated and provides a streamlined process for registration, verification, approval, and public listing.

Purpose of the Mentoring System

This programme aims to:

- Facilitate practical guidance for student teachers as they implement STEAME methodologies
- Promote intergenerational knowledge transfer between experienced educators and new entrants
- Strengthen the STEAME community by encouraging collaboration and mutual support

The programme is built around two core roles:

- **Mentors** – Experienced service teachers or teacher trainer in STEAME disciplines
- **Mentees** – Student teachers or new educators or serving teachers seeking support in STEAME integration

Core Functionality

The system is composed of three key components:

1. Mentor Display Page

Approved mentors are listed on a **public mentor directory** where mentees can browse available profiles. Each mentor's entry includes:

- Name, affiliation, country
- Areas of expertise or focus (e.g., STEAME disciplines, mentoring topics)
- Option for student teachers to express interest in connecting

This promotes visibility and accessibility of mentors across regions.

2. Mentor Submission Form and approval

Teachers who wish to become mentors fill out a dedicated **Mentor Registration Form**, providing:

- Full contact details and affiliation
- Educational background and teaching experience
- Areas they can mentor in
- Consent to appear in the public mentor list

The system includes the following behind-the-scenes features:

- **Email notification** is automatically sent to the admin upon submission
- **Verification code logic** ensures security during submission
- A dynamic message appears after code entry: *"Verifying code, please wait..."*
- Submission metadata is stored securely in post meta fields
- Mentors can be **approved or rejected** by the admin using a moderation interface (similar to comment approvals)

3. Mentee Submission Form

Mentees register using a simple, structured form that asks for:

- Name, email, institution (if any), and area(s) of interest
- Optional preference for a specific mentor

Key process detail:

- Upon submitting the form and **successfully confirming their email via verification code**, the mentee is **automatically approved**
- No manual intervention is required from the platform administrator at this stage
- Confirmation emails are sent to the mentee, and their request becomes active in the system
- The mentee is being given a password to use along with their email address in order to be able to re-visit the page in case they don't find a suitable mentor the first time they register.

This frictionless entry helps encourage broader participation while still ensuring accountability via email verification.

Both mentor and mentee submissions result in **email notifications** to the platform administrators, allowing them to manage the process efficiently.

Matching Process (Current Logic)

Once both mentors and mentees are in the system:

- **Mentees may freely browse the approved mentor list** and choose a mentor they are interested in
- However, **mentees do not receive the mentor's contact information** directly
- Instead, the mentee uses a **built-in contact form** on the platform to send a request. This message is delivered to:
 - The selected mentor
 - The Federation's administrative team

This ensures that all first communications are **initiated securely and with oversight**.

Mentors can then choose whether to proceed.

- If the mentor is **willing to engage**, they may reply **directly to the mentee via email**
- The mentor is **not required to CC the Federation** — the response is private, preserving autonomy and privacy after initial contact

This approach ensures:

- Controlled, consent-based introductions
- Data protection and GDPR compliance
- Freedom for mentors to decide whether to engage, while maintaining a professional first contact point

The system supports both **self-initiated connections by mentees** and **administrator-supported matchmaking** where appropriate, offering flexibility and scalability.

Appendix 3.1 - Mentors registration form

EUROPEAN FEDERATION OF
STEAM
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Home About the Federation Observatory News Events Contact Us

Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of school, URL website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please Type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science

☐ Technology

☐ Engineering

☐ Arts

☐ Mathematics

☐ Entrepreneurship

Select All

Upload Photo (required)

Choose File No file chosen

Accepted file types: jpg, png, gif. Max. file size: 5 MB.

Upload bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship

☐ Internship Collaboration

☐ Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?

☐ Associate partner of the project STEAM-Academy

☐ Private

☐ Public

☐ School (Any grades within K-12)

☐ Higher Education

☐ Training Centre

☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Appendix 3.2 - Mentoring Programme – Mentee Functionality



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

 Click the "Send Code" button to receive a verification code via email.
 If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)

Professional field of expertise/studies (Required)

Teaching subjects, if any

- ☐ Science
- ☐ Technology
- ☐ Engineering
- ☐ Arts
- ☐ Mathematics
- ☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
- ☐ Associate partner of the project STEAME-Academy
- ☐ Private
- ☐ Public
- ☐ School (Any grades within 1-12?)
- ☐ Higher Education
- ☐ Training Centre
- ☐ Other

Mentorship Type (Required)

- ☐  Online Mentorship
- ☐  Internship Collaboration
- ☐  Co-creation towards STEAME Certification



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Appendix 3.3 - Mentoring Programme – Mentors Display

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Home About the Federation Observatory News Events Contact Us

Display Mentors

Display Mentors

Email (required) Please Type Verification Code (required)

youremail@youremail.com 980063

Enter your email to receive a verification code and view the mentor list

Search mentors... Mathematics All Types All Languages

Gregoris Makrides
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

[View Profile](#)

Appendix 3.4 - Mentoring Programme – Mentors Bio display

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Display Ment

Display Ment

Email (required)

youremail@youremail.com

Enter your email to receive a verification code

Search mentors... Mathematics All Types All Languages

Gregoris Makrides

First Name: Gregoris, Last Name: Makrides, Affiliation: University of the National Education Commission, City of Work: Krakow, Country of Work: Poland, Language: English, Professional Field: Mathematics and STEAME Education

Bio: Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

[View Profile](#)

6.3 Learning & Creativity Plans

The **Learning & Creativity Plans (L&C Plans)** section of the STEAME platform serves as a digital repository of interdisciplinary, project-based lesson plans that align with the STEAME educational framework (Science, Technology, Engineering, Arts, Mathematics, and Entrepreneurship). These resources are developed by educators, evaluated through piloting phases, and made available to support classroom implementation across different age groups and educational levels.

Purpose of the Section

This section is designed to:

- Provide **ready-to-use lesson plans** for educators working in STEAME disciplines
- Encourage interdisciplinary thinking by showcasing examples that combine multiple subjects into cohesive learning activities
- Support teachers participating in the **STEAME Certification Pathway**, where creating and applying an L&C Plan is a core requirement
- Promote **collaboration, creativity, and innovation** in European classrooms

Each plan emphasizes real-world relevance, teamwork, active learning, and the application of the STEAME methodology through structured project design.

Key Features and Structure

Educators accessing the Learning & Creativity Plans section can:

- **Browse the full library of published plans**
- **Filter plans** by:
 - **Subject categories** (e.g. Science, Mathematics, Engineering, Arts, etc.)
 - **Age group** (e.g. 10–14, 14–18, or special levels)
 - **Language**
 - **Author**
- **View each plan's details**, including:
 - Title and plan code (e.g., "ST53 – The Future of Energy")
 - Target age group and curriculum subjects
 - Author name and institution
 - Short description and learning objectives
 - Access to the full downloadable plan or preview
- **Use advanced filtering options** to find plans relevant to specific themes, countries, or educational settings

Each plan is peer-reviewed or piloted during development, ensuring a level of quality and alignment with STEAME teaching principles.

Use in Certification and Daily Teaching

For teachers following the **STEAME Certification Pathway**, selecting or creating a Learning & Creativity Plan is a required step in the process. These plans serve as both:

- A **template** for developing interdisciplinary activities
- A **submission requirement** tied to classroom implementation and student feedback

For all educators, the L&C Plans repository acts as a **creative springboard**, helping them integrate STEAME methodology into real classroom scenarios with practical, age-appropriate examples.

Appendix 4 - Learning & Creativity Plans



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THE FEDERATION RESOURCES

Category

All videos available in the Resources below are available in 9+ languages subtitles. Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

Find a Resource

PE: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

Click HERE to view a full list of Learning & Creativity Plans

SHOW RESULTS

Reset All

Category

European Level

Learning & Creativity Plans

Modules

Subcategory

Age Levels

Language

SHOW RESULTS

Reset All

Descending

Ascending

Most Viewed

Regional Academies

10-16



PS1- Finding science and mathematics in arts of Solvatore Dali-EN

10-14



PS2- Discovering Antoni Gaudi-EN

10-14



PS3- Eco multi-use cube from reused water plastic bottles-EN

10-14



PS4- Sound proof panels from reused polyester fabric waste-EN

10-14



PS5- Water filter ecological straw-EN

14-16



PS6- Research- AI tools in education-EN

14-16



PS7- Exploring and presenting AI tools within school assignments-EN

14-16



PS8- Escape Room in the classroom-EN

10-14



PS9- Four triangle centres and the Euler line-EN

14-16



PS10- Programming through gamification-EN

10-14



PS11- Weather in my city-EN

10-14



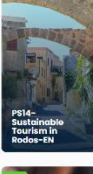
PS12- Eco-Innovation Designing a sustainable Product using Chat GPT-EN

10-16



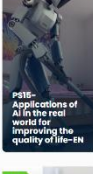
PS13- Ancient Greek Innovators Exploring and Recreating Technology-EN

10-14



PS14- Sustainable Tourism in Rhodes-EN

14-16



PS15- Applications of AI in the real world for improving the quality of life-EN

14-16



PS16- The Spread of Infectious Diseases-EN

14-16



PS17- Handling Data in the context of Climate Change-EN

14-16



PS18- Using simple linear programming -EN

14-16



PS19- Sweet Hive Venture-EN

14-16



PS20- Art Studio-EN

1

2

3

Next



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6.4 Regional and National Academies

The **Regional and National STEAME Academies** section of the platform presents the growing network of localized STEAME Academies established across Europe and beyond. These academies operate under the coordination and quality standards of the STEAME Federation and serve as national or regional hubs for teacher training, mentoring, certification, and dissemination of STEAME learning practices.

Purpose of the Section

This section exists to:

- **Map the geographical spread** of active STEAME Academies in different countries
- **Provide visibility** to regional actors who support localized implementation of the STEAME framework
- **Guide teachers and institutions** to connect with their nearest academy for access to certification, training, and community support
- **Encourage the creation** of new regional academies under the Federation's umbrella

It aligns with the broader vision of the STEAME project: to scale educational transformation by enabling local ownership and adaptation within a structured European framework.

Key Features and Structure

The section includes:

6.4.1 Country Listings

A list of participating countries with functioning or developing Regional STEAME Academies. Each country entry may link to further details about the academy, such as:

- Institutional host
- Contact point
- Language of operation
- Active programmes and local STEAME activities

Countries currently involved include (as examples): Belgium, Bulgaria, Cyprus, Greece, Poland, Portugal, Romania, and Spain. The list is expected to expand as new academies are approved.

6.4.2 Application to Establish a New Academy

Organizations (e.g., schools, teacher training centers, NGOs, or universities) that wish to establish a new STEAME Academy in their region may do so via the platform. The section includes:

- A clear **“Establish a Regional STEAME Academy”** call-to-action
- An **“Apply Now”** button that leads to the application form or submission process

These applications are reviewed by the Federation, following guidelines and alignment with project goals.

6.4.3 Federation Membership Invitation

Beyond establishing an academy, institutions may also apply to become **members of the Federation**. A separate **“Become a Member”** option with its own **“Apply Now”** button is available for this purpose.

Process Summary

1. **Teachers** visiting the platform can identify their national or regional academy and reach out for support.
2. **Institutions** can apply to create new academies where none exist, helping expand the STEAME ecosystem.
3. **Mentorship and certification** often flow through these academies, providing local points of contact for program delivery.

Appendix 5 - Regional and National Academies

Appendix 5.1 - Regional and National Academies



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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

[APPLY NOW](#)

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

[APPLY NOW](#)



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Appendix 5.2 - Form to establish a Regional Academy



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

Choose file No file chosen

NEXT

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Notes

* Functionalities indicated with * will appear within the project life duration.

Useful Links

- View all mentors for mentee (search functionality as well): <https://federation-steame-academies.eu/display-mentors/>
- Mentee form submission: <https://federation-steame-academies.eu/mentees-form/>
- Mentor form submission: <https://federation-steame-academies.eu/mentors-form/>

**WEB-BASED OBSERVATORY OF THE
EUROPEAN STEAME TEACHER ACADEMIES:
THE TOOL – TRANSLATION IN OTHER
LANGUAGES**



STEAME АКАДЕМИЯ ЗА ПОДГОТОВКА НА ФАСИЛИТАТОРИ НА УЧИТЕЛИ

Референтен номер: 101102619

Период на изпълнение: 1 юни 2023 г. – 31 май 2026 г.

РП4

Д4.2 Уеб-базирана обсерватория на европейските STEAME академии за учители с оперативно съдържание

Водещ партньор по изпълнението на резултата: Кипърско
математическо дружество

www.steame-academy.eu



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1. ВЪВЕДЕНИЕ

Уеб-базираната обсерватория (онлайн платформа) на европейските STEAME академии за фасилитатори на учители (обучители на учители) служи като централна цифрова инфраструктура, подпомагаща координираните дейности на регионалните и националните STEAME академии в цяла Европа. Тя е резултат от финансирания от ЕС европейски проект STEAME Teacher Facilitators Academy, насочен към подобряване на интердисциплинарното образование чрез овластяване на учителите посредством обучение, ресурси, сертифициране и структури за сътрудничество, основани на методологията STEAME — наука, технологии, инженерство, изкуства, математика и предприемачество.

Това ръководство предоставя пълна информация за платформата, достъпна на: <https://federation-steame-academies.eu>

Целта му е да насочва преподаватели, мениджъри на STEAME академии, институционални координатори на STEAME и партньори по проекта при използването на всички функционалности на платформата. Той обяснява как да:

- Навигирате в публичните зони и зоните за членове на уебсайта
- Регистрирате нови STEAME академии
- Получавате достъп до STEAME планове за обучение и творчество и да ги изпращате
- Кандидатствате за сертифициране на учители и да управлявате пътищата за сертифициране
- Участвате в менторски програми
- Изпращате информация за събития и да споделяте актуализации с по-широката STEAME общност
- Осигурявате съответствие с изискванията на GDPR при всички подавания

Обсерваторията функционира както като хранилище на ресурси, така и като екосистема за сътрудничество. Нейните инструменти осигуряват видимост и възможности за свързване между институциите, като същевременно предоставят на преподавателите структурирани възможности за участие чрез стандартизирани формуляри, интерактивни директории и пътеки за професионално развитие.

Ръководството е организирано по разделите на платформата и включва:

- Навигационна структура
- Предназначение и функционалност на раздела
- Екранни снимки за визуална справка
- Инструкции стъпка по стъпка за всички интерактивни форми
- Информация за партньори и контакти

2. ДОСТЪП ДО ПЛАТФОРМАТА И НАВИГАЦИЯ

STEAME Обсерваторията е достъпна на: <https://federation-steame-academies.eu>

Платформата е публично достъпна и оптимизирана за съвременни уеб браузъри, включително Google Chrome, Mozilla Firefox, Microsoft Edge и Safari.

Основно навигационно меню

Разположено в горната част на всяка страница, основното навигационно меню осигурява на потребителите лесен достъп до всички публични и интерактивни секции. Менюто включва следните елементи:

1. Начало – началната страница на платформата, представяща мисията, новините и основните дейности на Федерацията STEAME.
2. Федерация – подробен раздел, представящ структурата, визията и основните компоненти на Федерацията на STEAME академиите.
3. STEAME Обсерватория – централна секция с връзки към всички основни функционалности на платформата, включително:
 - Регионални/национални академии
 - Планове за обучение и творчество
 - Пътеки за сертифициране на учители
 - Менторска програма
 - Подаване на информация за академия
 - Подаване на информация за събитие
4. Новини и събития – списък с актуални съобщения, публикации и предстоящи дейности.
5. Контакт – директна връзка към страницата за контакт на платформата и формуляра за съгласие съгласно GDPR.

Потребителите могат също така да получават достъп до подсекции чрез падащи менюта, когато такива са налични.

Достъп до подадени материали

Въпреки че по-голямата част от платформата е публично достъпна, някои функционалности за подаване на информация (напр. регистрация на академия, подаване на събитие или качване на пътека за сертифициране) изискват от потребителите да попълнят онлайн формуляри. До тях се достига чрез връзки на съответните страници в секцията STEAME Обсерватория.

Достъпност

Уебсайтът е адаптивен и може да се използва на настолни компютри, планшети и смартфони. Мерките за достъпност включват:

- Опростен интерфейс с ясни заглавия
- Стандартизирани оформления на формулярите
- Оптимизирана скорост на зареждане при различни видове интернет връзки

3. ПРЕГЛЕД НА НАЧАЛНАТА СТРАНИЦА НА ФЕДЕРАЦИЯТА

<https://federation-steame-academies.eu>

1. Основна горна лента и навигационно меню

Описание: В горната част на страницата се намира основното навигационно меню на платформата с връзки към всички основни области, включително:

- *Начало*
- *За Федерацията (с подстраници: Профил, Устав, Управителен съвет, Членове)*
- *Обсерватория*
- *Новини и бюлетини*
- *Събития и публикации*
- *Контакт*

Цел: Да осигури на потребителите последователен и постоянен достъп до цялата структура на платформата.

2. Заглавие на платформата

Описание: На видно място е представено името „Европейска федерация на STEAME академии за фасилитатори на учители“, заедно с подзаглавие, указващо обхвата на проекта на европейско равнище.

Цел: Незабавно да се подчертае, че това е официална инициатива, подкрепена от ЕС, с фокус върху STEAME образованието.

3. Секция за видеопредставяне

Описание: Секция с надпис, приканващ потребителите да гледат кратък промоционален видеоклип (под 150 секунди), представящ целта и визията на Федерацията.

Цел: Да предостави на новите посетители бързо и ангажиращо представяне на проекта, подходящо за използване в презентации, популяризиране или обучение на учители.

4. Бутони за бърз достъп / основни области за действие

Описание: Набор от големи интерактивни полета, които осигуряват директен достъп до основни инструменти и ресурси на платформата:

- STEAME образователни комуникации и уебинари
- Заявление за създаване на регионална STEAME академия
- Връзка към официалния сайт на проекта STEAME-ACADEMY

Цел: Да осигури незабавен достъп до приоритетни действия и външни ресурси, подпомагащи създаването на местна академия, обучението и разпространението на информация.

5. Преглед на STEAME Обсерваторията

Описание: Кратък информационен параграф, озаглавен „Обсерваторията на платформата STEAME“, представя основните характеристики на STEAME Обсерваторията, като например:

- Свободно достъпни ресурси
- Подкрепа за сертифициране на учители
- Достъп до регионални академии
- Менторство на различни езици

Цел: Да представи основните функционалности на STEAME Обсерваторията и да насърчи учителите да изследват инструменти, подходящи за тяхното професионално развитие и сътрудничество.

6. Акценти на Федерацията: връзки за достъп до академиите

Описание: Две текстови връзки осигуряват достъп до:

- Европейската Федерация на STEAME академиите
- Мрежата от регионални/национални STEAME академии

Цел: Да насочва преподаватели и институционални представители към академии в различни региони и да улеснява свързването с местна подкрепа.

7. Преглед на новини

Описание: Показва трите най-нови новини с техните заглавия и връзки

Цел: Да споделя актуална информация и да осигурява прозрачност относно дейностите, етапите на развитие и ангажираността на общността в цяла Европа.

8. Преглед на събития

Описание: Показва най-скорошните предстоящи или минали събития, свързани с Федерацията и мрежата от STEAME академии.

Цел: Да информира и ангажира заинтересованите страни чрез календар на събития, семинари и конференции, свързани с проекта.

9. Формуляр за абонамент за информационния бюлетин

Описание: Формуляр за регистрация по имейл, чрез който посетителите могат да се абонират за редовни актуализации по проекта.

Цел: Да изгради база от контакти и комуникационен канал за споделяне на ресурси, възможности и съобщения.

10. Отказ от отговорност относно финансирането от ЕС

Описание: Стандартен текст, разясняващ статуса на финансиране от ЕС и съдържащ правен отказ от отговорност.

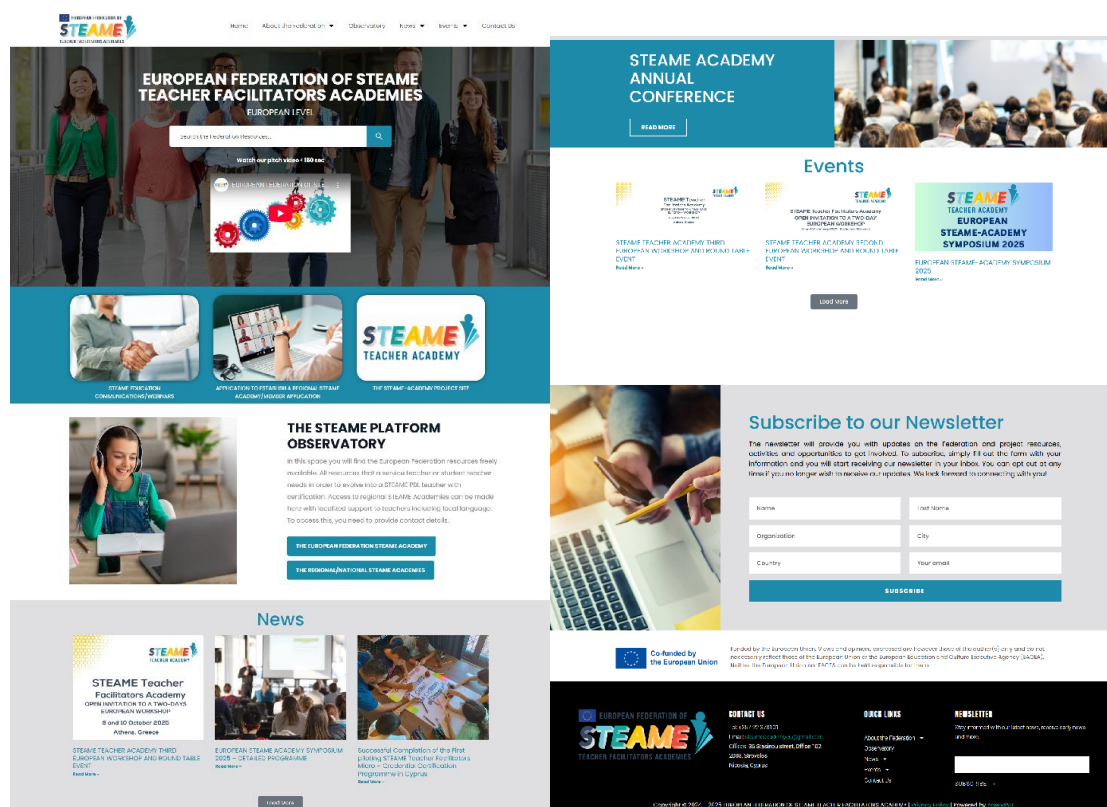
Цел: Да се признае подкрепата на ЕС и да се уточни, че съдържанието отразява единствено възгледите на авторите.

11. Долна част на страницата

Описание: Осигурява връзки за бърза навигация, информация за контакт и допълнителна възможност за абониране.

Цел: Да гарантира, че потребителите могат лесно да намират ключови страници на сайта от всяка точка на платформата и да се свързват с Федерацията за допълнително участие.

Приложение 1 - Достъп до платформата и навигация



4. НАЧАЛНА СТРАНИЦА НА STEAME ОБСЕРВАТОРИЯТА

Тази страница служи като входна точка към STEAME Обсерваторията, основното функционално пространство на платформата. Тя предоставя достъп до инструменти и формуляри за подаване на съдържание, кандидатстване за сертифициране, участие в менторски програми и разглеждане на наличните академии, планове и събития. Разделът е динамичен и е предназначен както за преподаватели, така и за студенти – бъдещи учители.

<https://federation-steame-academies.eu/the-platform-observatory/>

1. Основна горна лента и контекстно меню

Описание: Страницата включва контекстно поднавигационно меню, чрез което потребителите могат да преминават директно към свързани инструменти и функционалности, като:

- Относно проекта
- STEAME сертифициране на учители
- Менторска програма
- STEAME образователни комуникации
- STEAME журнал
- Академии
- Събития
- Новини
- Ресурси на Федерацията
- Полезни връзки и материали

Цел: Да осигури на потребителите бърз и организиран достъп до всички функционални елементи на платформата от едно място. Всяка връзка води към различен ресурс или формуляр за подаване на информация.

2. Основно заглавие: „Обсерваторията на платформата“

Описание: Това удебелено заглавие въвежда потребителя в секцията Обсерватория, представена като функционалното ядро на сайта, където се осъществява реалното образователно сътрудничество.

Цел: Да покаже на потребителите, че това е отправната точка за достъп до всички инструменти – сертифициране, планове, събития, менторство и др.

3. Връзка за директен достъп: STEAME академии на регионално/национално ниво

Описание: Голям бутон със стрелка надясно (→), обозначен с „STEAME академии на регионално/национално ниво“.

Цел: Да насочи потребителите към интерактивна карта или директория на регионалните и националните академии, към които те могат да се присъединят или с които могат да се свържат в зависимост от географския си регион.

4. Формуляр за контакт и достъп (задължителни полета)

Описание: Под основното съдържание на Обсерваторията е разположен формуляр за лични данни, съобразен с изискванията на GDPR, който изисква следната информация:

- Пълно име
- Имейл адрес
- Държава (падащо меню с всички държави по света)
- Град
- Поле за отметка за съгласие съгласно GDPR

Цел: Да позволи на учители, студенти – бъдещи преподаватели, или кандидати за академия да се идентифицират и да установят контакт с платформата, по-специално във връзка с регионални контакти или интерес към сертифициране.

Този раздел служи като входна точка за получаване на персонализирани насоки или за задействане на последваща комуникация по имейл в зависимост от държавата и региона.

5. Броячи в реално време: показатели на проекта

Описание: Ред от броячи показва четири показателя на проекта (към момента със стойност „0“, като вероятно се актуализират динамично):

- Брой държави
- Брой академии
- Брой езици
- Брой планове за обучение и творчество

Всеки показател е отбелязан с „до 15 януари 2025 г.“

Цел: Да осигури прозрачно представяне на напредъка и целите за ангажираност на платформата, като помага на потребителите да разберат обхвата и етапа на развитие на инициативата.

6. Секция за ресурси на Федерацията

Описание: Подробен параграф представя целта на Федерацията — да обучава учители, да популяризира базирано на проекти STEAME обучение и да изгради европейска мрежа от академии. Той подчертава връзките с програмата Еразъм+ и дългосрочната визия за трансформация на образованието.

Цел: Да предостави идеологически и професионален контекст на платформата, показвайки, че тя не е просто инструмент, а стратегическа инициатива за оформяне на бъдещето на STEAME образованието в Европа.

7. Европейски STEAME сертификат за фасилитатор на учители (микровалификация)

Описание: Текстов блок представя пътеката за сертифициране и обяснява как потребителите могат да кандидатстват:

- чрез местна (регионална) академия; или
- ако не съществува, директно чрез Федерацията.

Под него е разположен бутон с надпис „КАНДИДАТСТВАЙТЕ СЕГА“, както и текстът „Изпратете отчета онлайн (ИНСТРУМЕНТ В РАЗРАБОТКА)“.

Цел: Да насочи действащи учители или студенти - бъдещи учители към възможност за официално професионално признаване в рамките на Федерацията.

8. Секции с полезни връзки (три подсекции)

Описание: Връзките към външни ресурси са разделени според типа аудитория:

- Действащи учители – STEAME в училищното образование
- **Студенти – бъдещи учители – ресурси, свързани с висшето образование**
- Ученици – инструменти за развитие на компетентности и учебни видеоклипове

Цел: Да предостави целеви връзки и инструменти за обучение на различните групи потребители на платформата.

9. Преглед на менторската програма

Описание: Два подраздела:

- „Станете STEAME ментор“ — приканва опитни учители да наставяват други учители
- „Намерете STEAME ментор“ — приканва студентите – бъдещи учители, да потърсят менторска подкрепа.

Цел: Да изгради дългосрочна структура за менторска подкрепа, която свързва опита с ученето.

10. Абонамент за информационния бюлетин (долна секция)

Описание: Дублиран формуляр за абонамент за информационния бюлетин на платформата, включващ име, имейл адрес, организация, град и държава.

Цел: Да разшири списъка с контакти на Федерацията и да информира потребителите за актуализации и възможности.

[illegible]

5. ФУНКЦИОНАЛНОСТИ ЗА НОВИНИ И СЪБИТИЯ

1. Раздел „Новини“

Разделът „Новини“ на платформата на Федерацията STEAME е посветен на публикуването на официални актуализации, съобщения и доклади за напредъка от Федерацията и нейните партньори. Ще се използва за:

- информирание на заинтересованите страни за етапите на проекта, проведените събития, новите ресурси и публикации
- представяне на въздействието на дейностите на Федерацията в цяла Европа;
- поддържане на прозрачност и редовен поток от информация към преподаватели, партньори и широката общественост.

Съдържанието в този раздел се подбира и публикува от екипа на Федерацията. Разделът служи като централен архив на всички основни актуализации, свързани с Европейската инициатива за STEAME академии за учители.

2. Раздел „Събития“

Разделът „Събития“ е посветен на популяризирането на предстоящи дейности като:

- семинари, симпозиуми и кръгли маси за сертифициране, организирани от Федерацията;
- ключови европейски или национални събития, свързани със STEAME образованието;
- важни дати, свързани с обучение на учители, участие в академии или разпространение на резултатите от проекта.

Разделът ще помага на потребителите да планират своето участие, да бъдат информирани и да се възползват от възможности за професионално развитие. Събитията се публикуват от Федерацията или в бъдеще ще могат да бъдат добавяни от проверени потребители.

3. Изпращане на събития от общността*

Платформата скоро ще включва функция за подаване на събития от общността, която ще позволява на учители, представители на STEAME академии и други сътрудници да предлагат събития директно чрез платформата. Въпреки че тази функционалност в момента е в процес на разработване, тя е предназначена да насърчава широко участие и да повишава видимостта на местните STEAME инициативи.

Очаква се функцията да:

- позволява споделяне на събития, свързани със STEAME, от страна на общността, като училищни семинари, обучения, организирани от академии, интердисциплинарни състезания и образователни конференции;
- **предоставя стандартизиран формуляр за подаване със задължителни полета, включително:**
 - Заглавие на събитието
 - Описание
 - Дата и час
 - Местоположение (физическо или онлайн)
 - Целева аудитория
 - Информация за контакт с организатора

- **включва процес на модерирание и одобрение:**

- Изпратените събития ще бъдат преглеждани от административния екип на Федерацията, за да се гарантира съответствието им с образователните цели на STEAME.
- Само одобрените събития ще бъдат публикувани и ще се показват в публичния календар на събитията на платформата.
- Сътрудниците могат да бъдат потърсени за разяснения или допълнителна информация преди одобрението.

Тази предстояща функционалност значително ще разшири възможностите на платформата за изграждане на общност, като предостави на преподавателите в цяла Европа канал за популяризиране на собствените им дейности. Тя подкрепя целта на Федерацията STEAME да насърчава видимостта на сътрудничеството, местната ангажираност и иновациите, ръководени от учители, в рамките на по-широката образователна рамка на STEAME.

4. Раздел „Информационен бюлетин“

Разделът „Информационен бюлетин“ съдържа издания на бюлетина на Федерацията, публикувани на редовни интервали и достъпни за изтегляне. Той служи за:

- обобщаване на новини, постижения и предстоящи възможности;
- предоставяне на удобен формат за споделяне на актуализации с по-широки мрежи;
- предоставяне на възможност на заинтересованите страни да бъдат информирани, дори когато не посещават уебсайта често.

Предишните бюлетини се архивират по години и могат да бъдат изтеглени в PDF формат, което позволява на преподавателите и институционалните партньори да проследяват развитието на проекта във времето.

6. ИНСТРУМЕНТИ НА STEAME ОБСЕРВАТОРИЯТА

6.1 STEAME пътека за сертифициране на фасилитатори на учители (в процес на разработване)*

Платформата на Федерацията STEAME е в процес на въвеждане на структурирана пътека за сертифициране на учители, насочена към признаване на способността им да проектират и прилагат интердисциплинарни, базирани на проекти учебни дейности по STEAME. Сертифицирането ще се предоставя под формата на микроквалификация и е съобразено с рамка, основана на компетентности, разработена на европейско равнище.

Цел на сертифицирането

Целта на процеса на сертифициране е да:

- предостави на учителите практически опит в STEAME образованието;
- валидира способността им да създават и прилагат интердисциплинарни планове за обучение и творчество (L&C планове);
- насърчава рефлексивни практики на преподаване и структурирано оценяване;
- подпомага професионалното развитие и признаването на професионалните компетентности на учителите в цяла Европа.

Процесът е специално разработен за действащи учители (които активно преподават) и студенти – бъдещи учители, като насърчава сътрудничеството и партньорското учене.

Структура на процеса на сертифициране

Учителите ще преминат през поетапен процес на подаване на отчет и оценяване, който включва следните основни компоненти:

1. Екипно съвместно създаване

- Кандидатите трябва да сформират екип от най-малко двама преподаватели, които съвместно да създадат план за обучение и творчество по STEAME.
- Всеки кандидат предоставя информация за своя професионален профил (предмет, образователно ниво, институция и др.) като част от първоначалното заявление.

2. Разработване и подаване на план

- Екипът изпраща попълнения план за обучение и творчество (L&C план) във формат PDF.
- За всеки от 14-те STEAME модула, налични на платформата, кандидатите трябва да посочат как елементите на модула са включени в техния L&C план (до 50 думи на модул).

3. Прилагане в класната стая

- L&C планът трябва да бъде приложен с учениците в рамките на поредица от учебни часове.
- Кандидатите посочват броя на включените ученици, както и точните дати на изпълнение.
- Доказателствата за изпълнението се представят под формата на снимки или видеоклипове.

4. Родителски разрешения

- Учителите трябва да потвърдят дали са получили родителско съгласие за всички изпратени материали, съдържащи изображения или видеозаписи.

- Ако такова съгласие не е получено, те трябва да предоставят подписана декларация за поверителност.

5. Обратна връзка и рефлексия

- Обратната връзка от учениците се събира чрез стандартен набор от въпроси, обхващащи четири ключови области:
 - Приложимост на проекта в реалния живот
 - Яснота на методите и опитът от екипната работа
 - Ученическа автономност и поемане на отговорност за ученето
 - Интерес и дългосрочна мотивация за продължаване на обучението по STEAME
- Анонимните необработени данни трябва да бъдат изпратени във формат Excel.
- Всеки учител трябва да направи писмена рефлексия върху получената обратна връзка.

6. Самооценка

- Кандидатите трябва да оценят собственото си представяне спрямо цялостна рамка на компетентностите, която обхваща:
 - Контекстуализация на STEAME проекти
 - Методическо качество и подпомагане на обучението
 - Ученическа автономност и подкрепа за самостоятелното учене
 - Иновации и устойчивост в STEAME преподаването

Всяка област на компетентност включва описание на очакваното представяне на три нива. От кандидатите се изисква да:

- изберат описанието, което най-точно отразява тяхното ниво;
- обосноват писмено своята самооценка (до 50 думи на критерий).

Оценяване и валидиране

След подаването пълният отчет ще бъде прегледан от оценители във Федерацията (или от регионална STEAME академия, когато е приложимо). При оценяването ще бъдат взети предвид:

- качеството на L&C плана;
- доказателствата за прилагане в класната стая;
- обратната връзка и ангажираността на учениците;
- пълнотата и точността на самооценката.

Кандидатите, които отговарят на стандартите, определени в рамката на компетентностите, ще получат STEAME сертификат за фасилитатор на учители, който може да бъде използван и за подпомагане на кариерното развитие или за допълнителна акредитация.

Забележка: Докато цялостната система за онлайн подаване не бъде финализирана, отчетите се обработват ръчно чрез шаблони, достъпни за изтегляне. След завършването на системата процесът ще бъде изцяло интегриран в платформата STEAME.

6.2 Менторска програма – функционалности за ментори и наставлявани

Менторската програма STEAME е структурирана система в рамките на платформата, предназначена да насърчава професионалното развитие чрез свързване на опитни STEAME учители (ментори) с учители в началото на професионалния си път или студенти – бъдещи учители (наставлявани). Системата е напълно интегрирана в платформата и осигурява структуриран процес за регистрация, проверка, одобрение и публикуване на профилите.

Предназначение на системата за наставничество

Програмата има за цел:

- да улеснява предоставянето на практическа подкрепа на бъдещи учители при прилагането на STEAME методологии;
- да насърчава трансфера на знания между поколенията между опитни преподаватели и нови участници;
- да укрепва STEAME общността чрез насърчаване на сътрудничеството и взаимната подкрепа.

Програмата е изградена около две основни роли:

- Ментори – опитни действащи учители или обучители на учители в областта на STEAME;
- Наставлявани – студенти – бъдещи учители, нови преподаватели или действащи учители, които търсят подкрепа за интегрирането на STEAME.

Основна функционалност

Системата се състои от три основни компонента:

1. Страница с ментори

Одобрените ментори са представени в публичен указател на менторите, в който наставляваните могат да разглеждат наличните профили. Всеки профил на ментор включва:

- име, институция/организация и държава;
- области на експертиза или професионален фокус (напр. STEAME дисциплини, теми за наставничество);
- възможност за студентите – бъдещи учители, да заявят интерес към установяване на контакт.

Това насърчава видимостта и достъпността на наставниците в различните региони.

2. Формуляр за регистрация на ментор и одобрение

Учителите, които желаят да станат ментори, попълват специален формуляр за регистрация, в който предоставят:

- пълни данни за контакт и професионална принадлежност;
- образование и преподавателски опит;
- области, в които могат да предоставят менторска подкрепа;
- съгласие за включване в публичния списък на менторите.

Системата включва следните функционалности, които се изпълняват във фонов режим:

- при подаване на формуляра автоматично се изпраща имейл известие до администратора;
- логиката за потвърждение чрез код гарантира сигурността на процеса на подаване;
- след въвеждане на кода динамично се показва съобщение: „Кодът се потвърждава, моля, изчакайте...“;

- данните, свързани с подаването, се съхраняват сигурно в метаполетата на публикацията;
- администраторът може да одобрява или отхвърля профилите на менторите чрез интерфейс за модериране, подобен на този за одобряване на коментари.

3. Формуляр за регистрация на наставяван

Наставяваните се регистрират чрез кратък и структуриран формуляр, който изисква:

- име, имейл адрес, институция (ако има такава) и област/области на интерес;
- по желание – предпочитание за конкретен ментор.

Основни характеристики на процеса:

- **При подаване на формуляра и успешно потвърждаване на имейл адреса чрез код за потвърждение наставяваният се одобрява автоматично.**
- На този етап не е необходима ръчна намеса от администратора на платформата.
- До наставявания се изпраща имейл за потвърждение и заявката му става активна в системата.
- Наставяваният получава парола, която може да използва заедно с имейл адреса си за повторен достъп до страницата, ако при първоначалната регистрация не намери подходящ ментор.

Този опростен процес на достъп насърчава по-широкото участие, като същевременно гарантира отчетност чрез потвърждение на имейл адреса.

При подаване на формуляри както от ментори, така и от наставявани се изпращат имейл известия до администраторите на платформата, което им позволява ефективно да управляват процеса.

Процес на съпоставяне (текуща логика)

След като менторите и наставяваните бъдат регистрирани в системата:

- **наставяваните могат свободно да разглеждат списъка с одобрени ментори и да изберат ментор, който представлява интерес за тях;**
- **наставяваните не получават директно данните за контакт на избрания ментор;**
- вместо това наставяваният използва вградената във платформата форма за контакт, за да изпрати заявка. Съобщението се изпраща до:
 - избрания ментор;
 - административния екип на Федерацията.

Това гарантира, че първоначалният контакт се осъществява сигурно и под надзор.

След това менторът може да реши дали да продължи комуникацията:

- **ако желае да се ангажира, може да отговори директно на наставявания по имейл;**
- менторът не е длъжен да изпраща копие до Федерацията — последващата комуникация е поверителна, което гарантира автономността и поверителността на страните след първоначалния контакт.

Този подход гарантира:

- установяване на контакт по структуриран начин и въз основа на съгласие;
- защита на данните и съответствие с GDPR;

- свобода на менторите сами да решат дали да се ангажират, като същевременно се осигурява професионално организиран първоначален контакт.

Системата поддържа както самостоятелно инициирани от наставяваните контакти, така и съпоставяне с подкрепата на администратора, когато е подходящо, като по този начин осигурява гъвкавост и възможност за разширяване на програмата.

Приложение 3 – Менторска програма – функционалности за ментори и наставявани

Приложение 3.1 - Формуляр за регистрация на ментор


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Mentors Form

Mentor Form

Name (required)
 Surname (required)

Affiliation (name of School, HEI, website) (required)

City of Work (required)
 Country of Work (required)

Language (required)
 English

Email (required)
 Please type Verification Code (required)

[Send Code](#)

⚠️ Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)
 Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (optional)
☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

[Select All](#)

Upload Photo (required)
 Choose file No file chosen
Accepted file types: jpg, png, gif. Max file size: 5 MB.

Upload Bio (Max 500 characters) (required)
0 of 500 max characters

Available for (Choose 1 or more) (required)
☐ Children Inventorship
☐ International Collaboration
☐ Cross-innovation between STEAM disciplines

[Select All](#)

Is your institution/organization/school (Choose more than one if applied) (required)
☐ Member of the European Federation of STEAME Teacher Facilitators Assemblies?
☐ Associate partner of the project STEAME-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12)
☐ Higher education
☐ Training Centre
☐ Other

[Select All](#)

Consent (required)
☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

[Submit](#)

Приложение 3.2 – Менторска програма – функционалности за наставлявани



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

Click the "Send Code" button to receive a verification code via email.
If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAM Teacher Facilitators Academies?
☐ Associate partner of the project STEAM-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12?)
☐ Higher Education
☐ Training Centre
☐ Other

Mentorship Type (Required)

- ☐ Online Mentorship
☐ Internship Collaboration
☐ Co-creation towards STEAM Certification



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Приложение 3.3 – Менторска програма – преглед на менторите

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Gregoris Makrides
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

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Приложение 3.4 – Менторска програма – представяне на профил на ментор

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Gregoris Makrides

First Name: Gregoris
Last Name: Makrides
Affiliation: University of the National Education Commission
City of Work: Krakow
Country of Work: Poland
Language: English
Professional Field: Mathematics and STEAME Education
Bio: Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

6.3 Планове за обучение и творчество

Разделът „Планове за обучение и творчество“ (L&C Plans) на платформата STEAME служи като цифрово хранилище на интердисциплинарни, базирани на проекти планове за уроци, съобразени с образователната рамка STEAME (наука, технологии, инженерство, изкуства, математика и предприемачество). Тези ресурси са разработени от преподаватели, оценени и апробирани в рамките на пилотни дейности и са предназначени да подпомагат прилагането им в класната стая на различни възрастови групи и образователни нива.

Предназначение на раздела

Този раздел има за цел:

- да предоставя готови за използване планове за уроци на преподаватели, работещи в областта на STEAME;
- да насърчава интердисциплинарното мислене чрез представяне на примери, които съчетават различни учебни предмети в цялостни учебни дейности;
- да подпомага учителите, участващи в пътеката за сертифициране по STEAME, при която създаването и прилагането на L&C план е основно изискване;
- да насърчава сътрудничеството, творчеството и иновациите в европейските класни стаи.

Всеки план поставя акцент върху приложимостта в реалния живот, работата в екип, активното учене и прилагането на методологията STEAME чрез структурирано проектиране на учебните дейности.

Основни характеристики и структура

Преподавателите, които имат достъп до раздела „Планове за обучение и творчество“, могат да:

- **разглеждат пълната библиотека от публикувани планове;**
- **филтрират плановете по:**
 - предметни категории (напр. наука, математика, инженерство, изкуства и др.);
 - възрастова група (напр. 10–14, 14–18 години или специални образователни нива);
 - език;
 - автор;
- **преглеждат подробна информация за всеки план, включително:**
 - заглавие и код на плана (напр. „ST53 – Бъдещето на енергията“);
 - целева възрастова група и учебни предмети;
 - име на автора и институция;
 - кратко описание и учебни цели;
 - достъп до пълния план за изтегляне или преглед;
- използват разширени опции за филтриране, за да намират планове, подходящи за конкретни теми, държави или образователни контексти.

Всеки план се рецензира от партньори или се апробира по време на разработването му, което гарантира определено ниво на качество и съответствие с принципите на STEAME преподаването.

Използване при сертифициране и в ежедневиия учебен процес

За учителите, които следват пътеката за сертифициране по STEAME, изборът или създаването на план за обучение и творчество е задължителна стъпка в процеса. Тези планове служат едновременно като:

- шаблон за разработване на интердисциплинарни дейности;
- задължителна част от документацията за сертифициране, свързана с прилагането на плана в класната стая и обратната връзка от учениците.

За всички преподаватели хранилището с L&C планове служи като източник на идеи и вдъхновение, като им помага да интегрират методологията STEAME в реални сценарии в класната стая чрез практически и подходящи за съответната възраст примери.

Приложение 4 – Планове за обучение и творчество



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PS: Pre-service Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

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Learning & Creativity Plans

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Age Levels

Language

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10-14

PS1-Finding science and mathematics in one of Salvador Dalí-EN

10-14

PS2-Discovering Antoni Gaudí-EN

10-14

PS3-Eco multi-use cube from reused water plastic bottles-EN

10-14

PS4-Sound proof panels from reused polyester fabric waste-EN

10-14

PS5-Water filter ecological straw-EN

10-14

PS6-Research AI tools in education-EN

10-14

PS7-Exploring and presenting AI tools within school assignments-EN

10-14

PS8-Escape Room in the classroom-EN

10-14

PS9-Four triangle centres and the Euler Line-EN

10-14

PS10-Programming through gamification-EN

10-14

PS11-Weather in my city-EN

10-14

PS12-Eco-Innovation: Designing a Sustainable Product using Chat GPT-EN

10-14

PS13-Ancient Greek Innovations - Exploring and recreating Technology-EN

10-14

PS14-Sustainable Tourism in Rodos-EN

10-14

PS15-Applications of AI in the real world for improving the quality of life-EN

10-14

PS16-The Spread of Infectious Diseases-EN

14-18

PS17-Handling Data in the context of Climate Change-EN

14-18

PS18-Using Simple Linear programming-EN

14-18

PS19-Sweet Hive Venture-EN

14-18

PS20-Art Studio-EN

1

2

3

4

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6.4 Регионални и национални академии

Разделът за регионални и национални STEAME академии на платформата представя разрастващата се мрежа от локални STEAME академии, създадени в Европа и извън нея. Тези академии работят под координацията и стандартите за качество на Федерацията STEAME и служат като национални или регионални центрове за обучение на учители, наставничество, сертифициране и разпространение на STEAME образователни практики.

Предназначение на раздела

Този раздел има за цел:

- да представя географското разпределение на действащите STEAME академии в различни държави;
- да осигурява видимост на регионалните участници, които подпомагат прилагането на рамката STEAME на местно ниво;
- да насочва учители и институции към най-близката академия, където могат да получат достъп до сертифициране, обучение и подкрепа от общността;
- да насърчава създаването на нови регионални академии в рамките на Федерацията.

Разделът е в съответствие с по-широката визия на проекта STEAME: разширяване на обхвата на образователната трансформация чрез насърчаване на местната ангажираност и адаптиране на подхода в рамките на структурирана европейска рамка.

Основни характеристики и структура

Разделът включва:

6.4.1 Списък на държавите

Списък на държавите, в които функционират или се създават регионални STEAME академии. Всеки запис за държава може да води към допълнителна информация за съответната академия, като например:

- институция домакин;
- лице за контакт;
- работен език;
- действащи програми и местни STEAME дейности.

Към момента сред участващите държави са (например): Белгия, България, Кипър, Гърция, Полша, Португалия, Румъния и Испания. Очаква се списъкът да се разширява с одобряването на нови академии.

6.4.2 Заявление за създаване на нова академия

Организации като училища, центрове за обучение на учители, неправителствени организации и университети, които желаят да създадат нова STEAME академия в своя регион, могат да кандидатстват чрез платформата. Разделът включва:

- **ясен призив за действие: „Създайте регионална STEAME академия“;**
- бутон „Кандидатствай сега“, който води към формуляра за кандидатстване или към процедурата за подаване на заявление.

Заявленията се разглеждат от Федерацията в съответствие с установените насоки и целите на проекта.

6.4.3 Покана за членство във Федерацията

Освен да създадат академия, институциите могат да кандидатстват и за членство във Федерацията. За тази цел е налична отделна опция „Стани член“ със собствен бутон „Кандидатствай сега“.

Резюме на процеса

1. Учителите, които посещават платформата, могат да открият своята национална или регионална академия и да се свържат с нея за подкрепа.
2. Институциите могат да кандидатстват за създаване на нови академии в региони, в които все още няма такива, като по този начин допринасят за разширяването на STEAME екосистемата.
3. Менторството и сертифицирането могат да се осъществяват чрез тези академии, които предоставят местни точки за контакт и подкрепа при изпълнението на програмата.

Приложение 5 - Регионални и национални академии

Приложение 5.1 - Регионални и национални академии

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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

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Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

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Приложение 5.2 - Формуляр за създаване на регионална академия



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

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* Функционалностите, отбелязани със *, ще бъдат въведени в рамките на периода на изпълнение на проекта.

Полезни връзки

- [Преглед на менторите за наставявани \(включително функция за търсене\):](https://federation-steame-academies.eu/display-mentors/) <https://federation-steame-academies.eu/display-mentors/>
- [Формуляр за регистрация на наставяван:](https://federation-steame-academies.eu/mentees-form/) <https://federation-steame-academies.eu/mentees-form/>
- [Формуляр за регистрация на ментор:](https://federation-steame-academies.eu/mentors-form/) <https://federation-steame-academies.eu/mentors-form/>

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Περίοδος υλοποίησης: 1 Ιουνίου 2023 έως 31 Μαΐου 2026

WP4

D4.2 Διαδικτυακό Παρατηρητήριο των European STEAME Teacher Academies: Το εργαλείο

Επικεφαλής εταίρος παραδοτέου: Κυπριακή Μαθηματική Εταιρεία

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Χρηματοδοτείται από την Ευρωπαϊκή Ένωση. Ωστόσο, οι απόψεις και οι γνώμες που διατυπώνονται εκφράζουν αποκλειστικά τις απόψεις των συντακτών και δεν αντιπροσωπεύουν κατ' ανάγκη τις απόψεις της Ευρωπαϊκής Ένωσης ή του Ευρωπαϊκού Εκτελεστικού Οργανισμού Εκπαίδευσης και Πολιτισμού (EACEA). Η Ευρωπαϊκή Ένωση και ο EACEA δεν μπορούν να θεωρηθούν υπεύθυνοι για τις απόψεις αυτές.

Ημερομηνία δημοσίευσης: 27 Μαΐου 2025

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1. ΕΙΣΑΓΩΓΗ

Το Διαδικτυακό Παρατηρητήριο των European STEAME Teacher Facilitators Academies αποτελεί την κεντρική ψηφιακή υποδομή που υποστηρίζει τις συντονισμένες δράσεις των Περιφερειακών και Εθνικών Ακαδημιών STEAME σε ολόκληρη την Ευρώπη. Αποτελεί παραδοτέο του χρηματοδοτούμενου από την ΕΕ έργου *European STEAME Teacher Facilitators Academy*, το οποίο σχεδιάστηκε για την προώθηση της διεπιστημονικής εκπαίδευσης, ενδυναμώνοντας τους εκπαιδευτικούς μέσα από επιμόρφωση, εκπαιδευτικό υλικό, πιστοποίηση και δομές συνεργασίας που θεμελιώνονται στη μεθοδολογία STEAME — Science, Technology, Engineering, Arts, Mathematics and Entrepreneurship (Επιστήμη, Τεχνολογία, Μηχανική, Τέχνες, Μαθηματικά και Επιχειρηματικότητα).

Το παρόν εγχειρίδιο παρουσιάζει αναλυτικά την πλατφόρμα που βρίσκεται στη διεύθυνση: <https://federation-steame-academies.eu>

Στόχος του είναι να καθοδηγήσει εκπαιδευτικούς, διαχειριστές Ακαδημιών STEAME, θεσμικούς συντονιστές STEAME και εταίρους του έργου σε όλες τις λειτουργίες της πλατφόρμας. Επεξηγεί πώς μπορείτε να:

- Πλοηγηθείτε στις δημόσιες περιοχές και στις περιοχές μελών του ιστότοπου
- Εγγράψετε νέες Ακαδημίες STEAME
- Αποκτήσετε πρόσβαση και να υποβάλετε Σχέδια Μάθησης και Δημιουργικότητας STEAME
- Υποβάλετε αίτηση και να διαχειριστείτε διαδρομές πιστοποίησης εκπαιδευτικών
- Συμμετάσχετε σε προγράμματα καθοδήγησης (mentoring)
- Υποβάλετε εκδηλώσεις και να μοιραστείτε ενημερώσεις με την ευρύτερη κοινότητα STEAME
- Διασφαλίσετε τη συμμόρφωση με τον GDPR σε όλες τις υποβολές

Το Παρατηρητήριο λειτουργεί τόσο ως αποθετήριο υλικού όσο και ως συνεργατικό οικοσύστημα. Τα εργαλεία του επιτρέπουν την προβολή και τη διασύνδεση μεταξύ φορέων, ενώ παράλληλα προσφέρουν στους εκπαιδευτικούς δομημένες ευκαιρίες συμμετοχής μέσω τυποποιημένων εντύπων, διαδραστικών καταλόγων και διαδρομών επαγγελματικής ανάπτυξης.

Το εγχειρίδιο είναι οργανωμένο ανά ενότητα της πλατφόρμας και περιλαμβάνει:

- Δομή πλοήγησης
- Σκοπό και λειτουργικότητα κάθε ενότητας
- Στιγμιότυπα οθόνης για οπτική αναφορά
- Οδηγίες βήμα προς βήμα για όλα τα διαδραστικά έντυπα
- Πληροφορίες εταίρων και επικοινωνίας

2. ΠΡΟΣΒΑΣΗ ΣΤΗΝ ΠΛΑΤΦΟΡΜΑ & ΠΛΟΗΓΗΣΗ

Το Παρατηρητήριο STEAME είναι προσβάσιμο στη διεύθυνση: <https://federation-steame-academies.eu>

Η πλατφόρμα είναι δημόσια διαθέσιμη και βελτιστοποιημένη για σύγχρονους φυλλομετρητές, όπως Google Chrome, Mozilla Firefox, Microsoft Edge και Safari.

Κύριο μενού πλοήγησης

Το κύριο μενού πλοήγησης βρίσκεται στο επάνω μέρος κάθε σελίδας και επιτρέπει στους χρήστες να έχουν εύκολη πρόσβαση σε όλες τις δημόσιες και διαδραστικές ενότητες. Διατίθενται τα ακόλουθα στοιχεία μενού:

1. **Home** – Η αρχική σελίδα της πλατφόρμας, η οποία αναδεικνύει την αποστολή, τα νέα και τις βασικές δράσεις της Ομοσπονδίας STEAME.
2. **Federation** – Αναλυτική ενότητα που περιγράφει τη δομή, το όραμα και τα βασικά στοιχεία της Ομοσπονδίας Ακαδημιών STEAME.
3. **STEAME Observatory** – Ο κεντρικός κόμβος, με συνδέσμους προς όλες τις βασικές λειτουργίες της πλατφόρμας, όπως:
 - Περιφερειακές/Εθνικές Ακαδημίες
 - Σχέδια Μάθησης & Δημιουργικότητας
 - Διαδρομές Πιστοποίησης Εκπαιδευτικών
 - Πρόγραμμα Καθοδήγησης (Mentoring)
 - Υποβολή της Ακαδημίας σας
 - Υποβολή της Εκδήλωσής σας
4. **News & Events** – Κατάλογος τρεχουσών ανακοινώσεων, δημοσιεύσεων και προσεχών δραστηριοτήτων.
5. **Contact** – Απευθείας σύνδεσμος προς το έντυπο επικοινωνίας και συγκατάθεσης GDPR της πλατφόρμας.

Οι χρήστες μπορούν επίσης να αποκτήσουν πρόσβαση σε υποενότητες μέσω αναπτυσσόμενων μενού, όπου αυτά είναι διαθέσιμα.

Πρόσβαση στις υποβολές

Παρότι το μεγαλύτερο μέρος της πλατφόρμας είναι δημόσιο, ορισμένες λειτουργίες υποβολής (π.χ. εγγραφή Ακαδημίας, υποβολή εκδήλωσης ή ανάρτηση διαδρομής πιστοποίησης) απαιτούν από τους χρήστες να συμπληρώσουν ηλεκτρονικά έντυπα. Η πρόσβαση σε αυτά γίνεται μέσω συνδέσμων στις σχετικές σελίδες της ενότητας *STEAME Observatory*.

Προσβασιμότητα

Ο ιστότοπος είναι αποκρίσιμος (responsive) και μπορεί να προβληθεί σε υπολογιστές, tablet και smartphone. Οι παράμετροι προσβασιμότητας περιλαμβάνουν:

- Απλό περιβάλλον με σαφείς επικεφαλίδες
- Τυποποιημένη διάταξη εντύπων
- Βελτιστοποιημένες ταχύτητες φόρτωσης για όλους τους τύπους σύνδεσης

3. ΕΠΙΣΚΟΠΗΣΗ ΤΗΣ ΑΡΧΙΚΗΣ ΣΕΛΙΔΑΣ ΤΗΣ ΟΜΟΣΠΟΝΔΙΑΣ

<https://federation-steame-academies.eu>

1. Κύρια κεφαλίδα και μενού πλοήγησης

Περιγραφή:

Στο επάνω μέρος της σελίδας βρίσκεται το κύριο μενού πλοήγησης της πλατφόρμας, με συνδέσμους προς όλες τις βασικές περιοχές, όπως:

- *Home*
- *About the Federation* (με υποσελίδες: Profile, Statute, Management Board, Members)
- *Observatory*
- *News & Newsletters*
- *Events & Submissions*
- *Contact*

Σκοπός:

Να παρέχει στους χρήστες σταθερή και διαρκώς διαθέσιμη πρόσβαση στο σύνολο της δομής της πλατφόρμας.

2. Πλαίσιο τίτλου της πλατφόρμας

Περιγραφή:

Προβάλλει με ευδιάκριτο τρόπο την ονομασία «European Federation of STEAME Teacher Facilitators Academies», μαζί με υπότιτλο που δηλώνει την **ευρωπαϊκή** εμβέλεια του έργου.

Σκοπός:

Να καθιστά αμέσως σαφές ότι πρόκειται για επίσημη πρωτοβουλία που υποστηρίζεται από την ΕΕ και εστιάζει στην εκπαίδευση STEAME.

3. Ενότητα βίντεο παρουσίασης

Περιγραφή:

Ένα πλαίσιο προτροπής καλεί τους χρήστες να παρακολουθήσουν ένα σύντομο προωθητικό βίντεο (διάρκειας κάτω των 150 δευτερολέπτων) που παρουσιάζει τον σκοπό και το όραμα της Ομοσπονδίας.

Σκοπός:

Να προσφέρει μια γρήγορη και ελκυστική εισαγωγή στο έργο για τους νέους επισκέπτες — ιδανική για χρήση σε παρουσιάσεις, δράσεις προβολής ή κατά την πρώτη επαφή των εκπαιδευτικών με το έργο.

4. Κουμπιά γρήγορης πρόσβασης / Βασικές περιοχές δράσης

Περιγραφή:

Μια σειρά από μεγάλα πλαίσια με δυνατότητα επιλογής οδηγούν απευθείας στα βασικά εργαλεία της πλατφόρμας:

- STEAME Education Communications & Webinars
- Αίτηση για την ίδρυση Περιφερειακής Ακαδημίας STEAME
- Σύνδεσμος προς τον επίσημο ιστότοπο του έργου STEAME-ACADEMY

Σκοπός:

Να κατευθύνει άμεσα τους χρήστες σε ενέργειες υψηλής προτεραιότητας και σε εξωτερικούς πόρους που υποστηρίζουν τη δημιουργία τοπικών Ακαδημιών, την επιμόρφωση και την προβολή.

5. Πλαίσιο προεπισκόπησης του Παρατηρητηρίου της Πλατφόρμας STEAME

Περιγραφή:

Μια σύντομη ενημερωτική παράγραφος με τίτλο «The STEAME Platform Observatory» παρουσιάζει τα βασικά χαρακτηριστικά της πλατφόρμας του Παρατηρητηρίου, όπως:

- Ελεύθερα διαθέσιμο υλικό
- Υποστήριξη πιστοποίησης για εκπαιδευτικούς
- Πρόσβαση σε περιφερειακές Ακαδημίες
- Καθοδήγηση (mentoring) προσαρμοσμένη γλωσσικά

Σκοπός:

Να προϊδεάσει για τη λειτουργικότητα της ενότητας του Παρατηρητηρίου και να ενθαρρύνει τους εκπαιδευτικούς να εξερευνήσουν εργαλεία σχετικά με την ανάπτυξη και τη συνεργασία τους.

6. Σημεία ενδιαφέροντος της Ομοσπονδίας: Σύνδεσμοι πρόσβασης στις Ακαδημίες

Περιγραφή:

Δύο σύνδεσμοι κειμένου παρέχουν πρόσβαση σε:

- The European Federation STEAME Academy
- Το δίκτυο των Περιφερειακών/Εθνικών Ακαδημιών STEAME

Σκοπός:

Να καθοδηγήσει εκπαιδευτικούς ή εκπροσώπους φορέων ώστε να εντοπίσουν Ακαδημίες ανά περιοχή και να συνδεθούν με την τοπική υποστήριξη.

7. Πλαίσιο προεπισκόπησης νέων

Περιγραφή:

Εμφανίζει τις τρεις πιο πρόσφατες καταχωρίσεις νέων, με τους τίτλους και τους συνδέσμούς τους

Σκοπός:

Να κοινοποιεί ενημερώσεις και να διατηρεί τη διαφάνεια σχετικά με τις δραστηριότητες, τα ορόσημα και τη συμμετοχή της κοινότητας σε ολόκληρη την Ευρώπη.

8. Πλαίσιο προεπισκόπησης εκδηλώσεων

Περιγραφή:

Προβάλλει τις πιο πρόσφατες προσεχείς ή παρελθούσες εκδηλώσεις που σχετίζονται με την Ομοσπονδία και το δίκτυο των Ακαδημιών STEAME.

Σκοπός:

Να κρατά τους ενδιαφερόμενους φορείς ενημέρους και ενεργά συνδεδεμένους με το ημερολόγιο εκδηλώσεων, εργαστηρίων και συνεδρίων του έργου.

9. Έντυπο εγγραφής στο ενημερωτικό δελτίο

Περιγραφή:

Έντυπο εγγραφής με διεύθυνση ηλεκτρονικού ταχυδρομείου, που επιτρέπει στους επισκέπτες να λαμβάνουν τακτικές ενημερώσεις για το έργο.

Σκοπός:

Να δημιουργήσει βάση επαφών και δίαυλο επικοινωνίας για την κοινοποίηση υλικού, ευκαιριών και ανακοινώσεων.

10. Δήλωση αποποίησης ευθύνης για τη χρηματοδότηση από την ΕΕ

Περιγραφή:

Τυποποιημένο κείμενο που επεξηγεί το καθεστώς χρηματοδότησης από την ΕΕ και τη σχετική νομική αποποίηση ευθύνης.

Σκοπός:

Να αναγνωρίζει τη στήριξη της ΕΕ και να διευκρινίζει ότι το περιεχόμενο εκφράζει αποκλειστικά τις απόψεις των συντακτών.

11. Υποσέλιδο

Περιγραφή:

Παρέχει συνδέσμους γρήγορης πλοήγησης, στοιχεία επικοινωνίας και μια τελική προτροπή εγγραφής στο ενημερωτικό δελτίο.

Σκοπός:

Να διασφαλίζει ότι οι χρήστες μπορούν να εντοπίζουν εύκολα τις βασικές σελίδες του ιστότοπου από οπουδήποτε και να έρχονται σε επαφή με την Ομοσπονδία για περαιτέρω συμμετοχή.

Παράρτημα 1 – Πρόσβαση στην πλατφόρμα & πλοήγηση

The screenshot displays the homepage of the STEAME Academy website. At the top, there is a navigation bar with links: Home, About the Federation, Observatory, News, Events, and Contact Us. Below the navigation bar is a large hero section titled "EUROPEAN FEDERATION OF STEAME TEACHER FACILITATORS ACADEMIES" with a search bar and a "Search the Federation resources" button. To the right of the hero section is a "STEAME ACADEMY ANNUAL CONFERENCE" banner with a "READ MORE" button. Below the hero section are three featured images: "STEAME EDUCATION COOPERATION STRATEGIES", "APPLICATIONS TO JOIN THE STEAME ACADEMY", and "THE STEAME ACADEMY PROJECT". To the right of these images is a "Events" section listing three upcoming events: "STEAME Teacher Facilitators Academy (TFAC) 2023", "STEAME Teacher Facilitators Academy (TFAC) 2024", and "STEAME Teacher Facilitators Academy (TFAC) 2025". Below the events section is a "Subscribe to our Newsletter" form with fields for Name, Last Name, Organization, City, Country, and Your email, and a "SUBSCRIBE" button. At the bottom of the page is a "News" section with three articles: "STEAME Teacher Facilitators Academy (TFAC) 2023", "STEAME Teacher Facilitators Academy (TFAC) 2024", and "STEAME Teacher Facilitators Academy (TFAC) 2025". The footer contains the "Co-funded by the European Union" logo, contact information, quick links, and a newsletter sign-up form.

4. ΑΡΧΙΚΗ ΣΕΛΙΔΑ ΤΟΥ ΠΑΡΑΤΗΡΗΤΗΡΙΟΥ STEAME

Η σελίδα αυτή λειτουργεί ως **πύλη εισόδου στο Παρατηρητήριο STEAME**, τον βασικό λειτουργικό χώρο της πλατφόρμας. Παρέχει πρόσβαση σε εργαλεία και έντυπα για την υποβολή περιεχομένου, την αίτηση πιστοποίησης, τη συμμετοχή σε δράσεις καθοδήγησης και την περιήγηση στις διαθέσιμες Ακαδημίες, στα σχέδια και στις εκδηλώσεις. Η ενότητα είναι δυναμική και απευθύνεται τόσο σε ενεργεία εκπαιδευτικούς όσο και σε φοιτητές-εκπαιδευτικούς. <https://federation-steame-academies.eu/the-platform-observatory/>

1. Επάνω κεφαλίδα και μενού περιβάλλοντος

Περιγραφή:

Η σελίδα περιλαμβάνει περιοχή δευτερεύουσας πλοήγησης, μέσω της οποίας οι χρήστες μπορούν να μεταβούν σε σχετικά εργαλεία και λειτουργίες, όπως:

- About the Project
- STEAME Teacher Certification
- Mentoring Programme
- STEAME Education Communications
- STEAME Journal
- Academies
- Events
- News
- The Federation Resources
- Useful Links and Material

Σκοπός:

Να προσφέρει στους χρήστες γρήγορη και οργανωμένη πρόσβαση σε όλα τα λειτουργικά στοιχεία της πλατφόρμας από ένα σημείο. Κάθε σύνδεσμος οδηγεί σε διαφορετικό υλικό ή έντυπο υποβολής.

2. Κύριος τίτλος: «The Platform Observatory»

Περιγραφή:

Η έντονη αυτή επικεφαλίδα εισάγει τον χρήστη στην ενότητα του Παρατηρητηρίου, η οποία παρουσιάζεται ως ο λειτουργικός πυρήνας του ιστότοπου, όπου συντελείται η ουσιαστική εκπαιδευτική συνεργασία.

Σκοπός:

Να υποδείξει στους χρήστες ότι αυτό είναι το σημείο εκκίνησης για την εξερεύνηση όλων των εργαλείων — πιστοποίηση, σχέδια, εκδηλώσεις, καθοδήγηση και άλλα.

3. Σύνδεσμος άμεσης πρόσβασης: Ακαδημίες STEAME περιφερειακού/εθνικού επιπέδου

Περιγραφή:

Ένα μεγάλο κουμπί με βέλος προς τα δεξιά (→) με την ένδειξη «*Regional/National Level STEAME Academies*».

Σκοπός:

Να κατευθύνει τους χρήστες στον διαδραστικό χάρτη ή κατάλογο των περιφερειακών και εθνικών Ακαδημιών στις οποίες μπορούν να συμμετάσχουν ή με τις οποίες μπορούν να επικοινωνήσουν, ανάλογα με τη γεωγραφική τους περιοχή.

4. Έντυπο επικοινωνίας & πρόσβασης (Υποχρεωτικά πεδία)

Περιγραφή:

Κάτω από το κύριο περιεχόμενο του Παρατηρητηρίου υπάρχει ένα **έντυπο προσωπικών δεδομένων** σύμφωνα με τον GDPR, το οποίο ζητά τις ακόλουθες υποχρεωτικές πληροφορίες:

- Ονοματεπώνυμο
- Διεύθυνση ηλεκτρονικού ταχυδρομείου
- Χώρα (αναπτυσσόμενη λίστα με όλες τις χώρες του κόσμου)
- Πόλη
- Πλαίσιο επιλογής συγκατάθεσης GDPR

Σκοπός:

Να επιτρέπει σε εκπαιδευτικούς, φοιτητές-εκπαιδευτικούς ή υποψήφιους αιτούντες Ακαδημιών να δηλώνουν τα στοιχεία τους και να ξεκινούν επικοινωνία με την πλατφόρμα, ιδίως για περιφερειακές διασυνδέσεις ή για ενδιαφέρον σχετικά με την πιστοποίηση.

Η ενότητα αυτή λειτουργεί ως πύλη για την ενεργοποίηση εξατομικευμένης καθοδήγησης ή για την αποστολή μηνυμάτων παρακολούθησης μέσω email, με βάση τη χώρα και την περιοχή.

5. Ζωντανοί μετρητές: Δείκτες του έργου

Περιγραφή:

Μια σειρά μετρητών εμφανίζει τέσσερις δείκτες του έργου (επί του παρόντος με τιμές «0», πιθανώς δυναμικές):

- Αριθμός χωρών
- Αριθμός Ακαδημιών
- Αριθμός γλωσσών
- Αριθμός Σχεδίων Μάθησης & Δημιουργικότητας

Καθένας φέρει την ένδειξη «by 15 January 2025».

Σκοπός:

Να αποτυπώνει με διαφάνεια την πρόοδο και τους στόχους συμμετοχής της πλατφόρμας — βοηθώντας τους χρήστες να κατανοήσουν την εμβέλεια και το στάδιο ανάπτυξης της πρωτοβουλίας.

6. Ενότητα «The Federation Resources»

Περιγραφή:

Μια αναλυτική παράγραφος επεξηγεί τον σκοπό της Ομοσπονδίας — να **επιμορφώνει εκπαιδευτικούς**, να προωθεί τη **μάθηση STEAME μέσω έργων (project-based)** και να οικοδομήσει ένα **ευρωπαϊκό δίκτυο Ακαδημιών**. Αναδεικνύει τη σύνδεση με το Erasmus+ και το μακροπρόθεσμο όραμα του εκπαιδευτικού μετασχηματισμού.

Σκοπός:

Να προσδώσει ιδεολογικό και επαγγελματικό πλαίσιο στην πλατφόρμα — καταδεικνύοντας ότι δεν πρόκειται απλώς για ένα εργαλείο, αλλά για μια στρατηγική πρωτοβουλία που διαμορφώνει το μέλλον της εκπαίδευσης STEAME στην Ευρώπη.

7. Ευρωπαϊκή Πιστοποίηση STEAME Teacher Facilitator (Micro-Credential)

Περιγραφή:

Ένα πλαίσιο κειμένου παρουσιάζει τη Διαδρομή Πιστοποίησης και επεξηγεί πώς μπορούν οι χρήστες να υποβάλουν αίτηση:

- Είτε μέσω τοπικής (περιφερειακής) Ακαδημίας

- Είτε, εάν δεν υπάρχει τέτοια, απευθείας μέσω της Ομοσπονδίας

Ακολουθεί κουμπί προτροπής με την ένδειξη **«APPLY NOW»**, με αναφορά στην επιλογή «Submit the report online (TOOL UNDER CONSTRUCTION)».

Σκοπός:

Να κατευθύνει εν ενεργεία εκπαιδευτικούς ή υποψήφιους εκπαιδευτικούς προς την επίσημη επαγγελματική αναγνώριση στο πλαίσιο της Ομοσπονδίας.

8. Ενότητες χρήσιμων συνδέσμων (Τρεις υποενότητες)

Περιγραφή:

Διαχωρίζονται ανά τύπο κοινού και η καθεμία παραπέμπει σε εξωτερικό υλικό:

- **School Service Teachers** – Το STEAME στη σχολική εκπαίδευση
- **Student Teachers – Higher Education** – Σύνδεσμοι ειδικά για την τριτοβάθμια εκπαίδευση
- **School Students** – Εργαλεία ικανοτήτων, εκπαιδευτικά βίντεο

Σκοπός:

Να παρέχει στοχευμένους συνδέσμους και μαθησιακά εργαλεία για τις διαφορετικές ομάδες κοινού που χρησιμοποιούν την πλατφόρμα.

9. Επισκόπηση του Προγράμματος Καθοδήγησης (Mentoring)

Περιγραφή:

Δύο υποενότητες

- *«Become a STEAME Mentor»* — πρόσκληση προς έμπειρους εκπαιδευτικούς να αναλάβουν την καθοδήγηση φοιτητών-εκπαιδευτικών
- *«Find a STEAME Mentor for Me»* — πρόσκληση προς φοιτητές-εκπαιδευτικούς να ζητήσουν υποστήριξη καθοδήγησης

Σκοπός:

Να οικοδομήσει μια μακροπρόθεσμη και υποστηρικτική δομή καθοδήγησης, που συνδέει την εμπειρία με τη μάθηση.

10. Εγγραφή στο ενημερωτικό δελτίο (Κάτω ενότητα)

Περιγραφή:

Αντίγραφο του γενικού εντύπου εγγραφής στο ενημερωτικό δελτίο της πλατφόρμας: Όνομα, Email, Φορέας, Πόλη, Χώρα.

Σκοπός:

Να διευρύνει τη λίστα επικοινωνίας της Ομοσπονδίας και να κρατά τους χρήστες ενημέρους για εξελίξεις και ευκαιρίες.

Παράρτημα 2 – Αρχική σελίδα του Παρατηρητηρίου STEAME



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The Federation Resources

The STEAME Teacher Academy is a European initiative that aims to provide a platform for teachers to share their experiences and resources. It is a place where teachers can find inspiration and support for their practice. The Academy is a place where teachers can find inspiration and support for their practice. The Academy is a place where teachers can find inspiration and support for their practice.

[MORE INFO](#)

Subscribe to our Newsletter

The newsletter will provide you with updates on the Observatory and project materials, activities and opportunities to get involved. To subscribe, simply fill out the form with your information and you will start receiving our newsletter in your inbox. You can opt out at any time if you no longer wish to receive our updates. We look forward to connecting with you.

[SUBSCRIBE](#)

EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION

The ETEF 2020 Teacher Facilitator Certification is the first of its kind in the world and is a recognition of excellence for teachers who have completed the STEAME Teacher Academy. The certification is a recognition of excellence for teachers who have completed the STEAME Teacher Academy. The certification is a recognition of excellence for teachers who have completed the STEAME Teacher Academy.

[APPLY NOW](#) [SUBMIT YOUR PORTFOLIO ONLINE \(PENDING REVIEW\)](#)

Useful Links

SCHOOL SERVICE TEACHERS

For the teachers who work in schools, the STEAME Teacher Academy provides a platform for them to share their experiences and resources. It is a place where teachers can find inspiration and support for their practice. The Academy is a place where teachers can find inspiration and support for their practice.

STUDENT TEACHERS HIGHER EDUCATION

For the students who are studying in higher education, the STEAME Teacher Academy provides a platform for them to share their experiences and resources. It is a place where students can find inspiration and support for their practice. The Academy is a place where students can find inspiration and support for their practice.

SCHOOL STUDENTS

For the students who are studying in schools, the STEAME Teacher Academy provides a platform for them to share their experiences and resources. It is a place where students can find inspiration and support for their practice. The Academy is a place where students can find inspiration and support for their practice.

Mentoring Programme

Become a STEAME Mentor

Get involved in the mentoring programme and support a teacher in their journey. The STEAME Teacher Academy provides a platform for teachers to share their experiences and resources. It is a place where teachers can find inspiration and support for their practice. The Academy is a place where teachers can find inspiration and support for their practice.

[BECOME A MENTOR](#)

Find a STEAME Mentor for me

Get involved in the mentoring programme and support a teacher in their journey. The STEAME Teacher Academy provides a platform for teachers to share their experiences and resources. It is a place where teachers can find inspiration and support for their practice. The Academy is a place where teachers can find inspiration and support for their practice.

[FIND A MENTOR](#)

STEAME Teacher Academy

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5. ΛΕΙΤΟΥΡΓΙΚΟΤΗΤΑ ΝΕΩΝ & ΕΚΔΗΛΩΣΕΩΝ

1. Ενότητα Νέων

Η ενότητα **News** της πλατφόρμας της Ομοσπονδίας STEAME είναι αφιερωμένη στη δημοσίευση επίσημων ενημερώσεων, ανακοινώσεων και εκθέσεων προόδου από την Ομοσπονδία και τους εταίρους της. Θα χρησιμοποιείται για να:

- Ενημερώνει τους ενδιαφερόμενους φορείς για τα ορόσημα του έργου, τις εκδηλώσεις που έχουν ολοκληρωθεί, το νέο υλικό και τις δημοσιεύσεις
- Αναδεικνύει τον αντίκτυπο των δραστηριοτήτων της Ομοσπονδίας σε ολόκληρη την Ευρώπη
- Διατηρεί τη διαφάνεια και μια τακτική ροή επικοινωνίας με εκπαιδευτικούς, εταίρους και το ευρύτερο κοινό

Το περιεχόμενο της ενότητας επιμελείται και δημοσιεύει η ομάδα της Ομοσπονδίας. Λειτουργεί ως κεντρικό αρχείο για όλες τις σημαντικές ενημερώσεις που αφορούν την πρωτοβουλία των European STEAME Teacher Academies.

2. Ενότητα Εκδηλώσεων

Η ενότητα **Events** εστιάζει στην προβολή προσεχών δραστηριοτήτων, όπως:

- Εργαστήρια, συμπόσια και στρογγυλές τράπεζες πιστοποίησης που διοργανώνει η Ομοσπονδία
- Σημαντικές ευρωπαϊκές ή εθνικές συναντήσεις που συνδέονται με την εκπαίδευση STEAME
- Σημαντικές ημερομηνίες για την επιμόρφωση εκπαιδευτικών, τη συμμετοχή σε Ακαδημίες ή τη διάχυση του έργου

Η ενότητα βοηθά τους χρήστες να προγραμματίζουν τη συμμετοχή τους, να παραμένουν ενήμεροι και να συνδέονται με ευκαιρίες επαγγελματικής ανάπτυξης. Οι εκδηλώσεις δημοσιεύονται είτε από την Ομοσπονδία είτε, μελλοντικά, μέσω συνεισφορών από πιστοποιημένους χρήστες.

3. Υποβολή εκδηλώσεων από την κοινότητα*

Η πλατφόρμα θα περιλαμβάνει σύντομα λειτουργία **υποβολής εκδηλώσεων από την κοινότητα (Community Event Submission)**, η οποία θα επιτρέπει σε εκπαιδευτικούς, εκπροσώπους Ακαδημιών STEAME και άλλους συντελεστές να προτείνουν εκδηλώσεις απευθείας μέσω της πλατφόρμας. Παρότι η λειτουργία αυτή βρίσκεται επί του παρόντος **υπό κατασκευή**, έχει σχεδιαστεί ώστε να στηρίζει τη συμμετοχή από τη βάση και να ενισχύει την προβολή των τοπικών πρωτοβουλιών STEAME.

Η λειτουργία αναμένεται να:

- **Επιτρέπει τον διαμοιρασμό εκδηλώσεων από τη βάση**, όπως σχολικά εργαστήρια, επιμορφώσεις που διοργανώνονται από Ακαδημίες, διεπιστημονικοί διαγωνισμοί και εκπαιδευτικά συνέδρια
- **Παρέχει τυποποιημένο έντυπο υποβολής** με υποχρεωτικά πεδία, όπως:
 - Τίτλος εκδήλωσης
 - Περιγραφή
 - Ημερομηνία και ώρα
 - Τόπος (με φυσική παρουσία ή διαδικτυακά)
 - Κοινό-στόχος
 - Στοιχεία επικοινωνίας διοργανωτή

- **Ενσωματώνει διαδικασία ελέγχου και έγκρισης:**
 - ο Οι εκδηλώσεις που υποβάλλονται θα ελέγχονται από τη διοικητική ομάδα της Ομοσπονδίας, ώστε να διασφαλίζεται η συνάφειά τους με τους εκπαιδευτικούς στόχους STEAME
 - ο Μόνο οι εγκεκριμένες εκδηλώσεις θα δημοσιεύονται και θα εμφανίζονται στο δημόσιο ημερολόγιο εκδηλώσεων της πλατφόρμας
 - ο Ενδέχεται να ζητηθούν από τους συντελεστές διευκρινίσεις ή πρόσθετες πληροφορίες πριν από την έγκριση

Η επικείμενη αυτή λειτουργία θα διευρύνει σημαντικά τις δυνατότητες δικτύωσης της πλατφόρμας, δίνοντας στους εκπαιδευτικούς σε ολόκληρη την Ευρώπη έναν δίαυλο προβολής των δικών τους δραστηριοτήτων. Υποστηρίζει τον στόχο της Ομοσπονδίας STEAME για ενίσχυση της συνεργατικής προβολής, της τοπικής συμμετοχής και της καινοτομίας με πρωτοβουλία των εκπαιδευτικών, στο ευρύτερο πλαίσιο της εκπαίδευσης STEAME.

4. Ενότητα Ενημερωτικού Δελτίου

Η ενότητα **Newsletter** φιλοξενεί τις εκδόσεις των ενημερωτικών δελτίων της Ομοσπονδίας, οι οποίες δημοσιεύονται σε τακτά διαστήματα και διατίθενται για λήψη. Σκοπός της είναι να:

- Συνοψίζει νέα, επιτεύγματα και προσεχείς ευκαιρίες
- Παρέχει μια εύχρηστη μορφή για την κοινοποίηση ενημερώσεων σε ευρύτερα δίκτυα
- Επιτρέπει στους ενδιαφερόμενους φορείς να παραμένουν ενήμεροι, ακόμη και αν δεν επισκέπτονται συχνά τον ιστότοπο

Τα παλαιότερα ενημερωτικά δελτία αρχειοθετούνται ανά έτος και μπορούν να ληφθούν σε μορφή PDF, επιτρέποντας σε εκπαιδευτικούς και θεσμικούς εταίρους να παρακολουθούν την εξέλιξη του έργου στον χρόνο.

6. ΕΡΓΑΛΕΙΑ ΤΟΥ ΠΑΡΑΤΗΡΗΤΗΡΙΟΥ STEAME

6.1 Διαδρομή Πιστοποίησης STEAME Teacher Facilitator (Υπό ανάπτυξη)*

Η πλατφόρμα της Ομοσπονδίας STEAME βρίσκεται στη διαδικασία έναρξης μιας δομημένης **διαδρομής πιστοποίησης για εκπαιδευτικούς**, με στόχο την αναγνώριση της ικανότητάς τους να σχεδιάζουν και να υλοποιούν διεπιστημονικές μαθησιακές δραστηριότητες STEAME με βάση έργα (project-based). Η πιστοποίηση θα απονέμεται σε μορφή **micro-credential** και ευθυγραμμίζεται με πλαίσιο ικανοτήτων που αναπτύχθηκε σε ευρωπαϊκό επίπεδο.

Σκοπός της πιστοποίησης

Σκοπός της διαδικασίας πιστοποίησης είναι να:

- Εφοδιάσει τους εκπαιδευτικούς με πρακτική εμπειρία στην εκπαίδευση STEAME
- Πιστοποιήσει την ικανότητά τους να δημιουργούν και να εφαρμόζουν διεπιστημονικά Σχέδια Μάθησης και Δημιουργικότητας (L&C Plans)
- Προωθήσει αναστοχαστικές διδακτικές πρακτικές και δομημένη αξιολόγηση
- Υποστηρίξει την επαγγελματική ανάπτυξη και αναγνώριση των εκπαιδευτικών σε ολόκληρη την Ευρώπη

Η διαδικασία απευθύνεται ιδιαίτερα σε **εν ενεργεία εκπαιδευτικούς** (όσους διδάσκουν ενεργά) και σε **φοιτητές-εκπαιδευτικούς** (μελλοντικούς εκπαιδευτικούς), προωθώντας τη συνεργασία και τη μάθηση μεταξύ ομοτίμων.

Δομή της διαδικασίας πιστοποίησης

Οι εκπαιδευτικοί ακολουθούν μια διαδικασία αναφοράς και αξιολόγησης βήμα προς βήμα, η οποία περιλαμβάνει τα ακόλουθα βασικά στοιχεία:

1. Συνδημιουργία σε ομάδα

- Οι αιτούντες πρέπει να σχηματίσουν ομάδα τουλάχιστον δύο εκπαιδευτικών για τον από κοινού σχεδιασμό ενός Σχεδίου Μάθησης και Δημιουργικότητας STEAME.
- Κάθε αιτών δηλώνει το διδακτικό του προφίλ (μάθημα, βαθμίδα, φορέας κ.λπ.) ως μέρος της αρχικής αίτησης.

2. Ανάπτυξη και υποβολή του σχεδίου

- Η ομάδα υποβάλλει ολοκληρωμένο Σχέδιο Μάθησης & Δημιουργικότητας σε μορφή PDF.
- Για καθεμία από τις 14 Ενότητες/Modules STEAME που είναι διαθέσιμες στην πλατφόρμα, οι αιτούντες πρέπει να περιγράψουν πώς ενσωμάτωσαν τα σχετικά στοιχεία στο L&C Plan τους (έως 50 λέξεις ανά Ενότητα).

3. Εφαρμογή στην τάξη

- Το L&C Plan πρέπει να εφαρμοστεί με μαθητές σε μια σειρά μαθημάτων.
- Οι αιτούντες δηλώνουν τον αριθμό των μαθητών που συμμετείχαν, καθώς και τις ακριβείς ημερομηνίες εφαρμογής.
- Τα τεκμήρια της εφαρμογής υποβάλλονται με τη μορφή φωτογραφιών ή βίντεο.

4. Άδειες γονέων

- Οι εκπαιδευτικοί πρέπει να επιβεβαιώσουν εάν έχουν λάβει άδεια από τους γονείς για το υλικό που υποβάλλουν.

- Σε αντίθετη περίπτωση, πρέπει να προσκομίσουν υπογεγραμμένη δήλωση προστασίας προσωπικών δεδομένων.

5. Ανατροφοδότηση και αναστοχασμός

- Η ανατροφοδότηση των μαθητών συλλέγεται μέσω τυποποιημένου συνόλου ερωτήσεων που καλύπτουν τέσσερις βασικές περιοχές:
 - ο Σύνδεση του έργου με την πραγματική ζωή
 - ο Σαφήνεια των μεθόδων και εμπειρία ομαδικής εργασίας
 - ο Διαμεσολάβηση (agency) των μαθητών και ιδιοκτησία της μάθησης
 - ο Ενδιαφέρον και μακροπρόθεσμο κίνητρο για συνέχιση της μάθησης STEAME
- Τα πρωτογενή δεδομένα (ανώνυμα) πρέπει να υποβάλλονται σε μορφή Excel.
- Κάθε εκπαιδευτικός πρέπει να καταγράψει γραπτώς τον αναστοχασμό του σχετικά με την ανατροφοδότηση αυτή.

6. Αυτο-αξιολόγηση

- Οι αιτούντες πρέπει να αξιολογήσουν την απόδοσή τους με βάση ένα ολοκληρωμένο **Πλαίσιο Ικανοτήτων** που καλύπτει:
 - ο Πλαισίωση των έργων STEAME
 - ο Μεθοδολογική ποιότητα και υποστήριξη της μάθησης
 - ο Διαμεσολάβηση (agency) των μαθητών και coaching
 - ο Καινοτομία και βιωσιμότητα στη διδασκαλία STEAME

Κάθε περιοχή ικανοτήτων περιλαμβάνει περιγραφικούς δείκτες απόδοσης σε τρία επίπεδα, ενώ οι αιτούντες καλούνται να:

- Επιλέξουν τον περιγραφικό δείκτη που αντιστοιχεί στο επίπεδό τους
- Τεκμηριώσουν γραπτώς την αυτο-αξιολόγησή τους (έως 50 λέξεις ανά κριτήριο)

Αξιολόγηση & επικύρωση

Μετά την υποβολή, η πλήρης αναφορά αξιολογείται από αξιολογητές της Ομοσπονδίας (ή Περιφερειακής Ακαδημίας STEAME, όπου αυτό ισχύει). Η αξιολόγηση λαμβάνει υπόψη:

- Την ποιότητα του L&C Plan
- Τα τεκμήρια εφαρμογής στην τάξη
- Την ανατροφοδότηση και τη συμμετοχή των μαθητών
- Την πληρότητα και την ακρίβεια της αυτο-αξιολόγησης

Στους αιτούντες που πληρούν τα πρότυπα του πλαισίου ικανοτήτων απονέμεται η **Πιστοποίηση STEAME Teacher Facilitator**, η οποία μπορεί επίσης να αξιοποιηθεί για την επαγγελματική τους εξέλιξη ή για περαιτέρω διαπίστευση.

Σημείωση: Έως ότου ολοκληρωθεί το πλήρες σύστημα ηλεκτρονικής υποβολής, οι αναφορές υποβάλλονται χειροκίνητα, με τη χρήση προτύπων που διατίθενται για λήψη. Με την ολοκλήρωσή του, η διαδικασία θα ενσωματωθεί πλήρως στην πλατφόρμα STEAME.

6.2 Πρόγραμμα Καθοδήγησης (Mentoring) – Λειτουργικότητα για Μέντορες & Mentees

Το **Πρόγραμμα Καθοδήγησης (Mentoring) STEAME** είναι ένα δομημένο σύστημα εντός της πλατφόρμας, σχεδιασμένο ώστε να ενισχύει την επαγγελματική ανάπτυξη, συνδέοντας έμπειρους εκπαιδευτικούς STEAME (μέντορες) με εκπαιδευτικούς στα πρώτα στάδια της σταδιοδρομίας τους ή με φοιτητές-εκπαιδευτικούς (mentees). Το σύστημα είναι πλήρως ενσωματωμένο και παρέχει απλοποιημένη διαδικασία εγγραφής, επαλήθευσης, έγκρισης και δημόσιας καταχώρισης.

Σκοπός του συστήματος καθοδήγησης

Το πρόγραμμα στοχεύει να:

- Διευκολύνει την πρακτική καθοδήγηση των φοιτητών-εκπαιδευτικών κατά την εφαρμογή μεθοδολογιών STEAME
- Προωθήσει τη διαγενεακή μεταφορά γνώσης μεταξύ έμπειρων εκπαιδευτικών και νεοεισερχόμενων
- Ενισχύσει την κοινότητα STEAME, ενθαρρύνοντας τη συνεργασία και την αμοιβαία υποστήριξη

Το πρόγραμμα βασίζεται σε δύο κεντρικούς ρόλους:

- **Μέντορες** – Έμπειροι εν ενεργεία εκπαιδευτικοί ή επιμορφωτές εκπαιδευτικών σε γνωστικά αντικείμενα STEAME
- **Mentees** – Φοιτητές-εκπαιδευτικοί, νέοι εκπαιδευτικοί ή εν ενεργεία εκπαιδευτικοί που αναζητούν υποστήριξη στην ενσωμάτωση του STEAME

Βασική λειτουργικότητα

Το σύστημα αποτελείται από τρία βασικά στοιχεία:

1. Σελίδα προβολής μεντόρων

Οι εγκεκριμένοι μέντορες καταχωρίζονται σε **δημόσιο κατάλογο μεντόρων**, όπου οι mentees μπορούν να περιηγηθούν στα διαθέσιμα προφίλ. Κάθε καταχώριση μέντορα περιλαμβάνει:

- Ονοματεπώνυμο, φορέα, χώρα
- Τομείς εξειδίκευσης ή εστίασης (π.χ. γνωστικά αντικείμενα STEAME, θεματικές καθοδήγησης)
- Δυνατότητα των φοιτητών-εκπαιδευτικών να εκδηλώσουν ενδιαφέρον για σύνδεση

Με τον τρόπο αυτό ενισχύεται η προβολή και η προσβασιμότητα των μεντόρων σε όλες τις περιοχές.

2. Έντυπο υποβολής και έγκρισης μέντορα

Οι εκπαιδευτικοί που επιθυμούν να γίνουν μέντορες συμπληρώνουν ειδικό **Έντυπο Εγγραφής Μέντορα**, δηλώνοντας:

- Πλήρη στοιχεία επικοινωνίας και φορέα
- Εκπαιδευτικό υπόβαθρο και διδακτική εμπειρία
- Τομείς στους οποίους μπορούν να προσφέρουν καθοδήγηση
- Συγκατάθεση για την εμφάνισή τους στον δημόσιο κατάλογο μεντόρων

Το σύστημα περιλαμβάνει τις ακόλουθες λειτουργίες παρασκήνιου:

- **Ειδοποίηση μέσω email** αποστέλλεται αυτόματα στον διαχειριστή κατά την υποβολή
- **Η λογική κωδικού επαλήθευσης** διασφαλίζει την ασφάλεια κατά την υποβολή

- Μετά την καταχώριση του κωδικού εμφανίζεται δυναμικό μήνυμα: «*Verifying code, please wait...*»
- Τα μεταδεδομένα της υποβολής αποθηκεύονται με ασφάλεια σε πεδία post meta
- Οι μέντορες μπορούν να **εγκριθούν ή να απορριφθούν** από τον διαχειριστή μέσω περιβάλλοντος ελέγχου (αντίστοιχου με την έγκριση σχολίων)

3. Έντυπο υποβολής mentee

Οι mentees εγγράφονται μέσω ενός απλού, δομημένου εντύπου, το οποίο ζητά:

- Ονοματεπώνυμο, email, φορέα (εφόσον υπάρχει) και τομέα/τομείς ενδιαφέροντος
- Προαιρετική προτίμηση για συγκεκριμένο μέντορα

Βασική λεπτομέρεια της διαδικασίας:

- Με την υποβολή του εντύπου και την **επιτυχή επιβεβαίωση του email μέσω κωδικού επαλήθευσης**, ο/η mentee **εγκρίνεται αυτόματα**
- Δεν απαιτείται χειροκίνητη παρέμβαση από τον διαχειριστή της πλατφόρμας στο στάδιο αυτό
- Αποστέλλονται μηνύματα επιβεβαίωσης στον/στην mentee και το αίτημά του/της ενεργοποιείται στο σύστημα
- Στον/στην mentee χορηγείται κωδικός πρόσβασης, τον οποίο χρησιμοποιεί μαζί με τη διεύθυνση email του/της, ώστε να μπορεί να επισκεφθεί εκ νέου τη σελίδα σε περίπτωση που δεν βρει κατάλληλο μέντορα κατά την πρώτη εγγραφή.

Η απρόσκοπτη αυτή είσοδος ενθαρρύνει την ευρύτερη συμμετοχή, διατηρώντας παράλληλα τη λογοδοσία μέσω της επαλήθευσης του email.

Τόσο οι υποβολές των μεντόρων όσο και εκείνες των mentees ενεργοποιούν **ειδοποιήσεις μέσω email** προς τους διαχειριστές της πλατφόρμας, επιτρέποντάς τους να διαχειρίζονται αποτελεσματικά τη διαδικασία.

Διαδικασία αντιστοίχισης (τρέχουσα λογική)

Όταν μέντορες και mentees έχουν καταχωριστεί στο σύστημα:

- **Οι mentees μπορούν να περιηγηθούν ελεύθερα στον κατάλογο των εγκεκριμένων μεντόρων** και να επιλέξουν όποιον/όποια τους ενδιαφέρει
- Ωστόσο, οι **mentees δεν λαμβάνουν τα στοιχεία επικοινωνίας του μέντορα** απευθείας
- Αντ' αυτού, ο/η mentee χρησιμοποιεί ενσωματωμένο **έντυπο επικοινωνίας** της πλατφόρμας για να αποστείλει αίτημα. Το μήνυμα αυτό παραδίδεται:
 - Στον/στην επιλεγμένο/η μέντορα
 - Στη διοικητική ομάδα της Ομοσπονδίας

Έτσι διασφαλίζεται ότι κάθε πρώτη επικοινωνία **ξεκινά με ασφάλεια και εποπτεία**.

Στη συνέχεια, οι μέντορες αποφασίζουν εάν θα προχωρήσουν.

- Εάν ο/η μέντορας **επιθυμεί να συμμετάσχει**, μπορεί να απαντήσει **απευθείας στον/στην mentee μέσω email**

- Ο/Η μέντορας **δεν υποχρεούται να κοινοποιήσει (CC) την απάντηση στην Ομοσπονδία** — η απάντηση είναι ιδιωτική, διαφυλάσσοντας την αυτονομία και την ιδιωτικότητα μετά την αρχική επαφή

Η προσέγγιση αυτή διασφαλίζει:

- Ελεγχόμενες συστάσεις, βασισμένες στη συγκατάθεση
- Προστασία δεδομένων και συμμόρφωση με τον GDPR
- Ελευθερία των μεντόρων να αποφασίζουν εάν θα συμμετάσχουν, με παράλληλη διατήρηση ενός επαγγελματικού σημείου πρώτης επαφής

Το σύστημα υποστηρίζει τόσο τις **συνδέσεις με πρωτοβουλία των mentees** όσο και την **αντιστοίχιση με υποστήριξη του διαχειριστή**, όπου αυτό κρίνεται σκόπιμο, προσφέροντας ευελιξία και δυνατότητα κλιμάκωσης.

Παράρτημα 3 – Πρόγραμμα Καθοδήγησης (Mentoring) – Λειτουργικότητα για Μέντορες & Mentees

Παράρτημα 3.1 – Έντυπο εγγραφής μεντόρων



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Mentors Form

Mentor Form

Name (required) Surname (required)

Affiliation (name of school, HLL website) (required)

City of Work (required) Country of Work (required)

Language (required)
English

Email (required) Please type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required) Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Select All

Upload Photo (required)

Choose file No file chosen

Accepted file types: jpg, jpeg, png, max. file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online mentorship
☐ Internship Collaboration
☐ Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?
☐ Associate partner of the project STEAM-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12)
☐ Higher Education
☐ Training Centre
☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Παράρτημα 3.2 – Πρόγραμμα Καθοδήγησης (Mentoring) – Λειτουργικότητα mentee



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

⚠ Click the "Send Code" button to receive a verification code via email.
! If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)

Professional field of expertise/studies (Required)

Teaching subjects, if any

- ☐ Science
- ☐ Technology
- ☐ Engineering
- ☐ Arts
- ☐ Mathematics
- ☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
- ☐ Associate partner of the project STEAME-Academy
- ☐ Private
- ☐ Public
- ☐ School (Any grades within 1-12?)
- ☐ Higher Education
- ☐ Training Centre
- ☐ Other

Mentorship Type (Required)

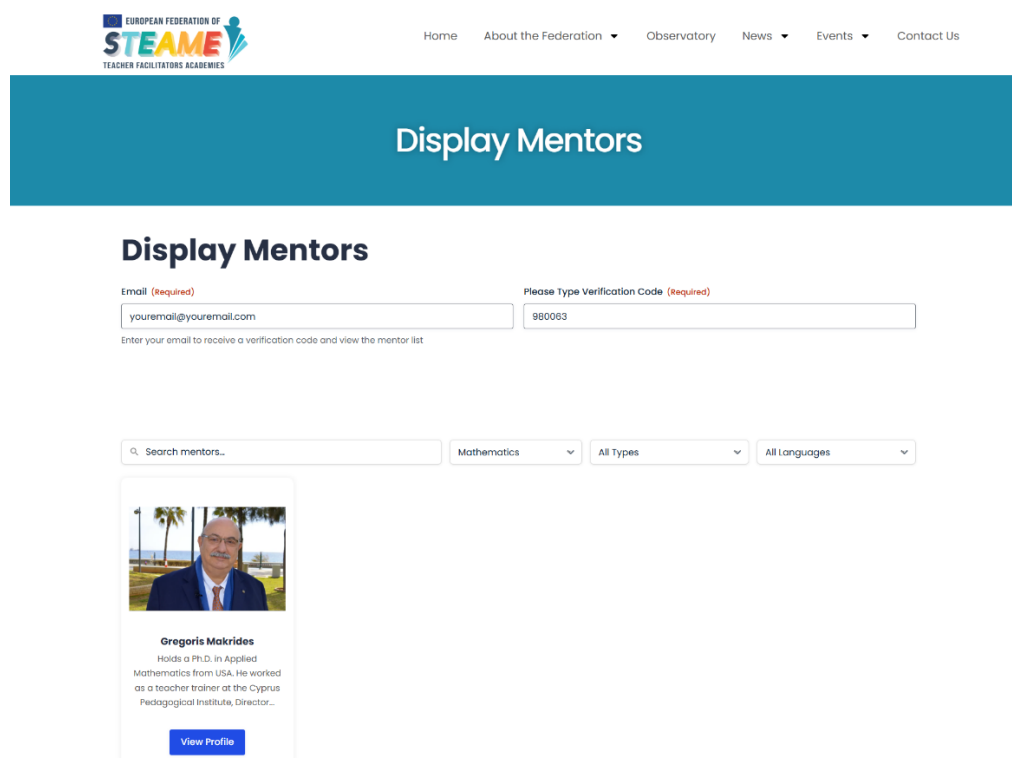
- ☐ Online Mentorship
- ☐ Internship Collaboration
- ☐ Co-creation towards STEAME Certification



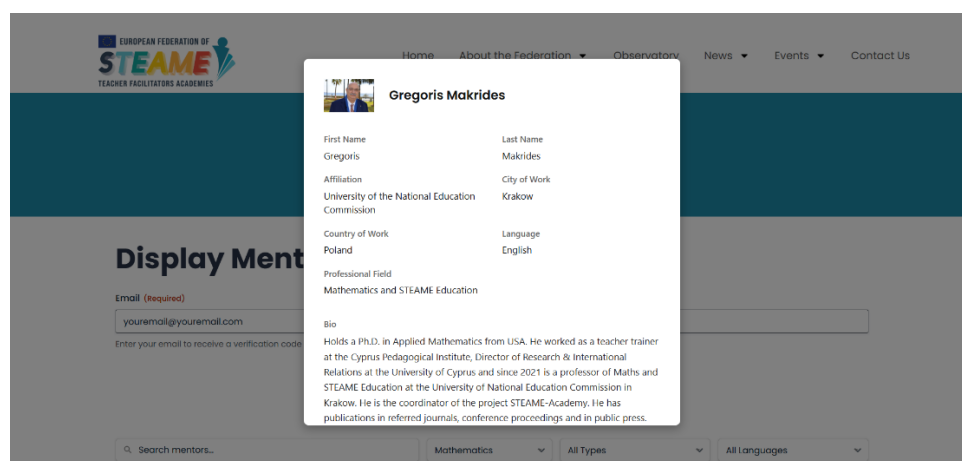
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Παράρτημα 3.3 – Πρόγραμμα Καθοδήγησης (Mentoring) – Προβολή μεντόρων



Παράρτημα 3.4 – Πρόγραμμα Καθοδήγησης (Mentoring) – Προβολή βιογραφικού μέντορα



6.3 Σχέδια Μάθησης & Δημιουργικότητας

Η ενότητα **Σχέδια Μάθησης & Δημιουργικότητας (L&C Plans)** της πλατφόρμας STEAME λειτουργεί ως ψηφιακό αποθετήριο διεπιστημονικών σχεδίων μαθήματος βασισμένων σε έργα, τα οποία ευθυγραμμίζονται με το εκπαιδευτικό πλαίσιο STEAME (Science, Technology, Engineering, Arts, Mathematics and Entrepreneurship). Τα σχέδια αυτά αναπτύσσονται από εκπαιδευτικούς, αξιολογούνται μέσα από πιλοτικές εφαρμογές και διατίθενται για την υποστήριξη της εφαρμογής τους στην τάξη, σε διαφορετικές ηλικιακές ομάδες και εκπαιδευτικές βαθμίδες.

Σκοπός της ενότητας

Η ενότητα αυτή σχεδιάστηκε ώστε να:

- Παρέχει **έτοιμα προς χρήση σχέδια μαθήματος** για εκπαιδευτικούς που δραστηριοποιούνται σε γνωστικά αντικείμενα STEAME
- Ενθαρρύνει τη διεπιστημονική σκέψη, προβάλλοντας παραδείγματα που συνδυάζουν πολλαπλά γνωστικά αντικείμενα σε συνεκτικές μαθησιακές δραστηριότητες
- Υποστηρίζει τους εκπαιδευτικούς που συμμετέχουν στη **Διαδρομή Πιστοποίησης STEAME**, όπου η δημιουργία και η εφαρμογή ενός L&C Plan αποτελεί βασική προϋπόθεση
- Προωθεί τη **συνεργασία**, τη **δημιουργικότητα** και την **καινοτομία** στις ευρωπαϊκές τάξεις

Κάθε σχέδιο δίνει έμφαση στη σύνδεση με τον πραγματικό κόσμο, στην ομαδική εργασία, στην ενεργητική μάθηση και στην εφαρμογή της μεθοδολογίας STEAME μέσω δομημένου σχεδιασμού έργου.

Βασικά χαρακτηριστικά και δομή

Οι εκπαιδευτικοί που επισκέπτονται την ενότητα Σχέδια Μάθησης & Δημιουργικότητας μπορούν να:

- **Περιηγηθούν στην πλήρη βιβλιοθήκη των δημοσιευμένων σχεδίων**
- **Φιλτράρουν τα σχέδια** κατά:
 - ο **Θεματική κατηγορία** (π.χ. Science, Mathematics, Engineering, Arts κ.λπ.)
 - ο **Ηλικιακή ομάδα** (π.χ. 10–14, 14–18 ή ειδικές βαθμίδες)
 - ο **Γλώσσα**
 - ο **Συγγραφέα**
- **Δουν τις λεπτομέρειες κάθε σχεδίου**, όπως:
 - ο Τίτλο και κωδικό σχεδίου (π.χ. «ST53 – The Future of Energy»)
 - ο Ηλικιακή ομάδα-στόχο και γνωστικά αντικείμενα του προγράμματος σπουδών
 - ο Όνομα συγγραφέα και φορέα
 - ο Σύντομη περιγραφή και μαθησιακούς στόχους
 - ο Πρόσβαση στο πλήρες σχέδιο για λήψη ή σε προεπισκόπησης του
- **Χρησιμοποιήσουν προηγμένες επιλογές φιλτραρίσματος** για να εντοπίσουν σχέδια σχετικά με συγκεκριμένες θεματικές, χώρες ή εκπαιδευτικά πλαίσια

Κάθε σχέδιο αξιολογείται από ομοτίμους ή εφαρμόζεται πιλοτικά κατά την ανάπτυξή του, γεγονός που διασφαλίζει ένα επίπεδο ποιότητας και ευθυγράμμισης με τις διδακτικές αρχές STEAME.

Αξιοποίηση στην πιστοποίηση και στην καθημερινή διδασκαλία

Για τους εκπαιδευτικούς που ακολουθούν τη **Διαδρομή Πιστοποίησης STEAME**, η επιλογή ή η δημιουργία ενός Σχεδίου Μάθησης & Δημιουργικότητας αποτελεί υποχρεωτικό βήμα της διαδικασίας. Τα σχέδια αυτά λειτουργούν ταυτόχρονα ως:

- Ένα **πρότυπο** για την ανάπτυξη διεπιστημονικών δραστηριοτήτων
- Ένα **υποχρεωτικό στοιχείο υποβολής** που συνδέεται με την εφαρμογή στην τάξη και την ανατροφοδότηση των μαθητών

Για όλους τους εκπαιδευτικούς, το αποθετήριο των L&C Plans λειτουργεί ως **εφαλτήριο δημιουργικότητας**, βοηθώντας τους να ενσωματώσουν τη μεθοδολογία STEAME σε πραγματικές συνθήκες τάξης, με πρακτικά παραδείγματα προσαρμοσμένα στην ηλικία των μαθητών.

Παράρτημα 4 – Σχέδια Μάθησης & Δημιουργικότητας



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All videos available in the Resources below are available in 9+ languages subtitles. Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

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PE: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

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Subcategory

Age Levels

Language

SHOW RESULTS

Descending

Ascending

Most Viewed

Regional Academies

10-16



PS1- Finding science and mathematics in arts of Solvatore Dali-EN

10-14



PS2- Discovering Antoni Gaudi-EN

10-14



PS3- Eco multi-use cube from reused water plastic bottles- EN

10-14



PS4- Sound proof panels from reused polyester fabric waste- EN

10-14



PS5- Water filter ecological straw- EN

14-16



PS6- Research- AI tools in education- EN

14-16



PS7- Exploring and presenting AI tools within school assignments- EN

14-16



PS8- Escape Room in the classroom- EN

10-14



PS9- Four triangle centres and the Euler line- EN

14-16



PS10- Programming through gamification- EN

10-14



PS11- Weather in my city- EN

10-14



PS12- Eco-Innovation Designing a sustainable Product using Chat GPT- EN

10-16



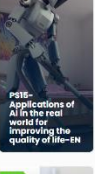
PS13- Ancient Greek Innovators Exploring and Recreating Technology- EN

10-14



PS14- Sustainable Tourism in Rhodes- EN

14-16



PS15- Applications of AI in the real world for improving the quality of life- EN

14-16



PS16- The Spread of Infectious Diseases- EN

14-16



PS17- Handling Data in the context of Climate Change- EN

14-16



PS18- Using simple linear programming - EN

14-16



PS19- Sweet Hive Venture- EN

14-16



PS20- Art Studio- EN



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6.4 Περιφερειακές και Εθνικές Ακαδημίες

Η ενότητα **Περιφερειακές και Εθνικές Ακαδημίες STEAME** της πλατφόρμας παρουσιάζει το διαρκώς αναπτυσσόμενο δίκτυο των τοπικών Ακαδημιών STEAME που έχουν ιδρυθεί σε ολόκληρη την Ευρώπη και πέραν αυτής. Οι Ακαδημίες αυτές λειτουργούν υπό τον συντονισμό και τα πρότυπα ποιότητας της Ομοσπονδίας STEAME και αποτελούν εθνικούς ή περιφερειακούς κόμβους για την επιμόρφωση εκπαιδευτικών, την καθοδήγηση, την πιστοποίηση και τη διάχυση των μαθησιακών πρακτικών STEAME.

Σκοπός της ενότητας

Η ενότητα αυτή υπάρχει για να:

- **Αποτυπώνει τη γεωγραφική εξάπλωση** των ενεργών Ακαδημιών STEAME σε διάφορες χώρες
- **Προβάλλει τους περιφερειακούς φορείς** που στηρίζουν την τοπική εφαρμογή του πλαισίου STEAME
- **Καθοδηγεί εκπαιδευτικούς και φορείς** ώστε να συνδεθούν με την πλησιέστερη Ακαδημία για πρόσβαση σε πιστοποίηση, επιμόρφωση και υποστήριξη από την κοινότητα
- **Ενθαρρύνει τη δημιουργία** νέων περιφερειακών Ακαδημιών υπό την ομπρέλα της Ομοσπονδίας

Ευθυγραμμίζεται με το ευρύτερο όραμα του έργου STEAME: την κλιμάκωση του εκπαιδευτικού μετασχηματισμού μέσω της ενίσχυσης της τοπικής ιδιοκτησίας και προσαρμογής, εντός ενός δομημένου ευρωπαϊκού πλαισίου.

Βασικά χαρακτηριστικά και δομή

Η ενότητα περιλαμβάνει:

6.4.1 Κατάλογοι χωρών

Κατάλογος των συμμετεχουσών χωρών με λειτουργούσες ή υπό ανάπτυξη Περιφερειακές Ακαδημίες STEAME. Κάθε καταχώριση χώρας μπορεί να παραπέμπει σε περισσότερες πληροφορίες για την Ακαδημία, όπως:

- Φορέας φιλοξενίας
- Σημείο επαφής
- Γλώσσα λειτουργίας
- Ενεργά προγράμματα και τοπικές δραστηριότητες STEAME

Στις χώρες που συμμετέχουν επί του παρόντος περιλαμβάνονται (ενδεικτικά): Βέλγιο, Βουλγαρία, Κύπρος, Ελλάδα, Πολωνία, Πορτογαλία, Ρουμανία και Ισπανία. Ο κατάλογος αναμένεται να διευρυνθεί με την έγκριση νέων Ακαδημιών.

6.4.2 Αίτηση για την ίδρυση νέας Ακαδημίας

Φορείς (π.χ. σχολεία, κέντρα επιμόρφωσης εκπαιδευτικών, ΜΚΟ ή πανεπιστήμια) που επιθυμούν να ιδρύσουν νέα Ακαδημία STEAME στην περιοχή τους μπορούν να το πράξουν μέσω της πλατφόρμας.

Η ενότητα περιλαμβάνει:

- Μια ευδιάκριτη προτροπή **«Establish a Regional STEAME Academy»** (call-to-action)
- Ένα κουμπί **«Apply Now»** που οδηγεί στο έντυπο αίτησης ή στη διαδικασία υποβολής

Οι αιτήσεις αυτές εξετάζονται από την Ομοσπονδία, σύμφωνα με τις σχετικές κατευθυντήριες γραμμές και την ευθυγράμμίση τους με τους στόχους του έργου.

6.4.3 Πρόσκληση για ένταξη στην Ομοσπονδία

Πέρα από την ίδρυση Ακαδημίας, οι φορείς μπορούν επίσης να υποβάλουν αίτηση για να γίνουν **μέλη της Ομοσπονδίας**. Για τον σκοπό αυτό διατίθεται ξεχωριστή επιλογή «**Become a Member**» με δικό της κουμπί «**Apply Now**».

Σύνοψη της διαδικασίας

1. **Οι εκπαιδευτικοί** που επισκέπτονται την πλατφόρμα μπορούν να εντοπίσουν την εθνική ή περιφερειακή τους Ακαδημία και να ζητήσουν υποστήριξη.
2. **Οι φορείς** μπορούν να υποβάλουν αίτηση για τη δημιουργία νέων Ακαδημιών όπου δεν υπάρχουν, συμβάλλοντας στη διεύρυνση του οικοσυστήματος STEAME.
3. **Η καθοδήγηση και η πιστοποίηση** διοχετεύονται συχνά μέσω αυτών των Ακαδημιών, οι οποίες αποτελούν τοπικά σημεία επαφής για την υλοποίηση του προγράμματος.

Παράρτημα 5 – Περιφερειακές και Εθνικές Ακαδημίες

Παράρτημα 5.1 – Περιφερειακές και Εθνικές Ακαδημίες

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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

[APPLY NOW](#)

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

[APPLY NOW](#)



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EUROPEAN FEDERATION OF
STEAME
TEACHER FACILITATORS ACADEMIES

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Παράρτημα 5.2 – Έντυπο ίδρυσης Περιφερειακής Ακαδημίας



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

Choose file

 No file chosen

NEXT

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* Οι λειτουργίες που σημειώνονται με * θα καταστούν διαθέσιμες εντός της διάρκειας του έργου.

Χρήσιμοι Σύνδεσμοι

- Προβολή όλων των μεντόρων για τους mentees (και λειτουργία αναζήτησης): <https://federation-steame-academies.eu/display-mentors/>
- Υποβολή εντύπου mentee: <https://federation-steame-academies.eu/mentees-form/>
- Υποβολή εντύπου μέντορα: <https://federation-steame-academies.eu/mentors-form/>

FRENCH



ACADÉMIE DES ENSEIGNANTS-FACILITATEURS STEAME

Numéro de référence : 101102619

Période de mise en œuvre : du 1er juin 2023 au 31 mai 2026

WP4

D4.2 Observatoire en ligne des académies européennes d'enseignants STEAME : L'outil

Partenaire principal du livrable : Société mathématique de Chypre

www.steame-academy.eu



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1. INTRODUCTION

L'Observatoire en ligne des Académies européennes d'enseignants-facilitateurs STEAME constitue l'infrastructure numérique centrale qui soutient les activités coordonnées des académies STEAME régionales et nationales à travers l'Europe. Il s'agit d'un livrable du projet européen STEAME Teacher Facilitators Academy, financé par l'Union européenne. Le projet vise à promouvoir un enseignement interdisciplinaire en donnant aux enseignants accès à des formations, des ressources, une certification et des structures de collaboration fondées sur l'approche STEAME - sciences, technologie, ingénierie, arts, mathématiques et entrepreneuriat.

Ce manuel propose une présentation complète de la plateforme accessible à l'adresse : <https://federation-steame-academies.eu>.

Il a pour objectif de guider les enseignants, les responsables des académies STEAME, les coordinateurs institutionnels STEAME et les partenaires du projet dans l'utilisation de l'ensemble des fonctionnalités de la plateforme. Il explique notamment comment :

- naviguer dans les espaces publics et les espaces réservés aux membres du site ;
- enregistrer de nouvelles académies STEAME ;
- consulter et soumettre des plans d'apprentissage et de créativité STEAME ;
- demander et gérer un parcours de certification pour enseignants ;
- participer aux programmes de mentorat ;
- proposer des événements et partager des actualités avec l'ensemble de la communauté STEAME ;
- garantir le respect du RGPD pour toutes les soumissions.

L'Observatoire est à la fois une banque de ressources et un écosystème collaboratif. Ses outils renforcent la visibilité des institutions et les liens entre elles, tout en offrant aux enseignants des possibilités structurées de participation grâce à des formulaires standardisés, des annuaires interactifs et des parcours de développement professionnel.

Le manuel est organisé selon les différentes sections de la plateforme et comprend :

- la structure de navigation ;
- les objectifs et les fonctionnalités de chaque section ;
- des captures d'écran à titre de repère visuel ;
- des instructions détaillées pour tous les formulaires interactifs ;
- les coordonnées des partenaires et contacts.

2. ACCÈS À LA PLATEFORME ET NAVIGATION

L'Observatoire STEAME est accessible à l'adresse : [https://federation-steame-academies.eu/](https://federation-steame-academies.eu/https://federation-steame-academies.eu/)

La plateforme est accessible au public et optimisée pour les navigateurs web actuels, notamment Google Chrome, Mozilla Firefox, Microsoft Edge et Safari.

Menu de navigation principal

Situé en haut de chaque page, le menu de navigation principal permet aux utilisateurs d'accéder facilement à toutes les sections publiques et interactives. Les éléments de menu suivants sont disponibles :

1. Accueil – La page de destination de la plateforme, mettant en avant la mission, les actualités et les actions principales de la Fédération STEAME.
2. Fédération – Une section détaillée décrivant la structure, la vision et les éléments clés de la Fédération des académies STEAME.
3. Observatoire STEAME - Le point d'accès central vers les principales fonctionnalités de la plateforme, notamment :
 - Académies régionales/nationales
 - Plans d'apprentissage et de créativité
 - Parcours de certification des enseignants
 - Programme de mentorat
 - Soumettre votre académie
 - Soumettre votre événement
4. Actualités et événements - Une liste des annonces, publications et activités à venir.
5. Contact - Un accès direct aux coordonnées de la plateforme et au formulaire de consentement conforme au RGPD.

Les utilisateurs peuvent également accéder aux sous-sections à l'aide des menus déroulants lorsqu'ils sont disponibles.

Accès aux soumissions

Bien que la majeure partie de la plateforme soit accessible au public, certaines fonctionnalités de soumission - par exemple l'enregistrement d'une académie, la proposition d'un événement ou le dépôt d'un dossier de certification - nécessitent de remplir un formulaire en ligne. Ces formulaires sont accessibles depuis les pages correspondantes de la section Observatoire STEAME.

Accessibilité

Le site est adaptatif et peut être consulté sur ordinateur, tablette ou smartphone. Les mesures d'accessibilité comprennent notamment :

- Interface simple avec des titres clairs
- des formulaires présentés selon une mise en page standardisée ;
- des temps de chargement optimisés pour différents types de connexion.

3. APERÇU DE LA PAGE D'ACCUEIL DE LA FÉDÉRATION

<https://federation-steame-academies.eu>

1. En-tête principal et menu de navigation

Description : Le haut de la page présente le menu de navigation principal de la plateforme, avec des liens vers tous les principaux domaines, notamment :

- *Accueil*
- *À propos de la Fédération (sous-pages : Profil, Statuts, Conseil d'administration, Membres)*
- *Observatoire*
- *Actualités et lettre d'informations*
- *Événements et soumissions*
- *Contact*

Objectif : Fournir aux utilisateurs un accès cohérent et toujours disponible à la structure complète de la plateforme.

2. Cartouche de titre de la plateforme

Description : le nom « Fédération européenne des Académies d'enseignants-facilitateurs STEAME » est affiché de manière bien visible, accompagné d'un sous-titre soulignant la dimension européenne du projet.

Objectif : Communiquer immédiatement qu'il s'agit d'une initiative formelle soutenue par l'UE et axée sur l'éducation STEAME.

3. Section de présentation vidéo

Description : un encadré invite les utilisateurs à regarder une courte vidéo de présentation, de moins de 150 secondes, qui présente l'objectif et la vision de la Fédération.

Objectif : proposer aux nouveaux visiteurs une présentation rapide et attrayante du projet, également utilisable lors de présentations, d'actions de communication ou de séances d'accueil destinées aux enseignants..

4. Boutons d'accès rapide/zones d'action clés

Description : de grands boutons cliquables donnent un accès direct aux principaux outils de la plateforme :

- Communication pédagogique STEAME et webinaires
- Demande de création d'une académie régionale STEAME
- Lien vers le site officiel du projet STEAME-ACADEMY

Objectif : orienter immédiatement les utilisateurs vers les actions prioritaires et les ressources externes utiles à la création, à la formation et au développement des académies locales.

5. Aperçu de l'Observatoire STEAME

Description : un court texte intitulé « L'Observatoire de la plateforme STEAME » présente les principales fonctionnalités de l'Observatoire, notamment :

- Ressources disponibles gratuitement

- Accompagnement à la certification pour les enseignants
- Accès aux académies régionales
- mentorat dans la langue locale

Objectif : présenter les fonctionnalités de l’Observatoire et encourager les enseignants à explorer les outils utiles à leur développement professionnel et à la collaboration.

6. Points forts de la Fédération : accès aux académies

Description : Deux liens texte permettent d'accéder à :

- la Fédération européenne des Académies STEAME
- le réseau des académies STEAME régionales et nationales

Objectif : aider les enseignants et les représentants d’institutions à trouver une académie dans leur région et à entrer en contact avec un soutien local.

7. Bloc d'aperçu des actualités

Description : affiche les trois dernières actualités avec leur titre et un lien.

Objectif : diffuser les actualités et assurer une communication transparente sur les activités, les étapes du projet et l’engagement de la communauté à travers l’Europe.

8. Bloc d'aperçu des événements

Description : affiche les événements à venir ou récents liés à la Fédération et au réseau des académies STEAME.

Objectif : informer les parties prenantes et favoriser leur participation aux événements, ateliers et conférences liés au projet.

9. Formulaire d'abonnement à la lettre d'information

Description : formulaire d’inscription par courrier électronique permettant aux visiteurs de recevoir régulièrement les actualités du projet.

Objectif : constituer une base de contacts et un canal de communication pour diffuser des ressources, des possibilités de participation et des annonces.

10. Clause de non-responsabilité relative au financement de l'UE

Description : Texte standard expliquant le statut de financement de l'UE et les mentions légales.

Objectif : Reconnaître le soutien de l’UE et préciser que le contenu reflète uniquement les opinions des auteurs.

11. Section de pied de page

Description : propose des liens de navigation rapide, les coordonnées de contact et une dernière invitation à s’abonner.

Objectif : permettre aux utilisateurs de retrouver facilement les principales pages du site, où qu’ils se trouvent, et de prendre contact avec la Fédération.

Annexe 1 - Accès à la plateforme et navigation

The screenshot displays the homepage of the European Federation of STEAME Teacher Facilitators Academies. The top navigation bar includes links for Home, About the Federation, Observatory, Press, Events, and Contact Us. The main header features the organization's name and a search bar. Below this, a large banner image shows a group of people in a meeting, with the text 'EUROPEAN FEDERATION OF STEAME TEACHER FACILITATORS ACADEMIES EUROPEAN LEVEL' and a search bar. To the right, a section titled 'STEAME ACADEMY ANNUAL CONFERENCE' includes a 'READ MORE' button. Below the banner, three featured events are listed: 'STEAME Teacher Facilitators Academy OPEN INVITATION TO A TWO-DAY EUROPEAN WORKSHOP', 'STEAME Teacher Facilitators Academy SECOND EUROPEAN WORKSHOP AND ROUND TABLE EVENT', and 'EUROPEAN STEAME-ACADEMY SYMPOSIUM 2025'. A 'Load More' button is provided. The 'Events' section also lists 'STEAME Teacher Facilitators Academy THIRD EUROPEAN WORKSHOP AND ROUND TABLE EVENT'. Below this, a section titled 'THE STEAME PLATFORM OBSERVATORY' describes the platform's purpose and provides a 'Load More' button. The 'News' section features three articles: 'STEAME Teacher Facilitators Academy OPEN INVITATION TO A TWO-DAY EUROPEAN WORKSHOP', 'EUROPEAN STEAME ACADEMY SYMPOSIUM 2025 - OFFICIAL PROGRAMME', and 'Successful Completion of the first STEAME Teacher Facilitators Academy - Credential Certificate Programme in Cyprus'. A 'Load More' button is also present. On the right, a 'Subscribe to our Newsletter' section includes a form with fields for Name, Last Name, Organization, City, Country, and Your email, and a 'SUBSCRIBE' button. The footer contains the 'Co-funded by the European Union' logo, contact information, quick links, and a newsletter sign-up form. The copyright notice at the bottom reads: 'Copyright © 2024 - 2023 EUROPEAN FEDERATION OF STEAME TEACHER FACILITATORS ACADEMY | Privacy Policy | Powered by Upwork'.

4. PAGE D'ACCUEIL DE L'OBSERVATOIRE STEAME

Cette page constitue la porte d'entrée de l'Observatoire STEAME, qui rassemble les principales fonctionnalités de la plateforme. Elle donne accès aux outils et formulaires permettant de soumettre des contenus, de demander une certification, de participer au mentorat et de consulter les académies, les plans et les événements disponibles. Cette section dynamique s'adresse aussi bien aux enseignants en exercice qu'aux futurs enseignants. <https://federation-steame-academies.eu/the-platform-observatory/>

1. En-tête supérieur et menu contextuel

Description : la page comprend une sous-navigation contextuelle permettant d'accéder rapidement aux outils et fonctionnalités associés, tels que :

- À propos du projet
- Certification d'enseignant STEAME
- Programme de mentorat
- Communication pédagogique STEAME
- Revue STEAME
- Académies
- Événements
- Actualités
- Ressources de la Fédération
- Liens et ressources utiles

Objectif : offrir, à partir d'un même endroit, un accès rapide et structuré à toutes les fonctionnalités de la plateforme. Chaque lien renvoie vers une ressource ou un formulaire de soumission spécifique.

2. Titre principal : « L'Observatoire de la plateforme »

Description : ce titre met en évidence la section Observatoire, présentée comme le cœur fonctionnel du site où prennent forme les collaborations pédagogiques.

Objectif : indiquer qu'il s'agit du point de départ pour accéder à l'ensemble des outils : certification, plans, événements, mentorat, etc.

3. Lien d'accès direct : académies STEAME régionales et nationales

Description : un grand bouton fléché vers la droite (→), intitulé « Académies STEAME régionales et nationales ».

Objectif : orienter les utilisateurs vers la carte ou l'annuaire interactif des académies régionales et nationales qu'ils peuvent contacter ou rejoindre en fonction de leur situation géographique.

4. Formulaire de contact et d'accès (champs obligatoires)

Description : sous le contenu principal de l'Observatoire se trouve un formulaire de données personnelles conforme au RGPD, qui demande les informations obligatoires suivantes :

- Nom et prénom
- E-mail
- Pays (liste déroulante avec tous les pays du monde)
- Ville
- case à cocher de consentement au titre du RGPD

Objectif : permettre aux enseignants, aux futurs enseignants et aux candidats à une académie de s'identifier et de prendre contact avec la plateforme, notamment pour être orientés vers une structure régionale ou pour manifester leur intérêt pour la certification.

Cette section sert de point d'entrée pour obtenir un accompagnement personnalisé ou déclencher un suivi par courrier électronique selon le pays et la région.

5. Compteurs en temps réel : indicateurs du projet

Description : une rangée de compteurs présente quatre indicateurs du projet (actuellement affichés à « 0 » et susceptibles d'être mis à jour dynamiquement) :

- Nombre de pays
- Nombre d'académies
- Nombre de langues
- Nombre de plans d'apprentissage et de créativité

Chacun est marqué « d'ici le 15 janvier 2025 ».

Objectif : présenter de manière transparente l'avancement du projet et ses objectifs de participation, afin d'aider les utilisateurs à comprendre la portée de l'initiative et son stade de développement.

6. Section « Ressources de la Fédération »

Description : un paragraphe détaillé explique l'objectif de la Fédération : former les enseignants, promouvoir l'apprentissage STEAME par projet et construire un réseau européen d'académies. Il souligne les liens avec Erasmus+ et la vision à long terme d'une transformation de l'éducation.

Objectif : replacer la plateforme dans son contexte pédagogique et professionnel et montrer qu'elle constitue non seulement un outil, mais aussi une initiative stratégique pour contribuer à l'avenir de l'enseignement STEAME en Europe.

7. Certification européenne des enseignants-facilitateurs STEAME (micro-certification)

Description : Un bloc de texte présente le parcours de certification et explique comment les utilisateurs peuvent postuler :

- Soit via une académie locale (régionale)
- Ou, s'il n'en existe pas, directement via la Fédération

Un bouton d'appel à l'action intitulé « POSTULER MAINTENANT » est placé ci-dessous, avec la mention « Soumettre le rapport en ligne (OUTIL EN CONSTRUCTION) ».

Objectif : guider les enseignants en exercice et les futurs enseignants vers une reconnaissance professionnelle formelle dans le cadre de la Fédération.

8. Sections de liens utiles (trois sous-sections)

Description : les liens sont répartis selon trois publics cibles et renvoient vers des ressources externes :

- Enseignants en exercice - STEAME dans l'enseignement scolaire
- Futurs enseignants - Enseignement supérieur - liens spécifiques à l'enseignement supérieur
- Élèves - outils de compétences et vidéos pédagogiques

Objectif : proposer des liens et des outils d'apprentissage adaptés aux différents publics de la plateforme.

9. Aperçu du programme de mentorat

Description : Deux sous-sections

- « Devenir mentor STEAME » - invite les enseignants expérimentés à accompagner de futurs enseignants
- « Trouver un mentor STEAME » - permet aux futurs enseignants de demander un accompagnement

Objectif : mettre en place une structure de mentorat durable qui mette l'expérience des enseignants expérimentés au service de l'apprentissage des nouveaux entrants.

10. Abonnement à la lettre d'information (section inférieure)

Description : reprise du formulaire principal d'abonnement à la lettre d'information : nom, adresse e-mail, organisation, ville et pays.

Objectif : élargir le réseau de contacts de la Fédération et tenir les utilisateurs informés des actualités et possibilités offertes.

Annexe 2 - Page d'accueil de l'Observatoire STEAME

STEAME
TEACHER ACADEMY

HOME About the Federation Observatory News Events Contacts

THE PLATFORM OBSERVATORY
REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Useful Links

- SCHOOL SERVICE TEACHERS**
If you are a teacher and want to become a STEAME mentor, click here.
- STUDENT TEACHERS/HIGHER EDUCATION**
If you are a student and want to become a STEAME mentee, click here.
- SCHOOL STUDENTS**
If you are a student and want to become a STEAME mentee, click here.

Mentoring Programme

- Become a STEAME Mentor**
If you are a teacher and want to become a STEAME mentor, click here.
- Find a STEAME Mentor for me**
If you are a student and want to become a STEAME mentee, click here.

8 Countries
by 15th May 2020

14 Academies
by 15th May 2020

9 Languages
by 15th May 2020

108 Learning & Creativity Plans
by 15th May 2020

The Federation Resources

The STEAME Teacher Academy is a platform for teachers to share their experiences and knowledge. It is a place where teachers can find resources, share their own, and learn from each other. The platform is designed to be a hub for teachers to connect and collaborate.

Subscribe to our Newsletter

The newsletter will provide you with updates on the latest news, events, and resources. It is a great way to stay up-to-date with the STEAME community.

EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION

The STEAME Teacher Facilitator Certification is a program designed to recognize and reward teachers who have made significant contributions to the STEAME community. It is a way to honor teachers who have gone above and beyond to support their students and colleagues.

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5. FONCTIONNALITÉ DES ACTUALITÉS ET DES ÉVÉNEMENTS

1. Section Actualités

La section Actualités de la plateforme de la Fédération STEAME est consacrée à la publication des informations officielles, annonces et rapports d'avancement de la Fédération et de ses partenaires. Elle a pour objectif de :

- informer les parties prenantes des étapes importantes du projet, des événements réalisés, des nouvelles ressources et des publications ;
- Présenter l'impact des activités de la Fédération à travers l'Europe
- maintenir une communication transparente et régulière avec les enseignants, les partenaires et le grand public.

Le contenu de cette section est sélectionné et publié par l'équipe de la Fédération. Elle constitue l'archive centrale des principales actualités liées à l'initiative européenne des Académies d'enseignants STEAME.

2. Section Événements

La section Événements est consacrée à la promotion des activités à venir, notamment :

- Ateliers, colloques et tables rondes de certification organisés par la Fédération
- Grands rendez-vous européens ou nationaux liés à l'éducation STEAME
- Dates importantes pour la formation des enseignants, la participation à l'académie ou la diffusion du projet

Cette section aide les utilisateurs à planifier leur participation, à rester informés et à repérer les possibilités de développement professionnel. Les événements sont publiés par la Fédération ou, à l'avenir, proposés par des utilisateurs vérifiés.

3. Proposition d'un événement par la communauté*

La plateforme proposera prochainement une fonctionnalité permettant aux enseignants, aux représentants des académies STEAME et à d'autres contributeurs de proposer directement des événements. Cette fonctionnalité est encore en cours de développement ; elle vise à encourager les initiatives de terrain et à accroître la visibilité des activités STEAME locales.

Cette fonctionnalité devrait permettre de :

- partager des événements STEAME proposés par les acteurs locaux, tels que des ateliers scolaires, des formations organisées par les académies, des concours interdisciplinaires et des conférences pédagogiques ;
- mettre à disposition un formulaire de soumission standardisé comportant les champs obligatoires suivants :
 - Titre de l'événement
 - Description
 - Date et heure
 - Localisation (physique ou en ligne)
 - Public cible
 - Coordonnées de l'organisateur
- intégrer un processus de modération et d'approbation :
 - les événements proposés seront examinés par l'équipe administrative de la Fédération afin de vérifier leur adéquation avec les objectifs pédagogiques STEAME ;

- seuls les événements approuvés seront publiés et apparaîtront dans le calendrier public de la plateforme ;
- les contributeurs pourront être contactés avant l’approbation afin d’apporter des précisions ou des informations complémentaires.

Cette nouvelle fonctionnalité renforcera considérablement la dimension communautaire de la plateforme en offrant aux enseignants de toute l’Europe un canal pour promouvoir leurs propres activités. Elle contribuera ainsi à l’objectif de la Fédération STEAME : favoriser une visibilité partagée, l’engagement local et l’innovation portée par les enseignants dans le cadre plus large de l’éducation STEAME.

4. Lettre d’information

La section Lettre d’information rassemble les éditions téléchargeables de la lettre d’information de la Fédération, publiées à intervalles réguliers. Elle permet de :

- Résumer les actualités, les réalisations et les opportunités à venir
- Fournir un format pratique pour partager des mises à jour avec des réseaux plus larges
- Permettre aux parties prenantes de rester informées même si elles ne visitent pas fréquemment le site Web

Les anciennes lettres d’information sont archivées par année et téléchargeables au format PDF, ce qui permet aux enseignants et aux partenaires institutionnels de suivre l’évolution du projet dans le temps.

6. OUTILS DE L'OBSERVATOIRE STEAME

6.1 Parcours de certification des enseignants-facilitateurs STEAME (en cours de développement)*

La plateforme de la Fédération STEAME met en place un parcours structuré de certification destiné à reconnaître la capacité des enseignants à concevoir et mettre en œuvre des activités d'apprentissage STEAME interdisciplinaires fondées sur des projets. Cette certification prendra la forme d'une micro-certification et s'appuie sur un référentiel de compétences élaboré au niveau européen.

Objectif de la certification

Le processus de certification vise à :

- permettre aux enseignants d'acquérir une expérience pratique de l'enseignement STEAME ;
- valider leur capacité à concevoir et à mettre en œuvre des plans d'apprentissage et de créativité interdisciplinaires (plans L&C) ;
- promouvoir des pratiques pédagogiques réflexives et une évaluation structurée ;
- soutenir le développement professionnel et la reconnaissance des enseignants dans toute l'Europe.

Le processus s'adresse en particulier aux enseignants en exercice et aux futurs enseignants en formation initiale et favorise la collaboration ainsi que l'apprentissage entre pairs.

Structure du processus de certification

Les enseignants suivent une procédure progressive de compte rendu et d'évaluation, qui comprend les étapes suivantes :

1. Co-crédation en équipe

- Les candidats doivent constituer une équipe d'au moins deux enseignants afin de co-concevoir un plan d'apprentissage et de créativité STEAME.
- Chaque candidat fournit, dans sa demande initiale, des informations sur son contexte professionnel (matière enseignée, niveau, établissement, etc.).

2. Élaboration et soumission du plan

- L'équipe soumet au format PDF un plan d'apprentissage et de créativité finalisé.
- Pour chacun des 14 modules STEAME disponibles sur la plateforme, les candidats doivent réfléchir à la manière dont les éléments ont été intégrés dans leur plan L&C (jusqu'à 50 mots par module).

3. Mise en œuvre en classe

- Le plan L&C doit être mis en œuvre avec des élèves au cours d'une série de séances.
- Les candidats indiquent le nombre d'élèves concernés ainsi que les dates exactes de mise en œuvre.
- Les preuves de mise en œuvre sont présentées sous forme de photographies ou de vidéos.

4. Autorisations parentales

- Les enseignants doivent confirmer qu'ils disposent des autorisations parentales nécessaires pour tout contenu photo ou vidéo transmis.
- Dans le cas contraire, ils doivent fournir une déclaration de confidentialité signée.

5. Retours des élèves et réflexion

- Les retours des élèves sont recueillis à l'aide d'un ensemble standardisé de questions portant sur quatre domaines principaux :
 - pertinence du projet par rapport à des situations réelles ;
 - Clarté des méthodes et expérience du travail en équipe
 - autonomie des élèves et appropriation de leur apprentissage ;
 - intérêt et motivation à long terme pour poursuivre des apprentissages en STEAME ;
- les données brutes, anonymisées, doivent être transmises au format Excel ;
- chaque enseignant rédige une réflexion à partir de ces retours.

6. Auto-évaluation

- Les candidats évaluent leurs propres pratiques à l'aide d'un référentiel de compétences complet portant sur :
 - Contextualisation des projets STEAME
 - Qualité méthodologique et soutien à l'apprentissage
 - autonomie des élèves et accompagnement ;
 - Innovation et durabilité dans l'enseignement STEAME

Chaque domaine de compétences comporte des descripteurs de performance répartis sur trois niveaux. Les candidats doivent :

- sélectionner le descripteur correspondant à leur niveau ;
- justifier leur auto-évaluation par écrit (jusqu'à 50 mots par critère).

Évaluation et validation

Une fois soumis, le dossier complet est évalué par des évaluateurs de la Fédération ou, le cas échéant, d'une académie régionale STEAME. L'évaluation prend en compte :

- la qualité du plan L&C ;
- les preuves de mise en œuvre en classe ;
- les retours et l'engagement des élèves ;
- l'exhaustivité et la précision de l'auto-évaluation.

Les candidats qui satisfont aux critères du référentiel de compétences reçoivent la certification d'enseignant-facilitateur STEAME. Celle-ci peut également contribuer à leur évolution de carrière ou à une reconnaissance complémentaire.

Remarque : tant que le système complet de soumission en ligne n'est pas finalisé, les rapports sont traités manuellement à l'aide de modèles téléchargeables. Une fois le système achevé, l'ensemble de la procédure sera intégré à la plateforme STEAME.

6.2 Programme de mentorat - fonctionnalités pour les mentors et les mentorés

Le programme de mentorat STEAME est un dispositif structuré intégré à la plateforme. Il vise à favoriser le développement professionnel en mettant en relation des enseignants STEAME expérimentés (mentors) avec des enseignants en début de carrière ou des futurs enseignants

(mentorés). Le système prend en charge l'inscription, la vérification, l'approbation et la publication des profils de manière structurée.

Objectif du système de mentorat

Ce programme vise à :

- offrir aux futurs enseignants un accompagnement pratique dans la mise en œuvre des approches STEAME ;
- favoriser la transmission des connaissances entre enseignants expérimentés et nouveaux entrants ;
- Renforcer la communauté STEAME en encourageant la collaboration et l'entraide

Le programme repose sur deux rôles principaux :

- Mentors - enseignants en exercice expérimentés ou formateurs d'enseignants dans les disciplines STEAME
- Mentorés - futurs enseignants, enseignants débutants ou enseignants en exercice souhaitant être accompagnés dans l'intégration de STEAME

Fonctionnalités principales

Le système est composé de trois éléments clés :

1. Page de présentation des mentors

Les mentors approuvés figurent dans un annuaire public que les mentorés peuvent consulter. Chaque profil de mentor comprend :

- Nom, affiliation, pays
- Domaines d'expertise ou d'intérêt (par exemple, disciplines STEAME, sujets de mentorat)
- possibilité pour les futurs enseignants de manifester leur intérêt pour une prise de contact

Cela favorise la visibilité et l'accessibilité des mentors dans toutes les régions.

2. Formulaire d'inscription des mentors et procédure d'approbation

Les enseignants souhaitant devenir mentors remplissent un formulaire d'inscription spécifique et fournissent :

- Coordonnées complètes et affiliation
- Formation et expérience en enseignement
- Domaines dans lesquels ils peuvent encadrer
- Consentement à apparaître sur la liste publique des mentors

Le système comporte également les fonctionnalités techniques suivantes :

- un courrier électronique est automatiquement envoyé à l'administrateur après chaque soumission ;
- un code de vérification sécurise la procédure de soumission ;
- Un message dynamique apparaît après la saisie du code : "Vérification du code, veuillez patienter..."
- les métadonnées de la soumission sont enregistrées de manière sécurisée dans les champs de métadonnées ;
- l'administrateur peut approuver ou refuser un mentor à l'aide d'une interface de modération.

3. Formulaire d'inscription des mentorés

Les mentorés s'inscrivent au moyen d'un formulaire simple et structuré qui demande :

- Nom, adresse e-mail, institution (le cas échéant) et domaine(s) d'intérêt
- Préférence facultative pour un mentor spécifique

Principales étapes de la procédure :

- après l'envoi du formulaire et la confirmation de l'adresse e-mail au moyen du code de vérification, le mentoré est automatiquement approuvé ;
- aucune intervention manuelle de l'administrateur de la plateforme n'est nécessaire à ce stade ;
- un courrier électronique de confirmation est envoyé au mentoré et sa demande devient active dans le système ;
- le mentoré reçoit un mot de passe associé à son adresse e-mail afin de pouvoir revenir ultérieurement sur la page s'il ne trouve pas de mentor approprié lors de sa première visite.

Cette procédure simple favorise une participation plus large tout en garantissant la traçabilité grâce à la vérification de l'adresse e-mail.

Les inscriptions des mentors et des mentorés déclenchent également une notification aux administrateurs de la plateforme, ce qui leur permet de suivre efficacement la procédure.

Processus de mise en relation (logique actuelle)

Une fois les mentors et les mentorés enregistrés dans le système :

- les mentorés peuvent consulter librement la liste des mentors approuvés et choisir la personne avec laquelle ils souhaitent entrer en contact ;
- les coordonnées directes du mentor ne leur sont toutefois pas communiquées ;
- le mentoré utilise à la place un formulaire de contact intégré à la plateforme pour envoyer une demande. Le message est transmis :
 - Le mentor sélectionné
 - L'équipe administrative de la Fédération

Ce dispositif garantit que le premier contact s'effectue de manière sécurisée et encadrée.

Le mentor choisit ensuite s'il souhaite donner suite à la demande.

- S'il accepte, il peut répondre directement au mentoré par courrier électronique.
- Le mentor n'est pas tenu de mettre la Fédération en copie : après le premier contact, les échanges restent privés, ce qui préserve l'autonomie et la confidentialité des participants.

Cette approche garantit :

- des mises en relation encadrées et fondées sur le consentement ;
- la protection des données et le respect du RGPD ;
- la liberté pour les mentors de décider de s'engager ou non, tout en maintenant un premier contact professionnel.

Le système permet aussi bien aux mentorés d'initier eux-mêmes une prise de contact qu'aux administrateurs d'aider à la mise en relation lorsque cela est nécessaire, ce qui offre souplesse et évolutivité.

Annexe 3.1 - Formulaire d'inscription des mentors

EUROPEAN FEDERATION OF
STEAM
TEACHER FACILITATOR ACADEMIES

Home About the Federation Observatory News Events Contact Us

Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of school, URL website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please Type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science

☐ Technology

☐ Engineering

☐ Arts

☐ Mathematics

☐ Entrepreneurship

Select All

Upload Photo (required)

Choose File No file chosen

Accepted file types: jpg, png, gif. Max. file size: 5 MB.

Upload bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship

☐ Internship Collaboration

☐ Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?

☐ Associate partner of the project STEAM-Academy

☐ Private

☐ Public

☐ School (Any grades within K-12)

☐ Higher Education

☐ Training Centre

☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Annexe 3.2 – Programme de mentorat – Fonctionnalité du mentoré

Mentees Form

Mentee Form

Full Name (Required)	Affiliation(name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

 Click the "Send Code" button to receive a verification code via email.
 If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
☐ Associate partner of the project STEAME-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12?)
☐ Higher Education
☐ Training Centre
☐ Other

Mentorship Type (Required)

- ☐  Online Mentorship
☐  Internship Collaboration
☐  Co-creation towards STEAME Certification



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Annexe 3.3 - Programme de mentorat – Affichage des mentors

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Display Mentors

Display Mentors

Email (required)

Please Type Verification Code (required)

Enter your email to receive a verification code and view the mentor list

Search mentors... Mathematics All Types All Languages

Gregoris Makrides
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

[View Profile](#)

Annexe 3.4 - Programme de mentorat – Affichage de la biographie des mentors

EUROPEAN FEDERATION OF
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Display Ment

Email (required)

Enter your email to receive a verification code

Search mentors... Mathematics All Types All Languages

Gregoris Makrides

First Name: Gregoris, Last Name: Makrides, Affiliation: University of the National Education Commission, City of Work: Krakow, Country of Work: Poland, Language: English, Professional Field: Mathematics and STEAME Education

Bio
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

6.3 Plans d'apprentissage et de créativité

La section « Plans d'apprentissage et de créativité » (plans L&C) de la plateforme STEAME constitue une banque numérique de plans de cours interdisciplinaires fondés sur des projets et alignés sur le cadre pédagogique STEAME (sciences, technologie, ingénierie, arts, mathématiques et entrepreneuriat). Ces ressources sont élaborées par des enseignants, testées lors de phases pilotes et mises à disposition afin de soutenir leur mise en œuvre en classe auprès de différents groupes d'âge et niveaux d'enseignement.

Objectif de la section

Cette section vise à :

- mettre à disposition des plans de cours prêts à l'emploi pour les enseignants des disciplines STEAME ;
- encourager l'interdisciplinarité en présentant des exemples qui combinent plusieurs disciplines dans des activités d'apprentissage cohérentes ;
- soutenir les enseignants engagés dans le parcours de certification STEAME, pour lequel la création et la mise en œuvre d'un plan L&C constituent une exigence essentielle ;
- favoriser la collaboration, la créativité et l'innovation dans les classes européennes.

Chaque plan met l'accent sur l'ancrage dans des situations réelles, le travail en équipe, l'apprentissage actif et la mise en œuvre de l'approche STEAME au moyen d'un projet structuré.

Principales caractéristiques et structure

Les enseignants qui consultent la section « Plans d'apprentissage et de créativité » peuvent :

- parcourir l'ensemble de la bibliothèque des plans publiés ;
- filtrer les plans selon :
 - Catégories de matières (par exemple, sciences, mathématiques, ingénierie, arts, etc.)
 - Tranche d'âge (par exemple 10 à 14 ans, 14 à 18 ans ou niveaux spéciaux)
 - **Langue**
 - **Auteur**
- consulter les informations détaillées de chaque plan, notamment :
 - Titre et code du plan (par exemple, « ST53 – L'avenir de l'énergie »)
 - groupe d'âge cible et disciplines concernées
 - nom de l'auteur et établissement
 - Brève description et objectifs d'apprentissage
 - Accès au plan téléchargeable complet ou à un aperçu
- utiliser les options de filtrage avancées pour trouver des plans correspondant à des thèmes, des pays ou des contextes éducatifs spécifiques.

Chaque plan fait l'objet d'une évaluation par les pairs ou d'une expérimentation au cours de son élaboration, afin de garantir un niveau de qualité et une bonne adéquation avec les principes pédagogiques STEAME.

Utilisation dans le cadre de la certification et dans l'enseignement au quotidien

Pour les enseignants engagés dans le parcours de certification STEAME, choisir ou créer un plan d'apprentissage et de créativité constitue une étape obligatoire. Ces plans servent à la fois :

- de modèle pour concevoir des activités interdisciplinaires ;
- de document à soumettre dans le cadre de la mise en œuvre en classe et de la collecte des retours des élèves.

Pour l'ensemble des enseignants, la banque de plans L&C constitue une source d'inspiration qui les aide à intégrer l'approche STEAME dans des situations de classe concrètes grâce à des exemples pratiques et adaptés à l'âge des élèves.

Annexe 4 - Plans d'apprentissage et de créativité



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All videos available in the Resources below are available in 9+ languages subtitles.
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PS: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a School

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Age Levels

Language

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Regional Academies



PS1- Finding science and mathematics in art of Salvatore Dali-EN



PS2- Discovering Antoni Gaudi-EN



PS3- Eco multi-use cube from reused water plastic bottles-EN



PS4- Sound proof panels from reused polyester fabric waste-EN



PS5- Water filter ecological straw-EN



PS6- Research- AI tools in education-EN



PS7- Exploring and presenting AI tools within school assignments-EN



PS8- Escape Room in the classroom-EN



PS9- Four triangle centres and the Euler Line-EN



PS10- Programming through gamification-EN



PS11- Weather in my city-EN



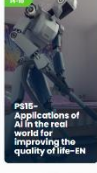
PS12- Eco-Innovation. Designing a Sustainable Product using Chat GPT-EN



PS13- Ancient Greek inventors - Exploring and Recreating Technology-EN



PS14- Sustainable Tourism in Rhodes-EN



PS15- Applications of AI in the real world for improving the quality of life-EN



PS16- The Spread of Infectious Diseases-EN



PS17- Handling Data in the context of Climate Change-EN



PS18- Using Simple Linear programming -EN



PS19- Sweet Hive Venture-EN



PS20- Art Studio-EN


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6.4 Académies régionales et nationales

La section « Académies STEAME régionales et nationales » présente le réseau croissant d'académies STEAME établies en Europe et au-delà. Placées sous la coordination de la Fédération STEAME et soumises à ses normes de qualité, ces académies servent de pôles nationaux ou régionaux pour la formation des enseignants, le mentorat, la certification et la diffusion des pratiques pédagogiques STEAME.

Objectif de la section

Cette section vise à :

- cartographier la répartition géographique des académies STEAME actives dans les différents pays ;
- donner de la visibilité aux acteurs régionaux qui soutiennent la mise en œuvre locale du cadre STEAME ;
- aider les enseignants et les établissements à prendre contact avec l'académie la plus proche afin d'accéder à la certification, à la formation et au soutien de la communauté ;
- encourager la création de nouvelles académies régionales sous l'égide de la Fédération.

Cette section s'inscrit dans la vision plus large du projet STEAME : étendre la transformation de l'éducation en favorisant l'appropriation et l'adaptation au niveau local dans un cadre européen structuré.

Principales caractéristiques et structure

La section comprend :

6.4.1 Listes de pays

Une liste des pays participants dans lesquels des académies STEAME régionales sont déjà actives ou en cours de création. Pour chaque pays, un lien peut donner accès à des informations complémentaires sur l'académie, telles que :

- institution hôte
- Point de contact
- langue de travail
- Programmes actifs et activités locales STEAME

Les pays actuellement concernés sont notamment la Belgique, la Bulgarie, Chypre, la Grèce, la Pologne, le Portugal, la Roumanie et l'Espagne. La liste devrait s'allonger à mesure que de nouvelles académies seront approuvées.

6.4.2 Demande de création d'une nouvelle académie

Les organisations - par exemple les écoles, centres de formation des enseignants, ONG ou universités - qui souhaitent créer une nouvelle académie STEAME dans leur région peuvent introduire une demande via la plateforme. La section comprend :

- un appel à l'action clair pour créer une académie STEAME régionale ;
- un bouton « Postuler maintenant » menant au formulaire de candidature ou à la procédure de soumission.

Ces demandes sont examinées par la Fédération conformément aux lignes directrices et aux objectifs du projet.

6.4.3 Invitation à devenir membre de la Fédération

Outre la création d'une académie, les établissements peuvent également demander à devenir membres de la Fédération. Une option distincte « Devenir membre », assortie de son propre bouton « Postuler maintenant », est prévue à cet effet.

Résumé du processus

6. Les enseignants qui consultent la plateforme peuvent identifier leur académie nationale ou régionale et solliciter son soutien.
7. Les établissements peuvent demander la création d'une académie lorsqu'il n'en existe pas encore dans leur région, contribuant ainsi à élargir l'écosystème STEAME.
8. Le mentorat et la certification sont souvent organisés par l'intermédiaire de ces académies, qui constituent des points de contact locaux pour la mise en œuvre des programmes.

Annexe 5 - Académies régionales et nationales

Annexe 5.1 - Académies régionales et nationales



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REGIONAL/NATIONAL
LEVEL STEAME
ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A
REGIONAL
STEAME
ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

APPLY NOW

BECOME A
MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

APPLY NOW



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Annexe 5.2 - Formulaire pour créer une Académie régionale



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization
☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *
Select an option

Website of the organization *
Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *
Choose file No file chosen

NEXT

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Remarques

* Les fonctionnalités signalées par un astérisque (*) seront mises en ligne pendant la durée du projet.

Liens utiles

- Voir tous les mentors disponibles pour les mentorés (avec fonction de recherche) : <https://federation-steame-academies.eu/display-mentors/>
- Formulaire d'inscription des mentorés : <https://federation-steame-academies.eu/mentees-form/>
- Formulaire d'inscription des mentors : <https://federation-steame-academies.eu/mentors-form/>

POLISH



AKADEMIA NAUCZYCIELI-FACYLITATORÓW STEAME

Numer referencyjny: 101102619

Okres realizacji: od 1 czerwca 2023 r. do 31 maja 2026 r.

WP4

D4.2 Internetowe Obserwatorium Europejskich Akademii Nauczycieli STEAME: Narzędzie

Główny partner odpowiedzialny za realizację:

Cyprus Mathematical Society

www.steame-academy.eu



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Opublikowano dnia: 27 maja 2025

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1. WPROWADZENIE

Internetowe Obserwatorium Europejskich Akademii Nauczycieli STEAME służy jako centralna infrastruktura cyfrowa wspierająca skoordynowane działania Regionalnych i Krajowych Akademii STEAME w całej Europie. Jest to realizacja finansowanego przez UE projektu EUROPEJSKIEJ AKADEMII NAUCZYCIELI FACYLITATORÓW STEAME, którego celem jest wspieranie edukacji interdyscyplinarnej poprzez wzmacnianie nauczycieli poprzez szkolenia, zasoby, certyfikację i struktury współpracy zakorzenione w metodologii STEAME - Nauka, Technologia, Inżynieria, Sztuka, Matematyka i Przedsiębiorczość.

Podręcznik ten zapewnia kompletny przełot platformy znajdującej się pod adresem: <https://federation-steame-academies.eu> <https://federation-steame-academies.eu/>

Jego celem jest kierowanie edukatorami, menedżerami STEAME, instytucjonalnymi koordynatorami STEAME oraz partnerami projektowymi poprzez pełną funkcjonalność platformy. Wyjaśnia on procesy:

- Nawigacji po publicznych i zamkniętych (dla członków) obszarach serwisu.
- Rejestracji nowych akademii STEAME.
- Dostępu do planów uczenia się i kreatywności STEAME (Plany L&C: STEAME Learning and Creativity Plans) oraz ich przesyłania.
- Składania wniosków i zarządzania ścieżkami certyfikacji nauczycieli.
- Uczestnictwa w programach mentorskich.
- Zgłaszania wydarzeń i udostępniania aktualności szerszej społeczności STEAME.
- Zapewnienia zgodności z RODO we wszystkich przesyłanych materiałach.

Obserwatorium działa zarówno jako repozytorium zasobów, jak i ekosystem współpracy. Jego narzędzia umożliwiają widoczność i połączenie między instytucjami, zapewniając jednocześnie edukatorom ustrukturyzowane możliwości zaangażowania poprzez znormalizowane formularze, interaktywne katalogi i ścieżki rozwoju zawodowego.

Podręcznik ten został podzielony według sekcji platformy i obejmuje:

- Strukturę nawigacji
- Cele i funkcjonalności poszczególnych sekcji.
- Zrzuty ekranu stanowiące materiał poglądowy.
- Instrukcje krok po kroku dla wszystkich formularzy interaktywnych.
- Informacje o partnerach oraz dane kontaktowe.

2. DOSTĘP DO PLATFORMY I NAWIGACJA

Obserwatorium STEAME jest dostępne pod adresem: <https://federation-steame-academies.eu>
<https://federation-steame-academies.eu/>

Platforma jest publicznie dostępna i zoptymalizowana dla nowoczesnych przeglądarek internetowych, w tym Google Chrome, Mozilla Firefox, Microsoft Edge i Safari.

Główne menu nawigacyjne

Zlokalizowane na górze każdej strony główne menu nawigacyjne pozwala użytkownikom na łatwy dostęp do wszystkich sekcji publicznych i interaktywnych. Dostępne są następujące pozycje menu:

1. **Strona główna (Home)** – Strona główna ładowania platformy, podkreślająca misję, wiadomości i kluczowe działania Federacji STEAME.
2. **Federacja (Federation)** – Szczegółowa sekcja opisująca strukturę, wizję i kluczowe elementy Federacji Akademii STEAME.
3. **Obserwatorium STEAME** – Centralny punkt z linkami do wszystkich głównych funkcji platformy, w tym:
 - Akademie regionalne/krajowe.
 - Plany uczenia się i kreatywności.
 - Ścieżki certyfikacji nauczycieli.
 - Program Mentoringowy.
 - Zgłoś swoją akademię.
 - Zgłoś swoje wydarzenie.
4. **Aktualności i Wydarzenia (News & Events)** – Lista aktualnych ogłoszeń, publikacji i nadchodzących wydarzeń.
5. **Kontakt (Contact)** – Bezpośredni link do formularza kontaktowego platformy i zgody RODO.

Użytkownicy mogą również uzyskać dostęp do podsekcji za pomocą menu rozwijanego, jeśli są dostępne.

Dostęp do formularzy zgłoszeniowych

Podczas gdy większość platformy jest publiczna, niektóre działania (np. rejestracja akademii, składanie imprezy lub przesyłanie ścieżki certyfikacji) wymagają, aby użytkownicy wypełniali formularze online. Są one dostępne poprzez linki na odpowiednich stronach w sekcji Obserwatorium STEAME.

Dostępność

Strona internetowa reaguje i można ją oglądać na pulpitach, tabletach i smartfonach.

- Prosty interfejs z jasnymi nagłówkami.
- Standaryzowane układy formularzy.
- Zoptymalizowana szybkość ładowania dla wszystkich typów połączeń.

3. PRZEGLĄD STRONY GŁÓWNEJ FEDERACJI

<https://federation-steame-academies.eu>

1. Główny nagłówek i menu nawigacyjne

Opis: Na górze strony znajduje się główne menu nawigacyjne platformy, z linkami do wszystkich głównych obszarów, w tym:

- *Strona główna.*
- *O Federacji* (z podstronami: Profil, Statut, Zarząd, Członkowie).
- *Obserwatorium.*
- *Aktualności i biuletyny.*
- *Zdarzenia i zgłoszenia.*
- *Kontakt.*

Cel: Zapewnienie użytkownikom spójnego, zawsze dostępnego dostępu do pełnej struktury platformy.

2. Blok tytułu platformy

Opis: Eksponuje nazwę „European Federation of STEAME Teacher Facilitators Academies” wraz z podtytułem wskazującym na europejski zasięg projektu.

Cel: Natychmiastowe przekazanie informacji, że jest to formalna inicjatywa wspierana przez UE, skupiona na edukacji STEAME.

3. Sekcja wideo promocyjnego (Video Pitch)

Opis: Pole zachęcające użytkowników do obejrzenia krótkiego filmu promocyjnego (poniżej 150 sekund) przedstawiającego cel i wizję Federacji.

Cel: Zaoferowanie szybkiego, angażującego wprowadzenia dla nowych odwiedzających — idealne do użycia w prezentacjach lub podczas wdrażania nauczycieli.

4. Przyciski dostępu / kluczowe obszary działania

Opis: : Zestaw dużych klikalnych boksów prowadzących bezpośrednio do głównych narzędzi platformy:

- Komunikacja i webinaria dotyczące edukacji STEAME.
- Wniosek o utworzenie Regionalnej Akademii STEAME.
- Link do oficjalnej strony projektu STEAME- ACADEMY.

Cel: Natychmiastowe skierowanie użytkowników do priorytetowych działań i zasobów zewnętrznych.

5. Sekcja Obserwatorium Platformy STEAME

Opis: Krótki akapit informacyjny zatytułowany "Obserwatorium Platformy STEAME" informacyjny przedstawia kluczowe funkcje platformy obserwatorium, takie jak:

- darmowe zasoby,
- wsparcie certyfikacyjne dla nauczycieli,
- dostęp do akademii regionalnych,
- mentoring.

Cel: Zapowiedź funkcjonalności Obserwatorium i zachęcenie nauczycieli do odkrywania narzędzi.

6. Sekcja: Academy Access Links

Opis: Dwa odnośniki tekstowe zapewniające dostęp do:

- Europejskiej Akademii Federacji STEAME.
- Sieci Regionalnych / Krajowych Akademii STEAME.

Cel: Ułatwienie edukatorom i przedstawicielom instytucji zlokalizowania akademii w poszczególnych regionach i nawiązania kontaktów ze wsparciem lokalnym.

7. Sekcja Aktualności

Opis: Prezentacja trzech ostatnich wpisów wiadomości z ich tytułami i linkami

Cel: Dzielenie się aktualizacjami i zachowanie przejrzystości działań, etapów pośrednich i zaangażowania społeczności w całej Europie.

8. Sekcja Wydarzenia

Opis: Prezentacja najnowszych nadchodzące lub minione wydarzeń związane z Federacją i siecią Akademii STEAME.

Cel: Informowanie zainteresowanych stron i angażowanie się w kalendarz wydarzeń, warsztatów i konferencji.

9. Formularz subskrypcji biuletynu

Opis: Formularz e-mail pozwalający odwiedzającym subskrybować regularne aktualności projektu.

Cel: Zbudowanie bazy kontaktowej i kanału komunikacyjnego do wymiany zasobów, możliwości i ogłoszeń.

10. Klauzula informacyjna o finansowaniu z UE

Opis: Standardowy tekst wyjaśniający status finansowania UE i zwolnienie z odpowiedzialności prawnej.

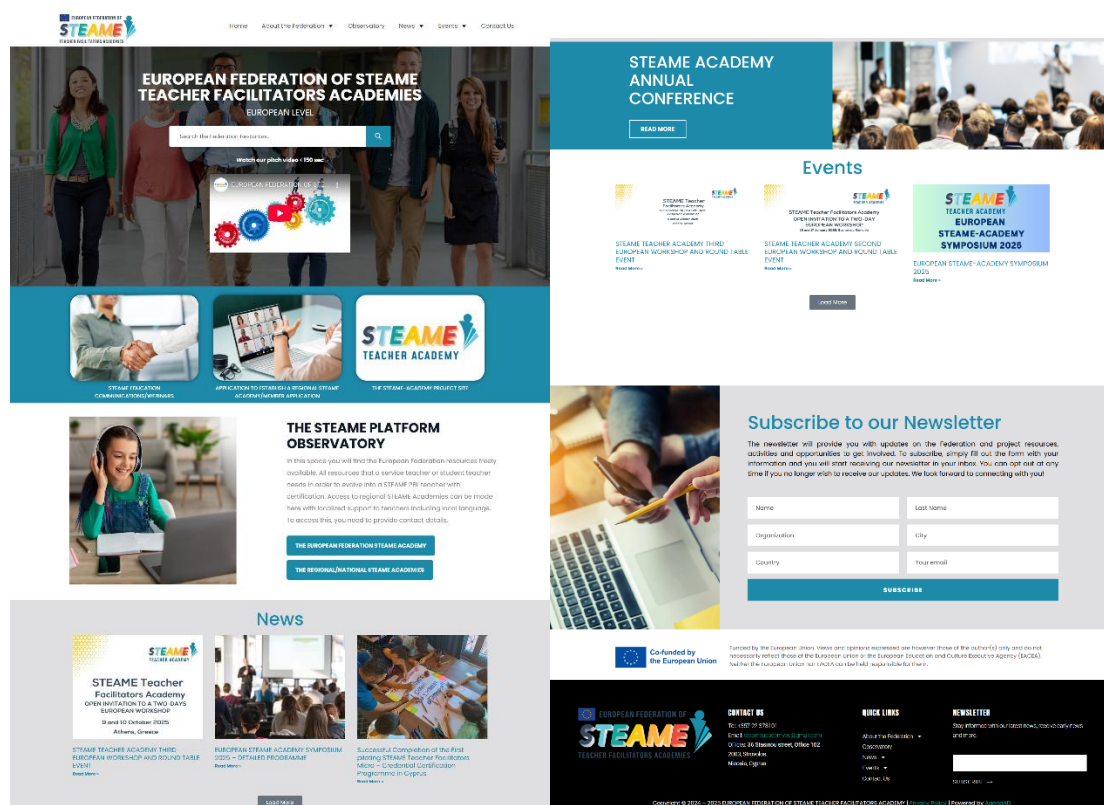
Cel: Uznanie wsparcia UE i wyjaśnienie, że treść odzwierciedla wyłącznie poglądy autorów.

11. Sekcja Stopki

Opis: Zapewnia szybkie łącza nawigacyjne, informacje kontaktowe i zaproszenie do subskrypcji.

Cel: Ułatwienie odnalezienia kluczowych stron z dowolnego miejsca w witrynie.

Dodatek 1 – Platforma – nawigacja i sekcje



4. STRONA GŁÓWNA OBSERWATORIUM STEAME

Strona główna Obserwatorium STEAME, podstawowej przestrzeni funkcjonalnej platformy, zapewnia dostęp do narzędzi i formularzy do przesyłania treści, ubiegania się o certyfikację, uczestniczenia w mentoringu i przeglądanie dostępnych akademii, planów i wydarzeń. Ta sekcja jest dynamiczna i zaprojektowana zarówno dla czynnych zawodowo nauczycieli, jak i studentów kierunków nauczycielskich:

<https://federation-steame-academies.eu/the-platform-observatory/>

1. Menu nagłówka i kontekstu

Opis: Sekcja zawierająca obszar podnawigacji kontekstowej, pozwalająca na dostęp do powiązanych narzędzi i funkcji, takich jak:

- O projekcie.
- Certyfikacja nauczycieli STEAME.
- Program mentoringowy.
- STEAME Komunikacja edukacyjna.
- Czasopismo STEAME.
- Akademie.
- Wydarzenia.
- Aktualności.
- Zasoby Federacji.
- Przydatne linki i materiały.
- Rezultaty projektu.

Cel: Zapewnienie użytkownikom szybkiego dostępu do wszystkich funkcjonalnych elementów platformy z jednego miejsca. Każdy link prowadzi do innego zasobu lub formularza zgłoszeniowego.

2. Nagłówek: "Obserwatorium Platformy"

Opis: Pogrubiony nagłówek wprowadza użytkownika do sekcji Obserwatorium, w postaci funkcjonalnego centrum współpracy edukacyjnej.

Cel: Sygnał dla użytkowników, że jest to punkt wyjścia do zbadania wszystkich narzędzi - certyfikacji, planów, wydarzeń, mentoringu i wiele innych.

3. Odnośnik do: Regionalne / Krajowe STEAME Akademie

Opis: Przycisk "Regionalne / Krajowe STEAME Akademie" z dużą strzałką skierowaną w prawo.

Cel: Odesłanie użytkowników do katalogu akademii regionalnych i krajowych, do których mogą się przyłączyć lub skontaktować, w oparciu o ich obszar geograficzny.

4. Formularz kontaktowy i dostępu (wymagane pola)

Opis: Podczas otwierania się strony głównej Obserwatorium pojawia się (pop-up window) formularz danych osobowych zgodny z RODO-, z prośbą o następujące wymagane informacje:

- Pełna nazwa.
- E-mail.
- Kraj (spadek ze wszystkimi krajami na świecie).
- Miasto.
- Pole wyboru zgody RODO.

Cel: Umożliwienie nauczycielom, studentom lub zainteresowanym nawiązanie kontaktu z platformą, w szczególności w kontekście kontaktów z akademiami regionalnymi lub osób zainteresowanych certyfikacją.

Formularz umożliwia dostęp do spersonalizowanej pomocy lub do kontaktu e-mail w zależności od kraju i regionu.

5. Liczniki wskaźników projektu

Opis: Wiersz liczników pokazuje cztery wskaźniki projektu (obecnie wartości "0", ewentualnie dynamiczne):

- Liczba krajów.
- Liczba Akademii.
- Liczba języków.
- Liczba planów uczenia się i kreatywności (Plany L&C).

Każdy z nich jest oznaczony "do dnia 15 stycznia 2025 r".

Cel: Przekazywanie w przejrzysty sposób postępów platformy. Pomoc w zrozumieniu etapu realizacji i rozwoju inicjatywy.

6. Sekcja Zasobów Federacji

Opis: Szczegółowy akapit wyjaśnia cel Federacji - szkolenie nauczycieli, promowanie uczenia się w oparciu o ideę STEAME oraz budowa europejskiej sieci akademii. Podkreśla on powiązania z Erasmus + i długoterminową wizją transformacji edukacyjnej.

Cel: Podkreślenie kontekstu ideologicznego i zawodowego platformy - pokazanie, że jest to nie tylko narzędzie, ale strategiczna inicjatywa na rzecz kształtowania przyszłości edukacji STEAME w Europie.

7. Europejska Certyfikacja Nauczyciela Facylitatora STEAME (Micro- Poświadczenia)

Opis: Blok tekstowy wprowadza ścieżkę certyfikacji i wyjaśnia, jak użytkownicy mogą uzyskać certyfikat:

- poprzez regionalną (krajową) akademię,
- lub przez Federację, jeśli regionalna akademia nie istnieje.

Poniżej znajduje się przycisk call-to-action oznaczony "APLIKUJ TERAZ" z napisem "Prześlij raport online (narzędzie w trakcie tworzenia)".

Cel: Pomoc nauczycielom STEAME lub Kandydatom w uzyskaniu formalnego uznania zawodowego w ramach Federacji.

8. Sekcja Przydatnych Linków (trzy podsekcje)

Opis: Podzielony według rodzaju odbiorców, każdy Odsyłający do zasobów zewnętrznych:

- **Czynni Nauczyciele** - STEAME w edukacji szkolnej.
- **Studenci (przyszli nauczyciele)** - szkolnictwo wyższe - kształcenie wyższe – dedykowane linki.
- **Uczniowie** - Narzędzia kompetencyjne, filmy do nauki.

Cel: Zapewnienie ukierunkowanych linków i narzędzi edukacyjnych dla różnych typów odbiorców korzystających z platformy.

9. Sekcja Programu mentorskiego

Opis: Dwie podsekcje

- "Zostań mentorem STEAME" - zapraszający doświadczonych nauczycieli do zostania mentorem przyszłego nauczyciela.
- "Znajdź mentora STEAME dla mnie" - zapraszający przyszłych nauczycieli do uzyskania wsparcia mentorskiego.

Cel: Zbudowanie długoterminowej, struktury mentorskiej łączącej doświadczenie z nauką.

10. Subskrypcja biuletynu (dolna sekcja)

Opis: Duplikat głównego formularza zapisu na Biuletyn Federacji: Nazwa, Email, Organizacja, Miasto, Kraj.

Cel: Rozwijanie listy kontaktów z Federacją i informowanie użytkowników o aktualizacjach i możliwościach.

Dodatek 2 - Strona Główna Obserwatorium STEAME



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THE PLATFORM OBSERVATORY

REGIONAL/NATIONAL LEVEL STEAM ACADEMIES



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Countries

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Academies

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Languages

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Learning & Creativity Plans

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Useful Links



SCHOOL SERVICE TEACHERS
We have more than 1000 STEAMers in the network. If you are interested in STEAM, you can find us on our LinkedIn



STUDENT TEACHERS-HIGH SCHOOL
If you are interested in STEAM, you can find us on our LinkedIn



SCHOOL STUDENTS
If you are interested in STEAM, you can find us on our LinkedIn

Mentoring Programme



Become a STEAME Mentor
We are looking for experienced teachers to mentor our STEAMers. If you are interested, please contact us on our LinkedIn



Find a STEAME Mentor for me
If you are a STEAMer and you are looking for a mentor, please contact us on our LinkedIn



Subscribe to our Newsletter

The newsletter will provide you with updates on the latest news, events, and opportunities. It will also provide you with the latest news on the STEAM platform. If you are interested, please contact us on our LinkedIn.

Name	Last Name
Registration	City
Country	Your email

SUBSCRIBE

The Federation Resources

The STEAME Teacher Academy is a platform for teachers to share their resources and experiences. It is a place where teachers can find inspiration and ideas for their classrooms. If you are interested, please contact us on our LinkedIn.

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EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION

The STEAME Teacher Facilitator Certification is a platform for teachers to share their resources and experiences. It is a place where teachers can find inspiration and ideas for their classrooms. If you are interested, please contact us on our LinkedIn.

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5. AKTUALNOŚCI I WYDARZENIA

1. Podstrona Aktualności

Strona Aktualności na platformie STEAME poświęcona jest publikowaniu oficjalnych wiadomości, ogłoszeń oraz raportów z działalności Federacji i jej partnerów, m.in. do:

- Informowania na temat osiągniętych celów projektu, zakończonych i nadchodzących wydarzeń, nowych zasobów i publikacji.
- Prezentacji wpływu działalności Federacji w całej Europie.
- Utrzymanie przejrzystości i regularnego przepływu komunikacji z edukatorami, partnerami i szerszą społecznością.

Treść tej strony jest polecana i publikowana przez zespół Federacji. Działa jako centralne archiwum dla wszystkich głównych wiadomości związanych z europejską inicjatywą STEAME Teacher Academies.

2. Podstrona Wydarzenia

Strona Wydarzenia koncentruje się na promowaniu przyszłych działań, takich jak:

- Prowadzonych przez Federację warsztatów, sympozjów i wydarzeń typu „round table”
- Kluczowych europejskich lub krajowych spotkań związanych z edukacją STEAME.
- Ważnych terminów szkoleń nauczycieli, uczestnictwa w akademiach lub rozpowszechniania projektu.

Strona ma pomóc użytkownikom w planowaniu obecności w wydarzeniach, ma informować o wydarzeniach i możliwościach rozwoju zawodowego. Wydarzenia są publikowane albo przez członków Federacji, albo w przyszłości, poprzez wpisy zweryfikowanych użytkowników.

3. Zgłoszenie zdarzenia związanego ze STEAME*

Platforma udostępni wkrótce funkcjonalność „Community Event Submission”, która umożliwi nauczycielom, przedstawicielom Akademii STEAME oraz innym uczestnikom proponowanie wydarzeń bezpośrednio za pośrednictwem platformy. Chociaż funkcjonalność ta jest obecnie w budowie, jest ona przeznaczona do wspierania udziału obywateli i zwiększenia widoczności lokalnych inicjatyw STEAME.

Założenia funkcjonalności:

- Umożliwienie dzielenia się zdarzeniami związanymi z STEAME, takimi jak warsztaty szkolne, szkolenia prowadzone przez naukowców, konkursy interdyscyplinarne i konferencje edukacyjne
- Formularz zgłoszeniowy zawierający wymagane pola, w tym:
 - Tytuł zdarzenia.
 - Opis.
 - Data i godzina.
 - Lokalizacja (fizyczna lub internetowa).
 - Widownia docelowa.
 - Dane kontaktowe organizatora.
- Proces moderowania i zatwierdzania zgłoszonych wydarzeń:
 - Nadesłane propozycje zostaną poddane przeglądowi przez zespół administracyjny Federacji w celu zapewnienia zgodności z celami edukacyjnymi STEAME.
 - Tylko zatwierdzone wydarzenia zostaną opublikowane i umieszczone w kalendarzu wydarzeń platformy.

- Przed zatwierdzeniem można skontaktować się z uczestnikami w celu uzyskania wyjaśnień lub dodatkowych informacji.

Planowana funkcjonalność znacznie zwiększy możliwości budowania społeczności, dając edukatorom w całej Europie kanał do promowania ich własnej działalności. Wpisuje się ona w cel Federacji STEAME, jakim jest wspieranie widoczności współpracy, zaangażowania lokalnego oraz innowacji w ramach edukacyjnych STEAME.

4. Podstrona Newsletters

Zawiera wydania biuletynów Federacji, publikowane w regularnych odstępach czasu. Służy do:

- Podsumowanie wiadomości, osiągnięć i nadchodzących możliwości.
- Zapewnienie wygodnego formatu wymiany aktualizacji z innymi serwisami.
- Dostarczanie informacji o projekcie zainteresowanym podmiotom, nawet jeśli nie odwiedzają oni często strony internetowej Federacji.

Biuletyny są archiwizowane w ciągu roku i mogą być ściągane w formacie PDF, co pozwala edukatorom i partnerom instytucjonalnym śledzić rozwój projektu w czasie.

6. NARZĘDZIA OBSERWATORIUM STEAME

6.1 Ścieżka Certyfikacji Nauczyciela Facylitatora STEAME (W przygotowaniu)*

Platforma Federacji STEAME jest w trakcie uruchamiania ustrukturyzowanej ścieżki certyfikacji dla nauczycieli, której celem jest uznanie ich zdolności do projektowania i wdrażania interdyscyplinarnych, opartych na projekcie działań edukacyjnych STEAME. Certyfikacja ta zostanie przyznana w formie mikro poświadczenia i jest zgodna z ramami opartymi na kompetencjach opracowanymi na poziomie europejskim.

Cel certyfikacji

Celem procesu certyfikacji jest:

- Wyposażenie nauczycieli w doświadczenie w edukacji STEAME.
- Potwierdzenie ich zdolności do tworzenia i stosowania interdyscyplinarnych planów uczenia się i kreatywności (Plany L&C).
- Promowanie wyróżniających się praktyk nauczania i oceny.
- Wspieranie rozwoju zawodowego i uznawania edukatorów w całej Europie.

Proces ten jest szczególnie dostosowany do potrzeb czynnych nauczycieli i studentów – przyszłych nauczycieli, promując współpracę i wzajemne uczenie się.

Struktura procesu certyfikacji

Nauczyciele będą przechodzili stopniowo proces sprawozdawczości i oceny, który obejmuje następujące kluczowe elementy:

1. Współtworzenie w zespole

- Kandydaci muszą utworzyć zespół składający się z co najmniej dwóch nauczycieli w celu wspólnego zaprojektowania STEAME Planu L&C.
- w ramach składanego wniosku każda osoba z zespołu przedstawia swoje doświadczenie dydaktyczne (przedmiot, poziom, instytucja itp.)

2. opracowanie i przesłanie planu

- Zespół przedstawia ukończony plan uczenia się i kreatywności (plan L&C) w formacie PDF.
- W przypadku każdego z 14 modułów STEAME dostępnych na platformie kandydaci muszą opisać, w jaki sposób elementy zostały włączone do ich planu L&C (do 50 słów na moduł).

3. Wdrożenie w klasie

- Plan L&C musi zostać wdrożony wraz z uczniami w ramach ciągu lekcji.
- Kandydaci zgłaszają liczbę zaangażowanych studentów oraz dokładne daty wdrożenia planu.
- Dowód wdrożenia jest przedstawiany w formie fotografii lub filmów wideo.

4. Zgody rodziców

- Nauczyciele muszą potwierdzić, czy uzyskali zezwolenie rodzicielskie dla każdego przedstawionego dowodu wdrożenia.
- Jeżeli nie, muszą dostarczyć podpisane oświadczenie o ochronie danych osobowych.

5. Informacja zwrotna i refleksja

- Informacje zwrotne od uczniów gromadzone są przy użyciu standardowego zestawu pytań dotyczących czterech kluczowych obszarów:
 - Znaczenie projektu w życiu rzeczywistym.
 - Przejrzystość metod i doświadczenia pracy zespołowej.
 - Sprawczość ucznia i poczucie własności procesu uczenia się.
 - Zainteresowanie oraz długofalowa motywacja do dalszego uczenia się w modelu STEAME.
- Dane surowe (anonimowe) muszą być przekazywane w formacie Excel.
- Każdy nauczyciel musi zastanowić się nad tą informacją na piśmie.

6. Samoocena

- Kandydaci muszą ocenić swoje wyniki na podstawie kompleksowych ram kompetencji obejmujących:
 - Kontekstualizacja projektów STEAME.
 - Jakość metodologiczna i wsparcie kształcenia.
 - Agencja studencka i trenowanie.
 - Innowacje i zrównoważony rozwój w nauczaniu STEAME.

Każdy obszar kompetencji zawiera deskryptory wydajności na trzech poziomach, a wnioskodawcy muszą:

- Wybierać deskryptor, który odzwierciedla ich poziom.
- Uzasadnić pisemnie swoją samoocenę (do 50 słów na kryterium).

Ocena i walidacja

Po złożeniu pełnego sprawozdania zostaną zweryfikowane przez oceniających w ramach Federacji (lub Regionalnej Akademii STEAME, w stosownych przypadkach).

- Jakość planu L&C.
- Dowód wdrożenia klasy.
- Informacje zwrotne i zaangażowanie studentów.
- Komplementarność i dokładność samooceny.

Wnioskodawcy, którzy spełniają standardy określone w ramach kompetencji, otrzymają certyfikat Nauczyciela Facylitatora STEAME, który może być również wykorzystany do wspierania rozwoju kariery lub dalszej akredytacji.

Uwaga: Do czasu sfinalizowania pełnego systemu składania zgłoszeń online, ocena jest obsługiwana ręcznie przy użyciu szablonów do pobrania. Po zakończeniu proces zostanie w pełni zintegrowany z platformą STEAME.

6.2 Program mentoringu - Funkcjonalność mentora i mentee

Program mentoringu STEAME to ustrukturyzowany system w ramach platformy mającej na celu wspieranie rozwoju zawodowego poprzez połączenie doświadczonych nauczycieli STEAME (mentorów) z czynnymi nauczycielami lub przygotowującymi się do zawodu nauczyciela (mentees). System jest w pełni zintegrowany i zapewnia usprawniony proces rejestracji, weryfikacji, zatwierdzania i publicznego notowania.

Cel systemu mentoringu

Program ten ma na celu:

- Ułatwianie praktycznego poradnictwa nauczycielom w zakresie wdrażania metodologii STEAME.
- Promowanie transferu wiedzy między doświadczonymi edukatorami a nowymi uczestnikami.
- Wzmocnienie społeczności STEAME poprzez zachęcanie do współpracy i wzajemnego wsparcia.

Program składa się z dwóch głównych ról:

- Mentorzy - Doświadczeni czynni zawodowo nauczyciele lub trenerzy w dyscyplinach STEAME.
- Mentees – osoby przygotowujące się do zawodu nauczyciela lub nauczyciele poszukujących wsparcia w integracji STEAME.

Funkcjonalność podstawowa

System składa się z trzech kluczowych elementów:

1. Strona prezentująca dostępnych mentorów

Autoryzowani mentorzy są umieszczani w publicznym katalogu, w którym osoby szukające mentora mogą przeglądać dostępne profile. Każdy z nich zawiera:

- Imię, afiliację, kraj.
- Obszary wiedzy specjalistycznej (np. dyscypliny STEAME, tematy mentoringu).
- Możliwość zgłoszenia przez przyszłych nauczycieli chęci nawiązania kontaktu

Promuje to widoczność i dostępność mentorów we wszystkich regionach.

2. Formularz zgłoszeniowy dla mentora i procedura autoryzacji

Nauczyciele, którzy chcą zostać mentorami wypełniają dedykowany formularz rejestracyjny Mentora, zawierający:

- Pełne dane kontaktowe i afiliacje.
- Opis doświadczenie zawodowego.
- Proponowane obszary mentoringu.
- Zgoda na pojawienie się na publicznej liście mentorów.

System posiada następujące funkcjonalności:

- Po złożeniu formularza wysyłane jest automatyczne zgłoszenie e-mail do administratora.
- Osoba wypełniająca formularz musi podać kod weryfikacyjny (wysyłany e-mailem), który potwierdza jej uprawnienie lub autentyczność zgłoszenia.
- System sprawdza kod przed przyjęciem formularza.
- Przesyłane dane są bezpiecznie przechowywane w polach post meta.
- Wnioski mogą być zatwierdzane lub odrzucane przez administratora przy użyciu interfejsu moderowania (podobne do interfejsu zatwierdzeń komentarzy).

3. Formularz zgłoszenia osoby poszukującej mentora

Osoby poszukujące mentora rejestrują się przy użyciu prostego formularza, która wymaga:

- Nazwa, adres e-mail, instytucja (jeżeli istnieje) oraz obszar (-y) zainteresowania.
- Opcjonalne wskazanie konkretnego mentora.

Kluczowe szczegóły procesu:

- Po złożeniu formularza i pomyślnym potwierdzeniu ich e-mail za pomocą kodu weryfikacyjnego osoby poszukujące mentora jest automatycznie zatwierdzana.
- Na tym etapie administrator platformy nie jest zobowiązany do ręcznej interwencji.
- Potwierdzenie wiadomości e-mail są wysyłane do osoby poszukujące mentora, a ich żądanie staje się aktywne w systemie.
- Osoba poszukująca mentora otrzymuje hasło, które wraz z ich adresem e-mail, pozwala ponownie odwiedzić stronę, w przypadku gdy nie znajdą odpowiedniego mentora przy pierwszym zarejestrowaniu.

Prosty i łatwy proces zgłoszenia zachęca do szerszego udziału, a jednocześnie zapewnia wiarygodność dzięki weryfikacji adresu e-mail.

Oba typy zgłoszeń skutkują powiadomieniami e-mail do administratorów platformy, umożliwiając im skuteczne zarządzanie procesem.

Proces dopasowywania (bieżąca logika)

Osoby poszukujące mentora:

- mogą swobodnie przeglądać zatwierdzoną listę mentorów i wybrać mentora,
- nie otrzymują bezpośrednio informacji kontaktowych mentora,
- używają formularza kontaktowego na platformie, aby wysłać wniosek do
 - wybranego mentora,
 - zespołu administracyjnego Federacji.

Gwarantuje to, że wszystkie pierwsze komunikaty zostaną zainicjowane w sposób bezpieczny i pod nadzorem.

Mentorzy po podjęciu decyzji.

- Odpowiadają bezpośrednio osobie zainteresowanej poprzez email.
- Mentor nie jest zobowiązany do CC Federacji - odpowiedź jest prywatna, zachowanie autonomii i prywatności po pierwszym kontakcie.

Takie podejście zapewnia:

- Wstęp kontrolowany na podstawie zgody na przetwarzanie danych.
- Ochronę danych
- Wolność mentorów do podjęcia decyzji, przy jednoczesnym umożliwieniu kontaktu

System dopuszcza także pomoc administratora w znalezieniu odpowiedniego mentora.

Dodatek 3 - Program mentoringu - Funkcjonalność mentora i mentee

Dodatek 3.1 - Formularz rejestracyjny Mentorów



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Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of school, HLL website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science

☐ Technology

☐ Engineering

☐ Arts

☐ Mathematics

☐ Entrepreneurship

Select All

Upload Photo (required)

Choose file

No file chosen

Accepted file types: jpg, png, mp4. Max file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship

☐ Internship Collaboration

☐ Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?

☐ Associate partner of the project STEAM-Academy

☐ Private

☐ Public

☐ School (Any grades within 1-12)

☐ Higher Education

☐ Training Centre

☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Dodatek 3.2 - Program mentoringu - Funkcjonalność mentee



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

⚠ Click the "Send Code" button to receive a verification code via email.
! If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
- ☐ Technology
- ☐ Engineering
- ☐ Arts
- ☐ Mathematics
- ☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
- ☐ Associate partner of the project STEAME-Academy
- ☐ Private
- ☐ Public
- ☐ School (Any grades within 1-12?)
- ☐ Higher Education
- ☐ Training Centre
- ☐ Other

Mentorship Type (Required)

- ☐ Online Mentorship
- ☐ Internship Collaboration
- ☐ Co-creation towards STEAME Certification



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Dodatek 3.3 - Program mentoringu – Strona prezentująca dostępnych mentorów



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Display Mentors

Display Mentors

Email (required)
youremail@youremail.com

Please Type Verification Code (required)
980063

Enter your email to receive a verification code and view the mentor list

Mathematics▼All Types▼All Languages▼



Gregoris Makrides

Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

[View Profile](#)

Dodatek 3.4 - Program mentoringu – prezentacja informacji o Mentorze



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Display Ment

**Gregoris Makrides**

First Name	Last Name
Gregoris	Makrides
Affiliation	City of Work
University of the National Education Commission	Krakow
Country of Work	Language
Poland	English
Professional Field	
Mathematics and STEAME Education	
Bio	
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.	

Email (required)
youremail@youremail.com

Enter your email to receive a verification code

Mathematics▼All Types▼All Languages▼

6.3 Plany uczenia się i kreatywności (Plany L&C)

Plany uczenia się i kreatywności (plany L&C) w ramach platformy STEAME służą jako cyfrowe repozytorium interdyscyplinarnych, opartych na projektach planów lekcji, które są zgodne z ramami edukacyjnymi STEAME (Nauka, Technologia, Inżynieria, Sztuka, Matematyka i Przedsiębiorczość). Zasoby te są opracowywane przez edukatorów, oceniane za pomocą faz pilotażowych i udostępniane w celu wsparcia wdrażania w klasach w różnych grupach wiekowych i na różnym poziomie edukacyjnym.

Cel strony

Strona ta jest przeznaczona do:

- Udostępnienia gotowych do użycia planów lekcji dla nauczycieli pracujących w dyscyplinach STEAME.
- Zachęcanie do interdyscyplinarnego myślenia poprzez prezentowanie przykładów łączyących wiele tematów w spójne działania edukacyjne.
- Wsparcie nauczycieli uczestniczących w Ścieżce Certyfikacyjnej STEAME, gdzie stworzenie i zastosowanie planu L&C jest podstawowym wymogiem złożenia aplikacji.
- Promowanie współpracy, kreatywności i innowacji w europejskich klasach.

Cechy każdego planu to: problem „z życia wzięty”, praca zespołowa, aktywne uczenie się i stosowanie metodologii STEAME poprzez strukturyzowane projektowanie projektów.

Główne cechy i struktura

Edukatorzy uzyskujący dostęp do sekcji "Plany uczenia się i kreatywności" mogą:

- **Przeglądać pełną katalog opublikowanych planów**
- **Filtrować dostępne plany przez:**
 - Kategorie tematyczne (np. nauka, matematyka, inżynieria, sztuka itp.).
 - **Grupy wiekowa** (np. 10- 14, 14- 18 lub poziomy specjalne).
 - **Języki.**
 - **Autorów.**
- **Zobaczyć szczegóły każdego planu, w tym:**
 - Tytuł i kod planu (np. "ST53 - Przyszłość energii").
 - Docelowe grupy wiekowe i przedmioty nauczania.
 - Nazwisko autora i jego instytucje.
 - Krótki opis i cele edukacyjne.
 - Uzyskać dostęp do pełnego planu do pobrania lub podglądu.
- **Używać zaawansowanych opcji filtrowania**, aby znaleźć plany dotyczące konkretnych tematów, krajów lub ustawień edukacyjnych.

Każdy plan jest poddawany dokładnej ocenie lub pilotażowi podczas opracowywania, zapewniając poziom jakości i zgodności z zasadami nauczania STEAME.

Stosowanie w certyfikacji i nauczaniu dziennym

Dla nauczycieli aplikujących o Certyfikat STEAME stworzenie Planu L&C jest krokiem wymaganym. Spełniają dwie funkcje:

- stanowią szablon do opracowywania interdyscyplinarnych aktywności.
- są wymaganym elementem zgłoszenia, powiązanych z realizacją zajęć w klasie oraz uzyskaniem informacji zwrotnej od uczniów.

Dla wszystkich edukatorów repozytorium Planów L&C pomaga zintegrować metodologię STEAME z prawdziwymi, odpowiednimi do wieku scenariuszami lekcji.

Dodatek 4 - Plany uczenia się i kreatywności



HomeAbout the FederationObservatoryNewsEventsContact Us

THE FEDERATION RESOURCES

CategorySearch the Federation Resources...

All videos available in the Resources below are available in 9+ languages subtitles.
Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

Find a Resource

PE: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

Click HERE to view a full list of Learning & Creativity Plans

Regional Academies

SHOW RESULTS

Reset All

Category

European Level

Learning & Creativity Plans

Modules

Subcategory

Age Levels

Language

SHOW RESULTS

Reset All

10-16

PS1- Finding science and mathematics in arts of Solvatore Dali-EN

10-14

PS2- Discovering Antoni Gaudi-EN

10-14

PS3- Eco multi-use cube from reused water plastic bottles-EN

10-14

PS4- Sound proof panels from reused polyester fabric waste-EN

10-14

PS5- Water filter ecological straw-EN

14-16

PS6- Research AI tools in education-EN

14-16

PS7- Exploring and presenting AI tools within school assignments-EN

14-16

PS8- Escape Room in the classroom-EN

10-14

PS9- Four triangle centres and the Euler line-EN

14-16

PS10- Programming through gamification-EN

10-14

PS11- Weather in my city-EN

10-14

PS12- Eco-Innovation Designing a sustainable Product using Chat GPT-EN

10-16

PS13- Ancient Greek Innovators Exploring and Recreating Technology-EN

10-14

PS14- Sustainable Tourism in Rhodes-EN

14-16

PS15- Applications of AI in the real world for improving the quality of life-EN

14-16

PS16- The Spread of Infectious Diseases-EN

14-16

PS17- Handling Data in the context of Climate Change-EN

14-16

PS18- Using simple linear programming -EN

14-16

PS19- Sweet Hive Venture-EN

14-16

PS20- Art Studio-EN

123Next



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6.4 Akademie regionalne i krajowe

Strona Regionalnych i Krajowych Akademii STEAME na platformie prezentuje rozwijającą się sieć lokalnych Akademii STEAME utworzonych w całej Europie i poza jej granicami. Akademie te działają pod koordynacją Federacji STEAME i zgodnie z jej standardami jakości. Pełnią funkcję krajowych lub regionalnych ośrodków zajmujących się szkoleniem nauczycieli, mentoringiem, certyfikacją oraz upowszechnianiem praktyk związanych z nauczaniem STEAME.

Cel strony

Strona służy do:

- prezentowania geograficznego rozmieszczenia aktywnych Akademii STEAME w poszczególnych krajach;
- zapewnienia widoczności regionalnym podmiotom wspierającym lokalne wdrażanie modelu STEAME;
- kierowania nauczycieli i instytucji do najbliższej Akademii, aby mogli uzyskać dostęp do certyfikacji, szkoleń i wsparcia społeczności STEAME;
- zachęcania do tworzenia nowych Akademii regionalnych pod auspicjami Federacji.

Strona ta wpisuje się w szerszą wizję projektu STEAME: skalowania transformacji edukacyjnej poprzez umożliwienie lokalnym podmiotom przejęcia odpowiedzialności za wdrażanie modelu i jego dostosowywanie do lokalnych warunków, przy jednoczesnym zachowaniu spójnych europejskich ram.

Główne cechy i struktura

Podstrona zawiera:

6.4.1 Wykazy krajów

Lista krajów, w których działają lub są tworzone Regionalne Akademie STEAME. Przy każdym kraju mogą znajdować się szczegółowe informacje dotyczące Akademii, takie jak:

- instytucja;
- kontakt;
- język działalności;
- realizowane programy i lokalne działania STEAME.

Obecnie zaangażowane są między innymi: Belgia, Bułgaria, Cypr, Grecja, Polska, Portugalia, Rumunia i Hiszpania. Lista będzie rozszerzana wraz z zatwierdzaniem kolejnych Akademii.

6.4.2 Wniosek o utworzenie nowej Akademii

Organizacje, takie jak szkoły, ośrodki doskonalenia nauczycieli, organizacje pozarządowe czy uniwersytety, które chcą utworzyć nową Akademię STEAME w swoim regionie, mogą zrobić to za pośrednictwem platformy.

Sekcja zawiera:

- wyraźny przycisk „Utwórz Regionalną Akademię STEAME”;
- przycisk „Aplikuj teraz”, prowadzący do formularza lub procedury składania wniosku.

Wnioski są rozpatrywane przez Federację zgodnie z określonymi wytycznymi i celami projektu.

6.4.3 Zaproszenie do członkostwa w Federacji

Niezależnie od możliwości utworzenia Akademii, instytucje mogą również ubiegać się o członkostwo w Federacji STEAME. W tym celu dostępna jest osobna opcja „Zostań członkiem” wraz z przyciskiem „Aplikuj teraz”.

Podsumowanie procesu

1. Nauczyciele odwiedzający platformę mogą znaleźć swoją krajową lub regionalną Akademię STEAME i skontaktować się z nią w celu uzyskania wsparcia.
2. Instytucje mogą zgłaszać wnioski o utworzenie nowych Akademii w regionach, w których jeszcze ich nie ma, przyczyniając się do rozwoju ekosystemu STEAME.
3. Mentoring i certyfikacja są często realizowane za pośrednictwem Akademii, które stanowią lokalne punkty kontaktowe odpowiedzialne za wdrażanie programu.

Dodatek 5 - Akademie regionalne i krajowe

Dodatek 5.1 - Akademie regionalne i krajowe



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- Events ▾
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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

[APPLY NOW](#)

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

[APPLY NOW](#)



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EUROPEAN FEDERATION OF
STEAME
TEACHER FACILITATORS ACADEMIES

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Dodatek 5.2 - Formularz utworzenia Akademii Regionalnej



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization
☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *
Select an option

Website of the organization *
Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *
Choose file No file chosen

NEXT



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Uwagi

* Funkcjonalność wskazana w * pojawi się w trakcie trwania projektu.

Przydatne linki

- Zobacz wszystkich mentorów dla mentee (funkcjonalność wyszukiwania): <https://federation-steame-academies.eu/display-mentors/>
- Składanie formularzy mentee: <https://federation-steame-academies.eu/mentees-form/>
- Składanie formularza Mentora: <https://federation-steame-academies.eu/mentors-form/>

SPANISH



STEAME TEACHER FACILITATORS ACADEMY

Número de referencia: 101102619

Período de aplicación: 10 de junio de 2023 a 31 de mayo de 2026

WP4

D4.2 Observatorio Web de las Academias Europeas de Profesorado STEAME: La herramienta

Socio líder disponible: Cyprus Mathematical Society

www.steame-academy.eu



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Publicado el: 27 Mayo 2025

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1. INTRODUCCIÓN

El Observatorio Web de las Academias Europeas de Profesorado STEAME u Observatorio STEAME es la infraestructura digital central que apoya las actividades coordinadas de las academias regionales y nacionales STEAME en Europa. Es un entregable del proyecto europeo *STEAME Teacher Facilitators Academy*, el cual fue diseñado para promover la enseñanza interdisciplinar mediante la capacitación, los recursos, la certificación y las estructuras colaborativas.

Este manual constituye una presentación completa de la plataforma, la cual está ubicada en: <https://federation-steame-academies.eu/>

Su objetivo es guiar a los educadores, los directores de academias STEAME, los coordinadores institucionales STEAME y los socios de proyectos a través de las funcionalidades de la plataforma. Se explica cómo:

- Navegar por las áreas públicas y privadas del sitio web
- Registrar nuevas academias STEAME
- Acceder y enviar planes de clase STEAME
- Aplicar y gestionar vías de certificación de docentes
- Participar en programas de orientación
- Presentar eventos y compartir actualizaciones con la comunidad STEAME más amplia
- Garantizar el cumplimiento de la ley de protección de datos en los contenidos

El Observatorio constituye un repositorio de recursos y un ecosistema colaborativo. Sus herramientas permiten la visibilidad y la conexión entre instituciones, al tiempo que brinda a los educadores oportunidades de participación estructurada mediante acciones estandarizadas, directorios interactivos y vías de desarrollo profesional.

Este manual está organizado por las secciones de la plataforma y por tanto incluye:

- Estructura de navegación
- Objetivos y funcionalidad de las secciones
- Capturas de pantalla para referencia visual
- Instrucciones paso a paso para todas las partes interactivas
- Información de contacto

2. ACCESO A LA PLATAFORMA Y NAVEGACIÓN

El Observatorio STEAME es accesible desde la siguiente dirección web: <https://federation-steame-academies.eu/>

La plataforma está disponible públicamente y optimizada para los navegadores web actuales, incluyendo Google Chrome, Mozilla Firefox, Microsoft Edge, y Safari.

Navegación principal

Situado en la parte superior de cada página, el menú de navegación principal permite acceder fácilmente a todas las secciones públicas e interactivas.

1. Inicio – La página principal de la plataforma, donde se explica la misión, las noticias y las acciones centrales de la Federación de Academias STEAME.
2. Federación – Una sección detallada que describe la estructura, visión y componentes clave de la Federación de Academias STEAME.
3. Observatorio STEAME – El centro de la página, con enlaces a todas las funciones principales de la plataforma, incluyendo:
 - Academias regionales/nacionales
 - Planes de clase
 - Itinerarios de certificación docente
 - Programa de mentoría
 - Presentar su academia
 - Presentar su evento
4. Noticias y eventos – Una lista de anuncios, publicaciones y próximas actividades.
5. Contacto – Enlace directo al contacto de la plataforma y el formulario de consentimiento de protección de datos (GDPR).

Los usuarios también pueden acceder a subsecciones utilizando los menús desplegables allá donde estén disponibles.

Acceso a los envíos

Aunque la mayor parte de la plataforma es pública, ciertas funciones (por ejemplo, registrar una academia, enviar un evento o subir una vía de certificación) requieren que los usuarios completen formularios en línea. Estos son accedidos a través de enlaces en las páginas pertinentes bajo la sección del Observatorio STEAME.

Accesibilidad

El sitio web es adaptable y se puede visualizar en escritorios, tabletas y teléfonos inteligentes. Las consideraciones de accesibilidad incluyen:

- Interfaz sencilla con encabezados claros
- Diseños de formularios estandarizados
- Velocidades de carga optimizadas para todos los tipos de conexión

3. DESCRIPCIÓN GENERAL DE LA PÁGINA DE INICIO

<https://federation-steame-academies.eu>

1. Encabezado y menú de navegación

Descripción: La parte superior de la página cuenta con el menú de navegación principal de la plataforma, con enlaces a todas las áreas principales incluyendo:

- *Inicio*
- *Acerca de la Federación* (con subpáginas: Perfil, Estatuto, Junta Directiva, Miembros)
- *Observatorio*
- *Noticias*
- *Eventos*
- *Contacto*

Propósito: Proporcionar a los usuarios acceso constante y siempre disponible a la estructura completa de la plataforma.

2. Bloque de título

Descripción: Especialmente muestra el nombre “Federación Europea de Academias de profesorado STEAME”, junto con un subtítulo que indica el alcance europeo del proyecto.

Propósito: Comunicar inmediatamente que esta es una iniciativa formal y apoyada por la Unión Europea centrada en la enseñanza STEAME.

3. Sección Videos cortos

Descripción: Un recuadro que invita a los usuarios a ver un video promocional corto (menos de 150 segundos), el cual explica el propósito y la visión de la Federación.

Objetivo: Ofrecer los datos clave del proyecto de forma rápida y atractiva para nuevos visitantes a la página — ideal para su uso en presentaciones, divulgación o presentaciones al profesorado.

4. Botones de acceso rápido / áreas de acción clave

Descripción: Un conjunto de grandes botones que enlazan directamente a las herramientas básicas de la plataforma:

- Acciones de comunicación y seminarios sobre temática STEAME
- Formulario de solicitud de establecimiento de una Academia Regional STEAME
- Enlace al sitio oficial del proyecto STEAME-ACADEMY

Propósito: Guiar inmediatamente a los usuarios a acciones prioritarias para la federación y a recursos externos que apoyen la creación de academias locales, la capacitación y la divulgación.

5. Observatorio de la Plataforma STEAME

Descripción: Un breve párrafo informativo titulado “El Observatorio de la Plataforma STEAME” introduce las características principales de la plataforma, tales como:

- Recursos disponibles de forma gratuita
- Apoyo de certificación para maestros
- Acceso a las academias regionales
- Orientación localizada

Propósito: Prever la funcionalidad de la sección “Observatorio” y alentar al profesorado a explorar herramientas relevantes para su crecimiento y colaboración.

6. Enlaces importantes

Descripción: Dos enlaces de texto proporcionan acceso a:

- La Academia de la Federación Europea STEAME
- La red de academias regionales/nacionales STEAME

Objetivo: Guiar a educadores o representantes institucionales para localizar academias por región y establecer conexiones a nivel local.

7. Bloque de vista previa de noticias

Descripción: Mostrar las tres últimas noticias con sus títulos y enlaces

Propósito: Compartir actualizaciones y mantener la transparencia sobre actividades, hitos y compromiso comunitario en toda Europa.

8. Bloque de vista previa de eventos

Descripción: Muestra los eventos más recientes o pasados relacionados con la Federación de academias.

Propósito: Mantener a los interesados informados y comprometidos con el calendario de eventos, talleres y conferencias relacionados con el proyecto.

9. Formulario de suscripción al boletín informativo

Descripción: Un formulario de registro de correo electrónico que permite a los visitantes suscribirse al boletín informativo, el cual incluye actualizaciones del proyecto.

Propósito: Construir una vía de contacto y un canal de comunicación para compartir recursos, oportunidades y anuncios.

10. Información sobre financiación procedente de la UE

Descripción: Texto estándar que explica el estado financiero de la UE y su responsabilidad legal.

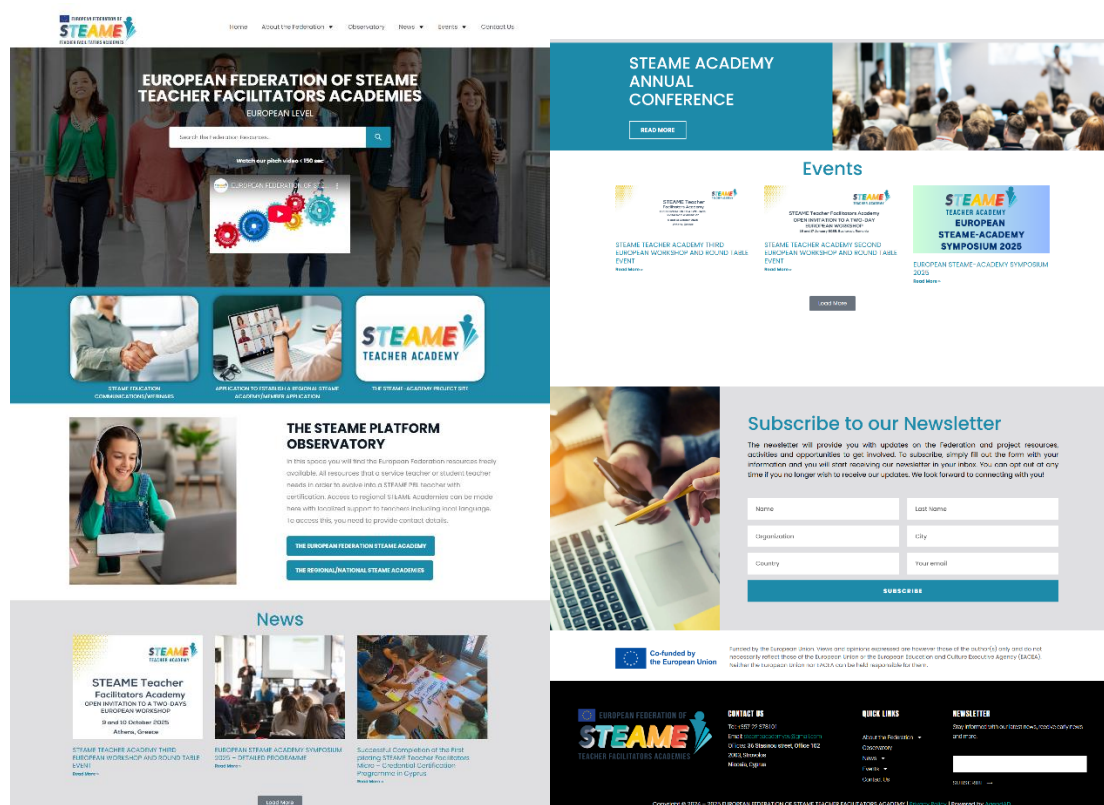
Propósito: Reconocer el apoyo de la UE y aclarar que el contenido refleja sólo las opiniones de los autores.

11. Pie de página

Descripción: Proporciona enlaces de navegación rápida, información de contacto y un aviso final para suscribirse.

Propósito: Para asegurar que los usuarios puedan encontrar fácilmente las páginas clave del sitio desde cualquier lugar y conectarse con la Federación para mayor participación.

Apéndice 1 - Acceso a la plataforma y navegación



4. PÁGINA DE INICIO DEL OBSERVATORIO STEAME

Esta página funciona como puerta de entrada al Observatorio STEAME, el espacio básico de la plataforma. Proporciona acceso a herramientas y formas de presentar contenidos, solicitar certificación, participar en mentorías y navegar por las academias, planes de clase y eventos disponibles. Esta sección es dinámica y está diseñada tanto para profesorado en ejercicio como para profesorado en formación. Se encuentra en la dirección web <https://federation-steame-academies.eu/the-platform-observatory/>

1. Encabezado superior y menú

Descripción: La página incluye un área de navegación contextual donde los usuarios pueden saltar a herramientas y características relacionadas tales como:

- Acerca del proyecto
- Certificación de docentes STEAME
- Programa de mentoría
- Comunicaciones sobre educación STEAME
- Revista STEAME
- Academias
- Eventos
- Noticias
- Recursos de la Federación
- Enlaces útiles y otros materiales

Propósito: Dar a los usuarios acceso rápido y organizado a todas las funcionalidades de la plataforma desde un solo lugar. Cada enlace conduce a un recurso diferente o formulario de solicitud.

2. Título principal

Descripción: Este encabezamiento introduce al usuario en la sección Observatorio, enmarcado como el núcleo funcional del sitio donde ocurre una colaboración educativa real.

Propósito: Indicar a los usuarios que este es el punto de partida para explorar todas las herramientas: certificación, planes, eventos, mentoría y más.

3. Acceso directo a las academias STEAME regionales o nacionales

Descripción: Un botón de flecha que dice “Academias regionales/nacionales STEAME”.

Propósito: Guiar a los usuarios hacia el mapa interactivo o el directorio de academias regionales y nacionales con las cuales pueden unirse o ponerse en contacto, basado en su zona geográfica.

4. Formulario de contacto

Descripción: Formulario de datos personales compatible con la ley de protección de datos (GDPR), solicitando la siguiente información requerida:

- Nombre completo
- Email
- País (menú desplegable con todos los países del mundo)
- Ciudad
- Botón de aceptación del tratamiento de datos personales

Propósito: Permitir que los docentes en ejercicio, en formación o los solicitantes de academias se identifiquen e inicien su contacto con la plataforma, en particular para conexiones regionales o intereses relacionados con la certificación de competencias docentes STEAME.

Esta sección actúa como una puerta para recibir orientación personalizada o para realizar seguimiento por correo electrónico basado en el país y/o la región.

5. Métricas del proyecto

Descripción: Una fila de contadores muestra cuatro métricas del proyecto sobre (actualmente en valores “0”, posiblemente dinámicos):

- Número de países participantes
- Número de academias registradas
- Número de idiomas disponibles
- Número de planes de clase en la plataforma

Cada uno está marcado “para el 15 de enero de 2025”.

Objetivo: Comunicar el progreso y el compromiso de la plataforma de manera transparente, ayudando a los usuarios a comprender el alcance y la etapa de desarrollo de la iniciativa.

6. Sección de recursos de la Federación

Descripción: Un párrafo detallado explica el propósito de la Federación: capacitar a docentes, promover el aprendizaje STEAME basado en proyectos, y construir una red europea de academias. Destaca las conexiones con Erasmus+ y la visión a largo plazo de la transformación educativa.

Objetivo: Dar contexto ideológico y profesional a la plataforma, mostrando que no es sólo una herramienta, sino una iniciativa estratégica para dar forma al futuro de la educación STEAME en Europa.

7. Certificación europea de facilitador docente STEAME (microcredencial)

Descripción: Un bloque de texto introduce la vía de certificación y explica cómo los usuarios pueden solicitarla:

- Ya sea a través de una academia local (regional)
- O, si no existe, directamente a través de la Federación

A continuación se encuentra un botón titulado “SOLICITAR AHORA” con posibilidad de “Enviar el informe en línea (EN CONSTRUCCIÓN)”.

Propósito: Orientar a los docentes de servicio o a los futuros docentes hacia el reconocimiento formal de sus competencias profesionales para la enseñanza STEAME dentro del marco de la Federación.

8. Secciones de enlaces útiles (Tres subsecciones)

Descripción: Sección de enlaces a recursos externos, dividida por el tipo de audiencia:

- Profesorado en ejercicio – STEAME en educación escolar
- Profesorado en formación – Educación Superior – Enlaces específicos de educación superior
- Estudiantes – Herramientas de Competencias, videos didácticos

Propósito: Proporcionar enlaces específicos y herramientas de aprendizaje para diferentes tipos de audiencia utilizando la plataforma.

9. Descripción general del programa de mentoría

Descripción: Incluye dos subsecciones:

- “Hazte mentor o mentora STEAME” – invitando a profesores de escuelas experimentados a ejercer de mentores
- “Encuentra un mentor o mentora STEAME para mí” – invitando al profesorado en formación a solicitar apoyo de mentores

Propósito: Construir una estructura de mentoría a largo plazo que vincule la experiencia de aula con el aprendizaje.

10. Suscripción al boletín

Descripción: Un duplicado del formulario de principal de suscripción al boletín informativo de toda la plataforma. Se requiere: Nombre, Email, Organización, Ciudad, País.

Objetivo: Aumentar la lista de divulgación de la Federación y mantener informados a los usuarios de las actualizaciones y oportunidades.

Apéndice 2 - Página principal del Observatorio STEAME



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up to 1000 teachers

Useful Links



SCHOOL SERVICE TEACHERS
If you are a teacher in a school, you are invited to STEAME in your school.



STUDENT TEACHERS - HIGH SCHOOL
If you are a student you can find us easily on our website STEAME in your school.



SCHOOL STUDENTS
If you are a student you can find us easily on our website STEAME in your school.

Mentoring Programme



Become a STEAME Mentor
You can be a mentor for a teacher in a school in your country or in another country. You can be a mentor for a teacher in a school in your country or in another country.



Find a STEAME Mentor for me
You can find a mentor for you in your country or in another country. You can find a mentor for you in your country or in another country.



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NAME	LAST NAME
ORGANISATION	CITY
COUNTRY	YOUR EMAIL

SUBSCRIBE

EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION

The STEAME Teacher Facilitator Certification is for teachers who are interested in becoming a teacher facilitator. The certification is for teachers who are interested in becoming a teacher facilitator. The certification is for teachers who are interested in becoming a teacher facilitator.

HOW TO APPLY

Co-funded by the European Union

STEAME TEACHER FACILITATOR ACADEMY

CONTACT US

EMAIL: info@steame.eu
PHONE: +352 20 20 20 20
WEBSITE: www.steame.eu
ADDRESS: 1000 Luxembourg

SOCIAL LINKS

FACEBOOK: <https://www.facebook.com/steameacademy>
TWITTER: <https://twitter.com/steameacademy>
YOUTUBE: <https://www.youtube.com/channel/UC1234567890>

Newsletter

Enter your email address

SUBSCRIBE

5. NOTICIAS Y EVENTOS

1. Sección de Noticias

La sección Noticias de la plataforma de la Federación STEAME está dedicada a publicar actualizaciones oficiales, anuncios e informes de progreso de la Federación y sus socios. Se utiliza para:

- Informar a los interesados sobre los hitos de los proyectos, los eventos terminados, los nuevos recursos y las publicaciones
- Mostrar el impacto de las actividades de la Federación en Europa
- Mantener la transparencia y un flujo regular de comunicación con educadores, socios y el público en general

El contenido de esta sección es comisariado y publicado por el equipo de la Federación. Actúa como archivo central para todas las actualizaciones principales relacionadas con la iniciativa europea STEAME Teacher Academies.

2. Sección de Eventos

La sección Eventos se centra en promover próximas actividades como:

- Talleres organizados por la Federación, simposios y mesas redondas de certificación
- Principales reuniones europeas o nacionales relacionadas con la educación STEAME
- Fechas importantes para la formación de maestros, la participación en la academia o la difusión de proyectos

La sección ayudará a los usuarios a planificar la asistencia, mantenerse informados y conectarse con oportunidades de desarrollo profesional. Los eventos son publicados por la Federación o, en el futuro, a través de contribuciones de usuarios verificados.

3. Presentación de eventos comunitarios

La plataforma pronto incluirá una función para solicitar la publicación de eventos de interés para la comunidad, la cual permitirá a los docentes, representantes de academias STEAME y otros colaboradores proponer eventos directamente a través de la plataforma. Aunque esta funcionalidad está actualmente en construcción, está diseñada para apoyar la participación de base y una mayor visibilidad de las iniciativas locales STEAME.

Se espera que la característica permita:

- Habilitar la participación de los eventos relacionados con STEAME como talleres escolares, cursos de formación organizados por las academias, concursos interdisciplinarios y conferencias
- Proporcionar un formulario de solicitud estandarizado con campos requeridos incluyendo:
 - Título del evento
 - Descripción
 - Fecha y hora
 - Ubicación (física o en línea)
 - Público objetivo
 - Información de contacto del organizador
- Incorporar un proceso de moderación y aprobación:
 - El equipo administrativo de la Federación examinará los eventos presentados para asegurar la alineación con los objetivos educativos STEAME

- Sólo los eventos aprobados serán publicados y aparecerán en el calendario de eventos públicos de la plataforma
- Los colaboradores pueden ser contactados para obtener aclaraciones o información adicional antes de la aprobación

Esta próxima funcionalidad ampliará significativamente las capacidades de construcción comunitaria de la plataforma, dando a los educadores de toda Europa un canal para promover sus propias actividades. Apoya el objetivo de la Federación STEAME de fomentar la visibilidad colaborativa, el compromiso local y la innovación liderada por maestros dentro del marco educativo STEAME más amplio.

4. Sección de boletín o *newsletter*

La sección *Newsletter* acoge ediciones descargables de los boletines de la Federación, publicados en intervalos regulares. Sirve para:

- Resumir noticias, logros y oportunidades futuras
- Proporcionar un formato conveniente para compartir actualizaciones con redes más amplias
- Permitir a los interesados mantenerse informados incluso si no visitan el sitio web con frecuencia

Los boletines anteriores son archivados por año y se pueden descargar en formato PDF, permitiendo a los educadores y socios institucionales seguir la evolución del proyecto en el tiempo.

6. HERRAMIENTAS DEL OBSERVATORIO STEAME

6.1 Itinerario de certificación para facilitadores docentes STEAME (en desarrollo)*

La plataforma de la Federación STEAME está en proceso de lanzar una vía de certificación para docentes, cuyo objetivo es reconocer sus capacidades de diseñar e implementar actividades de aprendizaje interdisciplinarias basadas en proyectos STEAME. Esta certificación se otorgará en forma de microcredencial y se alineará con un marco de competencias desarrollado a nivel europeo.

Finalidad de la certificación

El objetivo del proceso de certificación es:

- Dotar al profesorado de experiencia práctica en enseñanza STEAME
- Validar su capacidad para crear y aplicar planes de clase interdisciplinares
- Promover prácticas docentes reflexivas y evaluación estructurada
- Apoyar el desarrollo profesional y el reconocimiento del profesorado en toda Europa

El proceso se adapta especialmente a los docentes en ejercicio (aquellos que se encuentran ya trabajando) y a los docentes en formación (aquellos que no están trabajando aún), promoviendo la colaboración y el aprendizaje entre iguales.

Estructura del Proceso de Certificación

Los y las docentes pasarán por un proceso de presentación de informes y evaluación paso a paso, el cual incluye los siguientes componentes clave:

1. Co-Creación basada en el equipo

- Los solicitantes deben formar un equipo de al menos dos educadores para diseñar de forma colaborativa un Plan de clase STEAME.
- Cada solicitante proporciona su formación (asignatura, nivel, institución, etc.) como parte de la solicitud inicial.

2. Elaboración y presentación del plan

- El equipo presenta un plan completo de clase en formato PDF.
- Para cada uno de los 14 módulos STEAME disponibles en la plataforma, los solicitantes deben reflexionar sobre la forma en que los elementos se incorporaron en su plan (hasta 50 palabras por módulo).

3. Aplicación en el aula

- El Plan de clase debe implementarse con estudiantes a lo largo de varias lecciones.
- Los o las solicitantes informan del número de estudiantes involucrados, junto con las fechas exactas de aplicación.
- Se presentan fotografías o vídeos como evidencias de la aplicación del plan de clase.

4. Permisos parentales

- Los o las docentes deben confirmar si han obtenido permiso parental para cualquier documento o evidencia presentada.
- Si no, deben proporcionar una declaración de privacidad firmada.

5. Retroalimentación y reflexión

- Se deben presentar evidencias de la opinión del estudiantado sobre la experiencia. Estos comentarios se recopilan utilizando un conjunto estándar de preguntas que abordan cuatro áreas clave:
 - Importancia real del proyecto
 - Claridad de la metodología y experiencia en el trabajo en equipo
 - Agencia del estudiantado y empoderamiento sobre el aprendizaje
 - Interés y motivación a largo plazo para continuar con el aprendizaje STEAME
- Los datos brutos (anónimos) deben presentarse en formato Excel.
- Cada docente debe reflexionar sobre esta retroalimentación por escrito.

6. Autoevaluación

- Los candidatos o candidatas a la certificación deben evaluar su propio desempeño frente a un marco de competencias para la enseñanza STEAME el cual abarca:
 - Contextualización de proyectos STEAME
 - Calidad metodológica y apoyo al aprendizaje
 - Agencia del estudiantado
 - Innovación y sostenibilidad en la enseñanza de STEAME

Cada área de competencia contiene descriptores de desempeño a tres niveles, y los solicitantes deben:

- Seleccionar el descriptor que refleje su nivel
- Justificar su autoevaluación por escrito (hasta 50 palabras por criterio)

Evaluación

Una vez presentado, el informe completo será examinado por los evaluadores de la Federación (o una Academia Regional STEAME, cuando corresponda). La evaluación considerará:

- La calidad del Plan de clase
- Evidencias de su aplicación del aula
- Opinión y compromiso de los estudiantes
- Exhaustividad y exactitud de la autoevaluación

Los solicitantes que cumplan las normas indicadas en el marco de competencias docentes STEAME recibirán la certificación Facilitador de docencia STEAME, que también puede utilizarse para apoyar el desarrollo profesional o la acreditación posterior .

Nota: Hasta que se finalice el sistema completo de solicitud en línea, el informe se maneja manualmente utilizando plantillas descargables. Una vez completado, el proceso se integrará completamente en la plataforma STEAME.

6.2 Programa de mentoría

El Programa de mentores STEAME es un sistema estructurado dentro de la plataforma diseñado para fomentar el desarrollo profesional mediante la colaboración entre profesores experimentados STEAME (mentores) con docentes en su primer año de ejercicio (mentorados). El sistema está totalmente integrado y proporciona un proceso simplificado para el registro, verificación, aprobación y listado público de mentores y mentorados.

Propósito del Sistema de mentoría

Este programa tiene por objeto:

- Facilitar orientaciones prácticas a profesorado novel a medida que implementa metodologías STEAME
- Promover la transferencia intergeneracional de conocimientos entre educadores experimentados y nuevos participantes
- Fortalecer la comunidad STEAME fomentando la colaboración y el apoyo mutuo

El programa se basa en dos funciones básicas:

- Mentores – Profesores experimentados de servicio o profesorado en disciplinas STEAME
- Mentorados – Estudiantes o nuevos profesores, o profesores en ejercicio en busca de apoyo en la integración de metodologías STEAME

Funciones básicas

El sistema está compuesto por tres componentes clave:

1. Página de visualización de Mentor

Los mentores aprobados se listan en un directorio público donde los alumnos pueden navegar por los perfiles disponibles.

- Nombre, afiliación, país
- Áreas de experiencia o énfasis
- Opción para que los estudiantes de magisterio o formación del profesorado expresen interés en conectarse

Esto promueve la visibilidad y accesibilidad de los mentores/as en todas las regiones.

2. Formulario de presentación de mentores y aprobación

Los docentes que desean actuar como mentores rellenan un formulario de inscripción proporcionando lo siguiente:

- Datos completos de contacto y afiliación
- Formación y experiencia docente
- Áreas en las cuales puede ser mentor
- Consentimiento para aparecer en la lista de mentores públicos

El sistema incluye las siguientes características:

- Notificación automática por correo electrónico al administrador cuando se envía un formulario
- Seguridad del envío mediante verificación
- Un mensaje dinámico aparece después de la entrada del código: "Código verificador, por favor espere..."
- Los metadatos se almacenan de forma segura en los campos "post meta"

- Los mentores pueden ser aprobados o rechazados por el administrador usando una interfaz de moderación (similar a las aprobaciones de comentarios)

3. Formulario de presentación de reclamaciones

Los Mentorados o mentoradas se registran usando una forma simple y estructurada que pide:

- Nombre, correo electrónico, institución (si existe) y área(s) de interés
- Preferencia opcional para un mentor o mentora específico

Detalles clave del proceso:

- Al enviar el formulario y confirmar con éxito su correo electrónico mediante código de verificación, la solicitud se aprueba automáticamente
- No se requiere ninguna intervención manual del administrador de la plataforma en esta etapa
- Los correos electrónicos de confirmación se envían al solicitante, y su solicitud se activa en el sistema
- Se le da una contraseña para usar junto con su dirección de correo electrónico para poder volver a visitar la página en caso de que no encuentren un mentor adecuado la primera vez que se registre.

Esta entrada fomenta una participación más amplia y garantiza la rendición de cuentas mediante la verificación por correo electrónico.

Tanto las presentaciones de mentores como las de los mentorados se traducen en notificaciones de correo electrónico a los administradores de plataformas, permitiéndoles gestionar el proceso de manera eficiente.

Proceso de enlazado

Una vez que ambos mentores y mentorados están en el sistema:

- Los mentorados pueden navegar libremente por la lista de mentores aprobada y elegir un mentor en el cual están interesados
- Sin embargo, los alumnos no reciben directamente la información de contacto del mentor
- En cambio, el mentorado/a utiliza un formulario de contacto integrado en la plataforma para enviar una solicitud. Este mensaje se entrega a:
 - El mentor seleccionado
 - El equipo administrativo de la Federación

Esto garantiza que todas las primeras comunicaciones se inicien de forma segura y con supervisión.

Los mentores pueden elegir cómo proceder:

- Si el mentor está dispuesto a comprometerse, pueden responder directamente al solicitante de mentoría por correo electrónico.
- El mentor no está obligado a informar a la Federación — la respuesta es privada, preservando la autonomía y la privacidad después del contacto inicial

Este enfoque garantiza:

- Presentaciones controladas y basadas en el consentimiento

- Protección de datos y cumplimiento de la normativa GDPR
- Libertad para que los mentores decidan si quieren participar, manteniendo al mismo tiempo un primer punto de contacto profesional

El sistema apoya tanto las conexiones iniciadas por los aprendices como la combinación apoyada por los administradores cuando sea apropiado, ofreciendo flexibilidad y escalabilidad.

Apéndice 3 - Programa de tutoría – Función de la mentoría

Apéndice 3.1 - Formulario de registro de Mentores



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Mentors Form

Mentor Form

Name (required)
Surname (required)

Affiliation (name of school, HET, website) (required)

City of Work (required)
Country of Work (required)

Language (required)

Email (required)
Please type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)
Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Select All

Upload Photo (required)

Choose File
No file chosen

Accepted file types: jpg, png, gif. Max. file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship
☐ Internship Collaboration
☐ Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
☐ Associate partner of the project STEAME-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12)
☐ Higher Education
☐ Training Centre
☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Apéndice 3.2 - Programa de tutoría - Función del mentorado



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

 Click the "Send Code" button to receive a verification code via email.
 If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
- ☐ Technology
- ☐ Engineering
- ☐ Arts
- ☐ Mathematics
- ☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
- ☐ Associate partner of the project STEAME-Academy
- ☐ Private
- ☐ Public
- ☐ School (Any grades within 1-12?)
- ☐ Higher Education
- ☐ Training Centre
- ☐ Other

Mentorship Type (Required)

- ☐  Online Mentorship
- ☐  Internship Collaboration
- ☐  Co-creation towards STEAME Certification



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Apéndice 3.3 - Programa de mentores – Pantalla de Mentores

EUROPEAN FEDERATION OF
STEAME
TEACHER FACILITATORS ACADEMIES

Home About the Federation Observatory News Events Contact Us

Display Mentors

Display Mentors

Email (required)

Please Type Verification Code (required)

Enter your email to receive a verification code and view the mentor list

Search mentors... Mathematics All Types All Languages

Gregoris Makrides
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

[View Profile](#)

Apéndice 3.4 - Programa de mentores – Mentores

EUROPEAN FEDERATION OF
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TEACHER FACILITATORS ACADEMIES

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Display Ment

Email (required)

Enter your email to receive a verification code

Search mentors... Mathematics All Types All Languages

Gregoris Makrides

First Name: Gregoris, Last Name: Makrides, Affiliation: University of the National Education Commission, City of Work: Krakow, Country of Work: Poland, Language: English, Professional Field: Mathematics and STEAME Education

Bio
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

6.3 Planes de clase

La sección “Planes de clase” de la plataforma STEAME sirve como un repositorio digital de planes de lección interdisciplinares basados en proyectos alineados con el marco educativo STEAME (Science, Technology, Engineering, Arts, Mathematics, and Entrepreneurship). Estos recursos han sido elaborados por educadores, evaluados a través de fases de pilotaje, y se ponen a disposición para diferentes niveles educativos.

Propósito de la Sección

Esta sección está diseñada para:

- Proporcionar planes de clase listos para usar para docentes que trabajan en disciplinas STEAME
- Fomentar el pensamiento interdisciplinario mostrando ejemplos que combinan múltiples temas en actividades de aprendizaje integrado
- Los profesores que participan en la vía de certificación STEAME, donde la creación y aplicación de un Plan de clase es un requisito básico
- Promover la colaboración, la creatividad y la innovación en las aulas europeas

Cada plan enfatiza la relevancia en el mundo real, el trabajo en equipo, el aprendizaje activo y la aplicación de la metodología STEAME a través del diseño de un proyecto estructurado.

Características clave y estructura

Los educadores que acceden a la sección Planes de clase pueden:

- Examinar toda la biblioteca de planes publicados
- Filtrar los planes por:
 - Categorías de temas (por ejemplo, Ciencia, Matemáticas, Ingeniería, Artes, etc.)
 - Grupo de edad (por ejemplo 10 a 14, 14 a 18 años o niveles especiales)
 - Idioma
 - Autor
- Ver los detalles de cada plan, incluyendo:
 - Título y código del plan (por ejemplo, “ST53 – El futuro de la energía”)
 - Grupo de edad y temas curriculares
 - Nombre de autor e institución
 - Breve descripción y objetivos de aprendizaje
 - Acceso al plan total descargable o vista previa
- Utilizar opciones avanzadas de filtrado para encontrar planes relevantes para temas específicos, países o entornos educativos

Cada plan es revisado por pares o piloto durante el desarrollo, asegurando un nivel de calidad y alineamiento con los principios de enseñanza STEAME.

Uso en Certificación y Enseñanza diaria

Para los profesores que siguen la vía de certificación STEAME, seleccionar o crear un plan de clase es un paso requerido en el proceso. Estos planes sirven como:

- Plantilla para desarrollar actividades interdisciplinarias
- Requisito de documentación vinculada a la implementación en el aula y la retroalimentación de los estudiantes

Para todos los educadores, el repositorio de Planes de clase actúa como un trampolín creativo, ayudándoles a integrar la metodología STEAME en escenarios reales de aulas con ejemplos prácticos y adecuados a la edad.

Apéndice 4 - Planes de clase



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THE FEDERATION RESOURCES

Category

All videos available in the Resources below are available in 9+ languages subtitles. Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

Find a Resource

PE: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

Click HERE to view a full list of Learning & Creativity Plans

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Learning & Creativity Plans
Modules
Subcategory
Age Levels
Language
SHOW RESULTS
Reset All

Descending

Ascending

Most Viewed

Regional Academies



PS1- Finding science and mathematics in arts of Solvatore Dali-EN



PS2- Discovering Antoni Gaudi-EN



PS3- Eco multi-use cube from reused water plastic bottles-EN



PS4- Sound proof panels from reused polyester fabric waste-EN



PS5- Water filter ecological straw-EN



PS6- Research AI tools in education-EN



PS7- Exploring and presenting AI tools within school assignments-EN



PS8- Escape Room in the classroom-EN



PS9- Four triangle centres and the Euler line-EN



PS10- Programming through gamification-EN



PS11- Weather in my city-EN



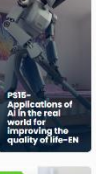
PS12- Eco-Innovation Designing a sustainable Product using Chat GPT-EN



PS13- Ancient Greek Innovators Exploring and Recreating Technology-EN



PS14- Sustainable Tourism in Rhodes-EN



PS15- Applications of AI in the real world for improving the quality of life-EN



PS16- The Spread of Infectious Diseases-EN



PS17- Handling Data in the context of Climate Change-EN



PS18- Using simple linear programming -EN



PS19- Sweet Hive Venture-EN



PS20- Art Studio-EN


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6.4 Academias regionales y nacionales

La sección de academias regionales y nacionales STEAME de la plataforma presenta la creciente red de academias STEAME establecidas en toda Europa y más allá. Estas academias funcionan bajo los estándares de coordinación y calidad de la Federación STEAME y sirven como centros nacionales o regionales para la formación de docentes, tutoría, certificación y difusión de prácticas de aprendizaje STEAME.

Propósito de la Sección

Esta sección sirve para:

- Ofrecer un mapa de la extensión geográfica de las academias activas STEAME en diferentes países
- Proporcionar visibilidad a los actores regionales que apoyan la implementación localizada del marco STEAME
- Guía a profesorado e instituciones para conectar con su academia más cercana para el acceso a la certificación, la capacitación y el apoyo comunitario
- Promover la creación de nuevas academias regionales bajo el paraguas de la Federación

Se alinea con la visión más amplia del proyecto STEAME: escalar la transformación educativa permitiendo la propiedad local y la adaptación dentro de un marco europeo estructurado.

Características clave y estructura

La sección incluye:

6.4.1 Listas de países

Una lista de países participantes con academias regionales STEAME en funcionamiento o en desarrollo. Cada entrada de los países puede vincularse a más detalles sobre la academia, tales como:

- Anfitrión institucional
- Punto de contacto
- Idioma
- Programas activos y actividades locales STEAME

Los países que participan actualmente incluyen (como ejemplos): Bélgica, Bulgaria, Chipre, Grecia, Polonia, Portugal, Rumania y España. Se espera que la lista se amplíe a medida que se aprueben nuevas academias.

6.4.2 Aplicación para establecer una nueva Academia

Las organizaciones (por ejemplo, escuelas, centros de formación de maestros, ONG o universidades) que deseen establecer una nueva Academia STEAME en su región pueden hacerlo a través de la plataforma.

- Mediante el botón “Establece una Academia Regional STEAME”
- Otro botón “Solicítalo ahora”, que conduce al formulario de aplicación o proceso de presentación

La Federación revisa y aprueba estas solicitudes, siguiendo directrices y alineándose con los objetivos del proyecto.

6.4.3 Invitación de miembros de la Federación

Más allá de establecer una academia, las instituciones también pueden solicitar ser miembros de la Federación. Una opción separada “hazte miembro/a” con su propio botón “Solicítalo ahora” está disponible para este propósito.

Resumen del proceso

1. Los docentes que visitan la plataforma pueden identificar su academia nacional o regional y obtener apoyo.
2. Las instituciones pueden postularse para crear nuevas academias donde no existen, ayudando a expandir el ecosistema STEAME.
3. La mentoría y la certificación a menudo fluyen a través de estas academias, proporcionando puntos de contacto locales para desarrollar el programa.

Apéndice 5 - Academias regionales y nacionales

Apéndice 5.1 - Academias regionales y nacionales



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- About the Federation ▾
- Observatory
- News ▾
- Events ▾
- Contact Us

REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

[APPLY NOW](#)

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

[APPLY NOW](#)



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EUROPEAN FEDERATION OF
STEAME
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Nicosia, Cyprus

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Apéndice 5.2 - Formulario para establecer una Academia Regional



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

Choose file

No file chosen

NEXT



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Notas

* Las funcionalidades indicadas con asterisco (*) aparecerán dentro de la duración de la vida del proyecto.

Enlaces útiles

- Ver todos los mentores para aprendizaje (función de búsqueda también): <https://federation-steame-academies.eu/display-mentors/>
- Mentee form submission: <https://federation-steame-academies.eu/mentees-form/>
- Presentación del formulario de mentor: <https://federation-steame-academies.eu/mentors-form/>

ROMANIAN



ACADEMIA PROFESORILOR-FACILITATORI STEAME

Număr de referință: 101102619

Perioada de derulare: 1 iunie 2023 – 31 mai 2026

WP4

D4.2 Observatorul online al academiilor europene de formare a cadrelor didactice din domeniul STEAME: Instrumentul

Partener principal al acestui rezultat: Societatea de Matematică din Cipru

www.steame-academy.eu



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Publicat la: 27 mai 2025

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1. INTRODUCERE

Observatorul online al academiilor europene de formatori STEAME servește drept infrastructură digitală centrală care susține activitățile coordonate ale academiilor regionale și naționale STEAME din întreaga Europă. Acesta este un rezultat al proiectului european „STEAME Teacher Facilitators Academy”, finanțat de UE, conceput pentru a promova educația interdisciplinară prin responsabilizarea cadrelor didactice prin intermediul formării, resurselor, certificării și structurilor de colaborare ancorate în metodologia STEAME — știință, tehnologie, inginerie, arte, matematică și antreprenariat.

Acest manual oferă o prezentare completă a platformei situate la: <https://federation-steame-academies.eu>

Obiectivul său este de a ghida educatoarii, managerii Academiilor STEAME, coordonatorii instituționali STEAME și partenerii de proiect prin funcționalitatea completă a platformei. El explică cum:

- Navigați în secțiunile publice și rezervate membrilor ale site-ului web
- Înregistrați noi academii STEAME
- Accesați și trimiteți planurile de învățare și creativitate STEAME
- Vă înscrieți și gestionați parcursurile de certificare ale cadrelor didactice
- Participați la programe de mentorat
- Propuneți evenimente și împărtășiți noutăți cu comunitatea STEAME lărgită.
- Asigurați conformitatea cu GDPR în toate materialele trimise

Observatorul funcționează atât ca un centru de resurse, cât și ca un ecosistem colaborativ. Instrumentele sale asigură vizibilitate și conexiuni între instituții, oferind în același timp educatorilor oportunități structurate de implicare prin intermediul unor formulare standardizate, al unor directoare interactive și al unor piste de dezvoltare profesională..

Acest manual este organizat pe secțiuni ale platformei și cuprinde:

- Structura de navigare
- Scopul și funcționalitatea secțiunilor
- Capturi de ecran pentru referință vizuală
- Instrucțiuni pas cu pas pentru toate formularele interactive
- Informații despre parteneri și date de contact

2. ACCES LA PLATFORMĂ ȘI NAVIGARE

Observatorul STEAME este accesibil la: <https://federation-steame-academies.eu>

Platforma este disponibilă public și optimizată pentru browserele web moderne, inclusiv Google Chrome, Mozilla Firefox, Microsoft Edge și Safari.

Meniul principal de navigare

Situat în partea de sus a fiecărei pagini, meniul principal de navigare permite utilizatorilor să acceseze cu ușurință toate secțiunile publice și interactive. Sunt disponibile următoarele opțiuni din meniu:

1. **Acasă** - Pagina de destinație a platformei, care prezintă misiunea, noutățile și principalele acțiuni ale Federației STEAME.
2. **Federația** - O secțiune detaliată care descrie structura, viziunea și componentele cheie ale Federației Academii STEAME.
3. **Observatorul STEAME** - Centrul principal, care oferă acces la toate funcțiile principale ale platformei, inclusiv:
 - Academii regionale/naționale
 - Planuri de învățare și creativitate
 - Trasee de certificare a cadrelor didactice
 - Program de mentorat
 - Înregistrarea cererii pentru academia dumneavoastră
 - Înregistrarea evenimentului dumneavoastră
4. **Știri și evenimente** - O listă cu anunțurile actuale, publicațiile și activitățile viitoare.
5. **Contact** – Link direct către pagina de contact a platformei și formularul de consimțământ privind GDPR.

De asemenea, utilizatorii pot accesa subsecțiunile folosind meniurile derulante, acolo unde acestea sunt disponibile.

Accesarea trimerilor

În timp ce cea mai mare parte a platformei este publică, anumite funcții de trimitere (de exemplu, înregistrarea unei academii, înregistrarea unui eveniment sau încărcarea unui traseu de certificare) solicită utilizatorilor să completeze formulare online. Acestea sunt accesate prin linkuri pe paginile relevante din secțiunea Observatorul STEAME.

Accesibilitate

Site-ul web este adaptabil și poate fi vizualizat pe desktop-uri, tablete și smartphone-uri. Considerațiile de accesibilitate includ:

- Interfață simplă cu titluri clare
- Modele standard pentru aspect
- Viteze de încărcare optimizate pentru toate tipurile de conectare

3. PREZENTARE GENERALĂ A PAGINII DE START A FEDERAȚIEI

<https://federation-steame-academies.eu>

1. Antetul principal și meniul de navigare

Descriere: În partea de sus a paginii este situat meniul principal de navigare prin platformă, cu link-uri către toate zonele majore, inclusiv:

- *Acasă*
- *Despre Federație* (cu subpagini: profil, statut, consiliu de administrație, membri)
- *Observator*
- *Știri & Buletine Informative*
- *Evenimente și Trimiteri*
- *Contact*

Scop: Să ofere utilizatorilor un acces uniform și permanent la întreaga structură a platformei.

2. Blocul de titlu al platformei

Descriere: Afișează în mod vizibil denumirea „Federația Europeană a Academiilor de Formatori pentru Profesori STEAME”, împreună cu un subtitlu care indică dimensiunea europeană a proiectului.

Scop: Să se comunice imediat că aceasta este o inițiativă oficială, susținută de UE, axată pe educația STEAME.

3. Secțiunea de prezentare video

Descriere: O casetă de text îi invită pe utilizatori să vizioneze un scurt videoclip promoțional (sub 150 de secunde) care prezintă scopul și viziunea Federației.

Scop: Să ofere noilor vizitatori o prezentare rapidă și captivantă a proiectului — ideală pentru utilizare în cadrul prezentărilor, al activităților de sensibilizare sau al procesului de integrare a cadrelor didactice.

4. Butoane de acces rapid/zone cheie de acțiune

Descriere: Un set de casete mari, pe care se poate face clic, care redirecționează direct către instrumentele principale ale platformei::

- Comunicări și webinare privind educația STEAME
- Cerere pentru înființarea unei Academii Regionale STEAME
- Link către site-ul oficial al proiectului STEAME-ACADEMY

Scop: Să îndrume imediat utilizatorii către acțiuni cu prioritate ridicată și resurse externe care sprijină crearea academiilor locale, formarea profesională și activitățile de sensibilizare.

5. Bloc de prezentare generală a platformei Observatorul STEAME

Descriere: Un scurt paragraf informațional intitulat "Platforma Observatorul STEAME" introduce principalele caracteristici ale platformei de observare, cum ar fi:

- Resurse disponibile gratuit
- Sprijin pentru certificarea cadrelor didactice
- Acces la academii regionale
- Mentorat adaptat în limba locală

Scop: Pentru a oferi o prezentare preliminară a funcționalităților secțiunii „Observator” și a încuraja profesorii să exploreze instrumente relevante pentru dezvoltarea lor profesională și colaborare.

6. Punctele forte ale Federației: linkuri de acces la Academie

Descriere: Două linkuri de text oferă acces la:

- Federația Europeană a academiilor STEAME
- Rețeaua de Academii Regionale/Naționale STEAME

Scop: Pentru a ajuta cadrele didactice sau reprezentanții instituțiilor să găsească academii în funcție de regiune și să ia legătura cu serviciile locale de sprijin.

7. Bloc de prezentare generală a noutăților

Descriere: Arată cele mai recente trei știri cu titlurile și link-urile lor

Scop: Pentru a împărtăși noutăți și a asigura transparența cu privire la activități, etape importante și implicarea comunității la nivel european.

8. Bloc de prezentare generală a evenimentelor

Descriere: Afișează cele mai recente evenimente viitoare sau trecute legate de Federație și de rețeaua Academiilor STEAME.

Scop: Pentru a menține părțile interesate informate și implicate în ceea ce privește calendarul evenimentelor, atelierelor și conferințelor legate de proiect.

9. Formular de abonare la buletinul informativ

Descriere: Un formular de înscriere prin e-mail care le permite vizitatorilor să se aboneze la noutăți periodice despre proiect.

Scop: Să creăm o bază de date cu persoane de contact și un canal de comunicare pentru schimbul de resurse, oportunități și anunțuri.

10. Clauză de exonerare de răspundere privind finanțarea din partea UE

Descriere: Text standard care explică statutul finanțării din partea UE și clauza de exonerare de răspundere.

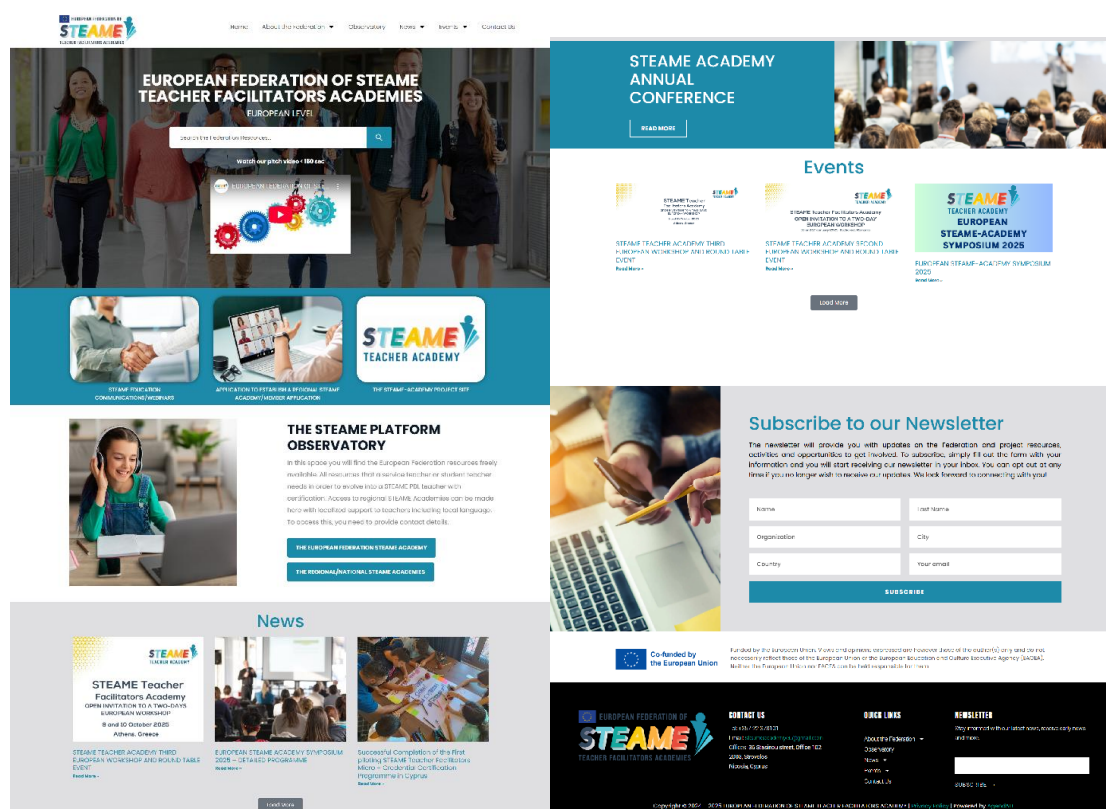
Scop: Pentru a recunoaște sprijinul acordat de UE și conținutul reflectă exclusiv opiniile autorilor.

11. Secțiunea de subsol

Descriere: Oferă linkuri de navigare rapidă, informații de contact și o invitație finală la abonare.

Scop: Pentru a ne asigura că utilizatorii pot găsi cu ușurință paginile cheie ale site-ului de oriunde și pot intra în contact cu Federația pentru o implicare mai profundă.

Anexa 1 – Accesul la platformă și navigarea



4. PAGINA DE START A OBSERVATORULUI STEAME

Această pagină funcționează ca o poartă de acces către Observatorul STEAME, spațiul funcțional principal al platformei. Ea oferă acces la instrumente și formulare pentru a trimite conținut, a solicita o certificare, a participa la programul de mentorat și a explora academiile, planurile și evenimentele disponibile. Această secțiune este dinamică și concepută atât pentru cadrele didactice în activitate, cât și pentru viitorii profesori. <https://federation-steame-academies.eu/the-platform-observatory/>.

1. Antet superior și meniu contextual

Descriere: Pagina include o zonă de subnavigație contextuală în care utilizatorii pot sări la instrumente și caracteristici conexe, cum ar fi:

- Despre proiect
- Certificarea profesorului STEAME
- Program de mentorat
- Comunicări privind educația STEAME
- Jurnal STEAME
- Academii
- Evenimente
- Știri
- Resursele Federației
- Legături și resurse utile

Scop: Pentru a oferi utilizatorilor acces rapid și organizat la toate elementele funcționale ale platformei dintr-un singur loc. Fiecare link duce la o resursă diferită sau la un formular de trimitere.

2. Titlu principal: „Platforma Observator”

Descriere: Acest titlu cu caractere aldine prezintă utilizatorului secțiunea „Observator”, prezentată ca nucleul funcțional al site-ului, locul în care se desfășoară colaborarea educațională propriu-zisă.

Scop: Pentru a indica utilizatorilor că acesta este punctul de plecare pentru a explora toate instrumentele — certificări, planuri, evenimente, mentorat și multe altele.

3. Link de acces direct: Academii STEAME la nivel regional/național

Descriere: Un buton mare în formă de săgeată orientată spre dreapta (→), cu inscripția „Academii STEAME la nivel regional/național”.

Scop: Pentru a îndruma utilizatorii către harta interactivă sau lista academiilor regionale și naționale la care se pot înscrie sau pe care le pot contacta, în funcție de zona lor geografică.

4. Formular de contact și acces (câmpuri obligatorii)

Descriere: Sub conținutul principal al observatorului se află un formular privind datele cu caracter personal, conform cu GDPR, în care se solicită următoarele informații obligatorii:

- Numele complet

- Email
- Țara (listă derulantă cu toate țările din întreaga lume)
- Orașul
- Caseta de verificare a acordului GDPR.

Scop: Pentru a permite cadrelor didactice în activitate, studenților viitori profesori sau candidaților la academii să se identifice și să inițieze contactul cu platforma, în special în vederea stabilirii de legături regionale sau din interesul obținerii certificării.

Această secțiune servește drept poartă de acces pentru a debloca îndrumarea personalizată sau pentru a declanșa mesaje de urmărire prin e-mail în funcție de țară și regiune.

5. Contori în timp real: indicatori ai proiectului

Descriere: Un rând de contori arată patru indicatori de proiect (în prezent la valoarea zero)

- Număr de țări
- Numărul de Academii
- Numărul de limbi
- Numărul de planuri de învățare și creativitate

Fiecare este marcat cu "Din 15 ianuarie 2025".

Scop: Pentru a comunica în mod transparent progresul platformei și obiectivele privind implicarea — ajutând utilizatorii să înțeleagă amploarea și stadiul de dezvoltare al inițiativei.

6. Secțiunea de resurse a Federației

Descriere: Un paragraf detaliat explică scopul Federației — **formarea** cadrelor didactice, **promovarea învățării STEAME bazate pe proiecte** și **crearea unei rețele europene de academii**. Acesta subliniază legăturile cu programul Erasmus+ și viziunea pe termen lung privind transformarea educațională.

Scop: Pentru a oferi un context ideologic și profesional platformei — arătând că aceasta nu este doar un instrument, ci o inițiativă strategică menită să modeleze viitorul educației STEAME în Europa.

7. Certificarea europeană de formator pentru profesori STEAME (micro-certificat)

Descriere: Un bloc de text prezintă Parcursul de certificare și explică modul în care utilizatorii pot depune o cerere:

- Fie printr-o academie locală (regională)
- Sau, dacă nu există, direct prin Federație.

Mai jos se află un buton de îndemn la acțiune cu textul „**ÎNSCRIE-TE ACUM**”, alături de mențiunea „*Trimite raportul online (INSTRUMENT ÎN CURS DE REALIZARE)*”.

Scop: Să îndrume profesorii din cadrul serviciilor de orientare sau viitorii profesori către obținerea unei recunoașteri profesionale oficiale în cadrul Federației.

8. Secțiuni cu linkuri utile (trei subsecțiuni)

Descriere: Clasificate în funcție de tipul de public, fiecare dintre ele conține linkuri către resurse externe:

- **Profesori în serviciul școlar** - STEAME în învățământul școlar

- **Studenti viitori profesori** – Învățământ superior – Resurse specifice învățământului superior
- **Elevi** – Instrumente de evaluare a competențelor, videoclipuri educaționale

Scop: Pentru a oferi linkuri și instrumente de învățare adaptate diferitelor tipuri de public care utilizează platforma.

9. Prezentare generală a programului de mentorat

Descriere: Două subsecțiuni

- **“Devino mentor STEAME”** — invitație adresată profesorilor cu experiență din învățământul școlar de a îndruma studenții viitori profesori
- **“Găsește-mi un mentor STEAME”** — invitație adresată studenților la programul de pregătire pedagogică de a solicita sprijin sub formă de mentorat.

Scop: Să construim o structură de mentorat pe termen lung, care să ofere sprijin și să facă legătura între experiență și învățare.

10. Abonare la buletinul informativ (secțiunea inferioară)

Descriere: O copie a formularului principal de înscriere la buletinul informativ al platformei: Nume, E-mail, Organizație, Oraș, Țară.

Scop: Extinderea listei de contacte a Federației și informarea utilizatorilor cu privire la noutăți și oportunități.

Anexa 2 – Pagina de start a Observatorului STEAME

The screenshot displays the homepage of the STEAME Platform Observatory. The top navigation bar includes links for Home, About the Observatory, Observatory, News, Events, and Contacts. The main header features the STEAME logo and a menu icon. Below the header, there are four large statistics: 8 Countries (by 7 January 2021), 14 Academies (by 6 January 2021), 9 Languages (by 7 January 2021), and 108 Learning & Creativity Plans (by 7 January 2021). To the right, there is a 'Useful Links' section with three categories: School Service Teachers, Student Teachers-Higher Education, and School Students. Below this is a 'Mentoring Programme' section with two sub-sections: 'Devine a STEAME Mentor' and 'Find a STEAME Mentor for me'. The bottom section features a 'Subscribe to our Newsletter' form with fields for Name, Email, Organization, City, and Country, and a 'SUBSCRIBE' button. The footer includes the European STEAME Teacher Facilitator Certification logo, contact information, and a copyright notice for 2024.

5. FUNCȚIONALITATEA ȘTIRILOR ȘI EVENIMENTELOR

1. Secțiunea Știri

Secțiunea „Știri” a platformei Federației STEAME este dedicată publicării actualizărilor oficiale, anunțurilor și rapoartelor de progres ale Federației și ale partenerilor săi. Aceasta va fi utilizată pentru:

- Informarea părților interesate cu privire la etapele importante ale proiectului, evenimentele finalizate, noile resurse și publicațiile
- Prezentarea impactului activităților Federației la nivel european
- Menținerea transparenței și a unui flux regulat de comunicare cu educatorii, partenerii și publicul larg

Conținutul din această secțiune este selectat și publicat de echipa Federației. Aceasta funcționează ca o arhivă centrală pentru toate actualizările importante legate de inițiativa „Academiile europene de formare a profesorilor STEAME”.

2. Secțiunea Evenimente

Secțiunea „Evenimente” are ca scop promovarea activităților viitoare, precum:

- Ateliere, simpozioane și mese rotunde de certificare organizate de Federație
- Evenimente importante la nivel european sau național legate de educația STEAME
- Date importante privind formarea cadrelor didactice, participarea la academii sau diseminarea proiectelor

Secțiunea va ajuta utilizatorii să-și planifice participarea, să rămână informați și să beneficieze de oportunități de dezvoltare profesională. Evenimentele sunt publicate fie de către Federație, fie, în viitor, prin contribuțiile utilizatorilor verificați.

3. Trimiterea unui eveniment comunitar*

Platforma va include în curând o funcție de înscriere a evenimentelor comunitare, care le va permite profesorilor, reprezentanților Academiei STEAME și altor colaboratori să propună evenimente direct prin intermediul platformei. Deși această funcționalitate se află în prezent în curs de dezvoltare, ea este concepută pentru a sprijini participarea la nivel local și pentru a spori vizibilitatea inițiativelor STEAME locale.

Se preconizează că această funcție va:

- **permite partajarea de jos în sus a evenimentelor legate de STEAME**, cum ar fi atelierele școlare, cursurile de formare organizate de academii, concursurile interdisciplinare și conferințele educaționale;
- **pune la dispoziție un formular standardizat de înscriere cu câmpuri obligatorii, inclusiv:**
 - Titlul evenimentului
 - Descriere
 - Data și ora
 - Locație (fizică sau online)
 - Public țintă
 - Informații de contact ale organizatorului
- **include un proces de moderare și aprobare:**
 - Evenimentele viitoare vor fi verificate de echipa administrativă a Federației pentru a asigura alinierea la obiectivele educaționale STEAME
 - Doar evenimentele aprobate vor fi publicate și vor apărea pe calendarul evenimentelor publice ale platformei
 - Contributorii pot fi contactați pentru clarificări sau informații suplimentare înainte de aprobare

Această funcționalitate care urmează să fie lansată va extinde în mod semnificativ capacitățile platformei de consolidare a comunității, oferind cadrelor didactice din întreaga Europă un canal prin care să-și promoveze propriile activități. Ea susține obiectivul Federației STEAME de a stimula vizibilitatea colaborativă, implicarea la nivel local și inovarea inițiată de cadrele didactice în cadrul mai larg al educației STEAME.

4. Secțiunea Buletin Informativ

Secțiunea „Buletin informativ” conține ediții descărcabile ale buletinelor informative ale Federației, publicate la intervale regulate. Aceasta are următoarele scopuri:

- Să rezume noutățile, realizările și oportunitățile viitoare
- Să ofere un format convenabil pentru partajarea noutăților cu rețele mai largi
- Să permită părților interesate să rămână informate chiar dacă nu accesează site-ul web frecvent

Buletinele informative anterioare sunt arhivate pe ani și pot fi descărcate în format PDF, permițând cadrelor didactice și partenerilor instituționali să urmărească evoluția proiectului de-a lungul timpului.

6. INSTRUMENTELE OBSERVATORULUI STEAME

6.1 Parcursul de certificare a profesorului-facilitator STEAME (în curs de dezvoltare)*

Platforma Federației STEAME se află în proces de lansare a unui **parcurs structurat de certificare** pentru cadrele didactice, menit să recunoască capacitatea acestora de a concepe și implementa activități de învățare STEAME interdisciplinare, bazate pe proiecte. Această certificare va fi acordată sub forma unei **micro-certificări** și este aliniată la un cadru bazat pe competențe elaborat la nivel european.

Obiectul certificării

Scopul procesului de certificare este:

- Să ofere cadrelor didactice experiență practică în domeniul educației STEAME
- Să valideze capacitatea acestora de a elabora și aplica planuri interdisciplinare de învățare și creativitate (planuri L&C)
- Să promoveze practici didactice reflexive și o evaluare structurată
- Să sprijine dezvoltarea profesională și recunoașterea cadrelor didactice din întreaga Europă.

Procesul este special adaptat pentru profesorii în serviciu (cei care predau în mod activ) și viitori profesori, acum studenți (pregătire pedagogică), promovând colaborarea și învățarea reciprocă.

Structura procesului de certificare

Profesorii vor trece printr-un proces pas cu pas de raportare și evaluare, care include următoarele componente cheie:

1. Co-creația bazată pe echipă

- Solicitanții trebuie să formeze o echipă de cel puțin doi profesori pentru a co-proiecta un plan de învățare și creativitate STEAME.
- Fiecare solicitant își prezintă studiile (subiect, nivel, instituție etc.) ca parte a cererii inițiale.

2. Elaborarea și prezentarea planului

- Echipa prezintă un plan complet de învățare și creativitate în format PDF.
- Pentru fiecare dintre cele 14 module STEAME disponibile pe platformă, solicitanții trebuie să reflecteze asupra modului în care elementele au fost încorporate în planul lor L&C (până la 50 de cuvinte per modul).

3. Punerea în aplicare în sala de clasă

- Planul L&C trebuie pus în aplicare cu elevii pe o serie de lecții.
- Solicitanții raportează numărul de elevi implicați, împreună cu datele exacte de implementare.
- Dovada punerii în aplicare este prezentată sub formă de fotografii sau videoclipuri.

4. Permisuni parentale

- Profesorii trebuie să confirme dacă au permisiune parentală asigurată pentru orice piesă transmisă.
- În caz contrar, acestea trebuie să furnizeze o declarație de confidențialitate semnată.

5. Feedback și reflecție

- Reacțiile elevilor sunt colectate folosind un set standard de întrebări care abordează patru domenii cheie:
 - Relevanța reală a proiectului
 - Claritatea metodelor și experiența de lucru în echipă
 - Autonomie și implicare a elevilor în procesul de învățare
 - Interesul și motivația pe termen lung pentru continuarea învățării în domeniul STEAME
- Datele brute (anonime) trebuie prezentate în format Excel.
- Fiecare profesor trebuie să reflecteze în scris asupra acestui feedback.

6. Autoevaluare

- Candidații trebuie să își evalueze propria performanță în raport cu un cadru cuprinzător de competențe care acoperă:
 - Contextualizarea proiectelor STEAME
 - Calitatea metodologică și sprijinul pentru învățare
 - Autonomie și îndrumarea elevilor
 - Inovație și sustenabilitate în predarea STEAME

Fiecare domeniu de competență conține descriptori de performanță la trei niveluri, iar solicitanții trebuie să:

- selecteze descriptorul care reflectă nivelul lor
- justifice autoevaluarea în scris (până la 50 de cuvinte per criteriu)

Evaluare și validare

Odată prezentat, raportul complet va fi verificat de evaluatori din cadrul Federației (sau de o Academie Regională STEAME, dacă este cazul). Evaluarea va lua în considerare:

- Calitatea planului L&C
- Dovada implementării planului L&C la clasă
- Feedback-ul și angajamentul studenților
- Completitudinea și acuratețea autoevaluării

Candidații care îndeplinesc standardele prevăzute în cadrul de competențe vor primi **Certificatul de facilitator didactic STEAME**, care poate fi utilizat și pentru a sprijini dezvoltarea profesională sau obținerea unor acreditări ulterioare.

Notă: Până la finalizarea sistemului complet de depunere a cererilor online, raportarea se realizează manual, folosind șabloane care pot fi descărcate. Odată finalizat, procesul va fi integrat pe deplin în platforma STEAME.

6.2 Programul de mentorat – Funcționalități pentru mentor și persoana îndrumată

Programul de mentorat STEAME este un sistem structurat în cadrul platformei, conceput pentru a stimula dezvoltarea profesională prin punerea în legătură a profesorilor cu experiență în domeniul STEAME (mentori) cu profesorii aflați la începutul carierei sau cu studenții la pregătire pedagogică (beneficiari de mentorat). Sistemul este complet integrat și oferă un proces simplificat de înregistrare, verificare, aprobare și publicare a profilurilor.

Obiectivul sistemului de mentorat

Acest program își propune:

- Să ofere îndrumare practică viitorilor profesori în procesul de implementare a metodologiilor STEAME
- Să promoveze transferul de cunoștințe între generații, între cadrele didactice cu experiență și cei care își încep cariera
- Să consolideze comunitatea STEAME prin încurajarea colaborării și a sprijinului reciproc

Programul este construit în jurul a două roluri principale:

- **Mentori** - Profesori cu experiență în predarea disciplinelor STEAME sau formatori de profesori în aceste discipline.
- **Persoane îndrumate (Beneficiari ai mentoratului)** - Studenții la pregătire pedagogică, profesorii debutanți sau profesorii în activitate care au nevoie de sprijin în integrarea disciplinelor STEAME.

Funcționalități de bază

Sistemul este compus din trei componente cheie:

1. Afișarea paginii Mentor

Mentorii aprobați sunt incluși într-un registru public al mentorilor, unde persoanele care beneficiază de mentorat pot consulta profilurile disponibile. Fiecare înregistrare a unui mentor include:

- Nume, afiliere, țară
- Domenii de expertiză sau interes (de exemplu, discipline STEAME, subiecte de mentorat)
- Opțiunea ca cei care doresc îndrumare (viitorii profesori) să își exprime interesul de a se conecta

Acest lucru promovează vizibilitatea și accesibilitatea mentorilor din regiuni.

2. Formular de înscriere și aprobare pentru mentor

Profesorii care doresc să devină mentori completează un **formular de înregistrare Mentor dedicat**, oferind:

- Date complete de contact și afiliere
- Curriculum educațional și experiență de predare
- Zone în care pot îndruma
- Acordul pentru a apărea pe lista mentorilor publici

Sistemul include următoarele caracteristici din spatele scenei:

- **Notificarea prin e-mail** se trimite automat la admin la depunere
- Logica codului de verificare asigură securitatea în timpul depunerii
- Un mesaj dinamic apare după introducerea codului: "*Cod sub verificare, vă rugăm să așteptați...*"
- Metadatele de depunere sunt stocate în siguranță în câmpurile destinate
- Mentorii pot fi **aprobați** sau **respinși** de *admin* folosind o interfață de moderare (similar cu aprobările de comentarii)

3. Formularul de depunere de către persoana mentorată (beneficiar mentorat)

Solicitanții de mentorat se înregistrează folosind un formular simplu, structurat, care cere:

- Numele, e-mailul, instituția (dacă este cazul) și zona (zonele) de interes
- Preferință facultativă pentru un mentor specific

Detalii cheie ale procesului:

- **La depunerea formularului și confirmarea cu succes a e-mailului lor prin codul de verificare, solicitantul mentoratului este aprobat automat**
- În acest stadiu nu este necesară intervenția manuală a administratorului platformei
- E-mailuri de confirmare sunt trimise la solicitantul mentoratului, iar cererea lor devine activă în sistem
- Solicitanții de mentorat primesc o parolă pentru a o utiliza împreună cu adresa lor de e-mail pentru a putea re-vizita pagina în cazul în care nu găsesc un mentor adecvat prima dată când se înregistrează.

Acest proces de înscriere simplu încurajează o participare mai largă, asigurând în același timp responsabilitatea prin verificarea adresei de e-mail.

Atât înscrierile mentorilor, cât și ale persoanelor mentorate generează notificări prin e-mail către administratorii platformei, permițându-le acestora să gestioneze procesul în mod eficient.

Proces de potrivire (Logica actuală)

Odată ce mentorii și beneficiarii de mentorat sunt în sistem:

- Persoanele mentorate pot răsfoi liber lista de mentori aprobați și pot alege un mentor de care sunt interesate.
- Cu toate acestea, persoanele mentorate nu primesc direct informațiile de contact ale mentorului.
- În schimb, persoana mentorată folosește un formular de contact încorporat în platformă pentru a trimite o solicitare. Acest mesaj este transmis către:
 - Mentorul selectat
 - Echipa administrativă a Federației

Acest lucru asigură că toate primele comunicări sunt **inițiate în siguranță și sub supraveghere**.

Mentorii pot apoi alege dacă vor continua.

- Dacă **mentorul este dispus să se implice**, acesta poate răspunde **direct persoanei mentorate prin e-mail**.
- **Mentorul nu este obligat să trimită CC Federației** - răspunsul este privat, păstrând autonomia și confidențialitatea după contactul inițial.

Această abordare asigură:

- prezentări controlate, bazate pe consimțământ
- protecția datelor și conformitatea cu GDPR
- libertatea mentorilor de a decide dacă să se implice, menținând în același timp un prim punct de contact profesional

Sistemul acceptă atât conexiuni **auto-inițiate de către persoane mentorate**, cât și **matchmaking susținut de administrator**, acolo unde este cazul, oferind flexibilitate și scalabilitate.

Anexa 3 - Programul de mentorat – Funcționalitățile pentru mentor și persoana îndrumată

Anexa 3.1 – Formularul de înscriere pentru mentori



homeAbout the Federation▼ObservatoryNews▼Events▼Contact Us

Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of School, HBL, website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science

☐ Technology

☐ Engineering

☐ Arts

☐ Mathematics

☐ Entrepreneurship

Select All

Upload Photo (required)

Choose file

No file chosen

Accepted file types: jpg, png, png, Max file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship

☐ In-person Collaboration

☐ Co-creation between STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?

☐ Associate partner of the project STEAM-Academy

☐ Private

☐ Public

☐ School (Any grades within K-12)

☐ Higher education

☐ Training Centre

☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Anexa 3.2 – Programul de mentorat – Funcționalitatea pentru persoanele îndrumate



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

Click the "Send Code" button to receive a verification code via email.
If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (required)

- ☐ Member of the European Federation of STEAM Teacher Facilitators Academies?
☐ Associate partner of the project STEAM-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12?)
☐ Higher Education
☐ Training Centre
☐ Other

Mentorship Type (Required)

- ☐  Online Mentorship
☐  Internship Collaboration
☐  Co-creation towards STEAM Certification



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Anexa 3.3 – Programul de mentorat – Afișarea mentorilor

EUROPEAN FEDERATION OF
STEAME
TEACHER FACILITATORS ACADEMIES

Home About the Federation Observatory News Events Contact Us

Display Mentors

Display Mentors

Email (required)

Please Type Verification Code (required)

Enter your email to receive a verification code and view the mentor list:

Search mentors... Mathematics All Types All Languages

Gregoris Makrides
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

[View Profile](#)

Anexa 3.4 – Programul de mentorat – Prezentarea biografică a mentorilor

EUROPEAN FEDERATION OF
STEAME
TEACHER FACILITATORS ACADEMIES

Home About the Federation Observatory News Events Contact Us

Display Mentors

Display Mentors

Email (required)

Please Type Verification Code (required)

Enter your email to receive a verification code and view the mentor list:

Search mentors... Mathematics All Types All Languages

Gregoris Makrides

First Name	Last Name
Gregoris	Makrides
Affiliation	City of Work
University of the National Education Commission	Krakow
Country of Work	Language
Poland	English
Professional Field	
Mathematics and STEAME Education	

Bio
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

6.3 Planuri de învățare și creativitate

Secțiunea **Planuri de învățare și creativitate (Planuri L&C)** a platformei STEAME servește ca un depozit digital de planuri de lecție interdisciplinare, bazate pe proiecte, care se aliniază cu cadrul educațional STEAME (Știință, Tehnologie, Inginerie, Arte, Matematică și Antreprenariat). Aceste resurse sunt dezvoltate de educatori, evaluate prin faze de pilotare și puse la dispoziție pentru a sprijini implementarea în sala de clasă la diferite grupe de vârstă și niveluri educaționale.

Scopul secțiunii

Această secțiune este concepută pentru a:

- oferi planuri de lecție gata de utilizare pentru educatorii care lucrează în disciplinele STEAME
- încuraja gândirea interdisciplinară prin prezentarea de exemple care combină mai multe discipline în activități de învățare coerente
- sprijini profesorii care doresc **Certificare STEAME**, unde crearea și aplicarea unui Plan L&C este o cerință esențială
- promova **colaborarea, creativitatea și inovația** în sălile de clasă europene.

Fiecare plan pune accent pe relevanța pentru lumea reală, munca în echipă, învățarea activă și aplicarea metodologiei STEAME prin design structurat al proiectului.

Caracteristici principale și structură

Cadrele didactice care accesează secțiunea „Planuri de învățare și creativitate” pot:

- **răsfoi biblioteca completă de planuri publicate**
- **filtra planurile după:**
 - Categoriile de discipline (de ex. Științe, Matematică, Inginerie, Arte etc.)
 - Grupă de vârstă (de ex. 10–14, 14–18 sau niveluri speciale)
 - **Limba**
 - **Autor**
- **vizualiza detaliile fiecărui plan, inclusiv:**
 - Titlul și codul planului (de exemplu, „ST53 – Viitorul energiei”)
 - Grupa de vârstă țintă și disciplinele din programa școlară
 - Numele autorului și instituția de care aparține
 - Scurtă descriere și obiectivele de învățare
 - Acces la planul complet care poate fi descărcat sau previzualizat
- **utiliza opțiunile avansate de filtrare pentru a găsi planuri relevante pentru anumite teme, țări sau medii educaționale**

Fiecare plan este supus unei evaluări sau este testat în faza de dezvoltare, asigurându-se astfel un nivel ridicat de calitate și conformitatea cu principiile de predare STEAME.

Utilizarea în certificare și predarea de zi cu zi

Pentru profesorii care urmează **Parcursul de certificare STEAME**, alegerea sau elaborarea unui Plan de învățare și creativitate reprezintă o etapă obligatorie a procesului. Aceste planuri servesc drept:

- Un **model** pentru dezvoltarea activităților interdisciplinare
- O **cerință de trimitere** legată de punerea în practică în sala de clasă și de feedback-ul elevilor

Pentru toți educatorii, arhiva de planuri de învățare și creativitate servește drept punct de plecare creativ, ajutându-i să integreze metodologia STEAME în scenarii reale din sala de clasă, cu exemple practice și adaptate vârstei elevilor.

Anexa 4 – Planuri de învățare și creativitate



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THE FEDERATION RESOURCES

CategorySearch the Federation Resources...

All videos available in the Resources below are available in 9+ languages subtitles.
Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

Find a Resource

PS: Pre-service Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

Click [HERE](#) to view a full list of Learning & Creativity Plans

Regional Academies

SHOW RESULTS

Reset All

Category

European Level

Learning & Creativity Plans

Modules

Subcategory

Age Levels

Language

SHOW RESULTS

Reset All

10-18

PS1-Finding science and mathematics in arts of folklores

Dall-EN

10-14

PS2-Discovering Antoni Gaudi

EN

10-14

PS3-Eco multi-use cube from reused water plastic bottles

EN

10-14

PS4-Sound proof panels from reused polyester fabric waste

EN

10-14

PS5-Water filter ecological straw

EN

14-18

Chat AI

14-18

PS7-Exploring and presenting AI tools within school assignments

EN

14-18

PS8-Escape Room in the classroom

EN

10-14

PS8-Four triangle centres and the Euler Line

EN

14-18

PS10-Programming through gamification

EN

10-14

PS10-Weather in my city

EN

10-14

PS12-Eco-Innovation Designing a Sustainable Product using Chat GPT

EN

10-14

PS13-Ancient Greek Innovators Exploring and Recreating Technology

EN

10-14

PS14-Sustainable Tourism in Rhodes

EN

14-18

PS15-Applications of AI in the real world for improving the quality of life

EN

14-18

PS16-The Spread of Infectious Diseases

EN

14-18

PS17-Handling Data in the context of Climate Change

EN

14-18

PS18-Using Simple Linear programming

EN

14-18

PS19-Sweet Hive Venture

EN

14-18

PS20-Art Studio

EN

1234Next



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6.4 Academiile regionale și naționale

Secțiunea „**Academiile STEAME regionale și naționale**” a platformei prezintă rețeaua în continuă expansiune a academiilor STEAME locale înființate în întreaga Europă și nu numai. Aceste academii funcționează sub coordonarea Federației STEAME și respectă standardele de calitate ale acesteia, servind drept centre naționale sau regionale pentru formarea cadrelor didactice, mentorat, certificare și diseminare a practicilor de învățare STEAME.

Scopul secțiunii

Această secțiune are ca scop:

- **să cartografieze distribuția geografică a academiilor STEAME** active în diferite țări
- **să ofere vizibilitate** actorilor regionali care susțin implementarea locală a cadrului STEAME
- **să ajute cadrele didactice și instituțiile de învățământ** să ia legătura cu cea mai apropiată academie pentru a avea acces la certificare, formare și sprijin din partea comunității
- **să încurajeze crearea** de noi academii regionale sub egida Federației

Această secțiune se înscrie în viziunea mai amplă a proiectului STEAME: extinderea transformării educației prin încurajarea asumării și adaptării la nivel local într-un cadru european structurat.

Caracteristici principale și structură

Secțiunea include:

6.4.1 Lista țărilor

O listă a țărilor participante în care academiile regionale STEAME sunt deja active sau în curs de înființare. Pentru fiecare țară, un link poate oferi acces la informații suplimentare despre academie, precum:

- instituția gazdă
- punctul de contact
- limba operațională
- programe active și activități locale STEAME

Printre țările implicate în prezent se numără Belgia, Bulgaria, Cipru, Grecia, Polonia, Portugalia, România și Spania. Lista urmează să se extindă pe măsură ce vor fi aprobate noi academii.

6.4.2 Cererea de înființare a unei noi Academii

Organizațiile (de exemplu, școli, centre de formare a cadrelor didactice, ONG-uri sau universități) care doresc să înființeze o nouă Academie STEAME în regiunea lor pot face acest lucru prin intermediul platformei. Secțiunea include:

- Un îndemn clar la acțiune: „**Înființați o Academie STEAME regională**”
- Un buton „**Aplicați acum**” care redirecționează către formularul de înscriere sau procesul de depunere a cererii

Aceste cereri sunt analizate de Federație, în conformitate cu liniile directoare și cu obiectivele proiectului.

6.4.3 Invitație de a deveni membru al Federației

Pe lângă înființarea unei academii, instituțiile pot depune, de asemenea, o cerere pentru a deveni membre ale Federației. În acest scop, este disponibilă o opțiune separată intitulată „**Deveniți membru**”, care dispune de propriul buton „**Aplicați acum**”.

Rezumatul procesului

1. Profesorii care accesează platforma își pot identifica academia națională sau regională și pot solicita sprijin.
2. Instituțiile pot depune cereri pentru a înființa noi academii acolo unde nu există încă, contribuind astfel la extinderea ecosistemului STEAME.
3. Programele de mentorat și certificare se derulează adesea prin intermediul acestor academii, oferind puncte de contact locale pentru derularea programelor.

Anexa 5 – Academii regionale și naționale

Anexa 5.1 – Academii regionale și naționale



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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

APPLY NOW

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

APPLY NOW



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Anexa 5.2 – Formular pentru înființarea unei academii regionale



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

Choose file

No file chosen

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Observații

* Funcționalitățile marcate cu un asterisc (*) vor fi lansate online pe durata proiectului.

Linkuri utile

- Vezi toți mentorii disponibili pentru solicitanții de îndrumare (cu funcție de căutare): <https://federation-steame-academies.eu/display-mentors/>
- Formular de înscriere pentru : <https://federation-steame-academies.eu/mentees-form/>
- Formular de înscriere pentru mentori: <https://federation-steame-academies.eu/mentors-form/>

PORTUGUESE



ACADEMIA DE PROFESSORES FORMADORES STEAME

Número de referência: 101102619

Período de execução: 1 de junho de 2023 a 31 de maio de 2026

WP4

D4.2 Observatório Web das Academias Europeias de Professores STEAME: A ferramenta

Parceiro responsável pelo entregável:

Sociedade de Matemática do Chipre

www.steame-academy.eu



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Publicado em: 27 de maio de 2025

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1. INTRODUÇÃO

O Observatório Web das Academias Europeias de Professores Formadores STEAME constitui a infraestrutura digital central de apoio às atividades coordenadas das Academias STEAME Regionais e Nacionais em toda a Europa. Trata-se de um entregável do projeto Academia Europeia de Professores Formadores STEAME, financiado pela União Europeia, concebido para promover a educação interdisciplinar através da capacitação dos professores, mediante formação, recursos, certificação e estruturas de colaboração assentes na metodologia STEAME — Ciência, Tecnologia, Engenharia, Artes, Matemática e Empreendedorismo.

Este manual apresenta um guia completo da plataforma disponível em: <https://federation-steame-academies.eu>

O objetivo é orientar educadores, gestores de Academias STEAME, coordenadores institucionais STEAME e parceiros do projeto na utilização de todas as funcionalidades da plataforma. Explica como:

- Navegar nas áreas públicas e nas áreas reservadas a membros do *website*
- Registrar novas Academias STEAME
- Aceder e submeter Planos de Aprendizagem e Criatividade STEAME
- Candidatar-se a percursos de certificação de professores e geri-los
- Participar em programas de mentoria
- Submeter eventos e partilhar atualizações com a comunidade STEAME em geral
- Assegurar a conformidade com o RGPD em todas as submissões

O Observatório funciona simultaneamente como repositório de recursos e como ecossistema colaborativo. As suas ferramentas promovem a visibilidade e a ligação entre instituições, proporcionando também aos educadores oportunidades de participação estruturada através de formulários normalizados, diretórios interativos e percursos de desenvolvimento profissional.

Este manual está organizado por secções da plataforma e inclui:

- Estrutura de navegação
- Objetivos e funcionalidades de cada secção
- Capturas de ecrã para referência visual
- Instruções passo a passo para todos os formulários interativos
- Informações sobre parceiros e contactos

2. ACESSO À PLATAFORMA E NAVEGAÇÃO

O Observatório STEAME está disponível em: <https://federation-steame-academies.eu>

A plataforma é de acesso público e está otimizada para navegadores Web modernos, incluindo Google Chrome, Mozilla Firefox, Microsoft Edge e Safari.

Menu principal de navegação

Localizado no topo de todas as páginas, o menu principal de navegação permite aos utilizadores aceder facilmente a todas as secções públicas e interativas. Estão disponíveis os seguintes itens de menu:

1. **Início** – A página inicial da plataforma, que destaca a missão, as notícias e as principais ações da Federação STEAME.
2. **Federação** – Uma secção detalhada que descreve a estrutura, a visão e os principais componentes da Federação de Academias STEAME.
3. **Observatório STEAME** – O núcleo central, com ligações para todas as principais funcionalidades da plataforma, incluindo:
 - Academias Regionais/Nacionais
 - Planos de Aprendizagem e Criatividade
 - Percursos de Certificação de Professores
 - Programa de Mentoria
 - Submeter a sua Academia
 - Submeter o seu Evento
4. **Notícias e Eventos** – Uma lista de anúncios atuais, publicações e próximas atividades.
5. **Contacto** – Ligação direta para o formulário de contacto e de consentimento ao abrigo do RGPD.

Os utilizadores podem também aceder a subsecções através de menus pendentes, quando disponíveis.

Acesso às submissões

Embora a maior parte da plataforma seja pública, determinadas funcionalidades de submissão (por exemplo, registar uma academia, submeter um evento ou carregar um percurso de certificação) exigem o preenchimento de formulários *online*. Estes formulários são acedidos através das ligações existentes nas páginas relevantes da secção Observatório STEAME.

Acessibilidade

O *website* é responsivo e pode ser consultado em computadores, tablets e smartphones. As medidas de acessibilidade incluem:

- Interface simples, com títulos claros
- Estruturas de formulários normalizadas
- Velocidades de carregamento otimizadas para todos os tipos de ligação

3. VISÃO GERAL DA PÁGINA INICIAL DA FEDERAÇÃO

<https://federation-steame-academies.eu>

1. Cabeçalho principal e menu de navegação

Descrição:

No topo da página encontra-se o menu principal de navegação da plataforma, com ligações para todas as áreas principais, incluindo:

- *Início*
- *Sobre a Federação (com as subpáginas: Perfil, Estatutos, Conselho de Administração, Membros)*
- *Observatório*
- *Notícias e Boletins Informativos*
- *Eventos e Submissões*
- *Contacto*

Finalidade:

Proporcionar aos utilizadores um acesso coerente e permanentemente disponível a toda a estrutura da plataforma.

2. Bloco do título da plataforma

Descrição:

Apresenta em destaque o nome «Federação Europeia de Academias de Professores Formadores STEAME», acompanhado de um subtítulo que assinala o **âmbito europeu** do projeto.

Finalidade:

Comunicar de imediato que se trata de uma iniciativa formal, apoiada pela União Europeia e centrada na educação STEAME.

3. Secção do vídeo de apresentação

Descrição:

Uma caixa em destaque convida os utilizadores a assistir a um breve vídeo promocional (com menos de 150 segundos), que apresenta a finalidade e a visão da Federação.

Finalidade:

Proporcionar aos novos visitantes uma introdução rápida e apelativa ao projeto — adequada para apresentações, ações de divulgação ou integração de professores.

4. Botões de acesso rápido / principais áreas de ação

Descrição:

Um conjunto de caixas grandes e clicáveis dá acesso direto às principais ferramentas da plataforma:

- Comunicações e Webinars sobre Educação STEAME
- Candidatura para criar uma Academia STEAME Regional
- Ligação para o sítio oficial do projeto STEAME-ACADEMY

Finalidade:

Encaminhar de imediato os utilizadores para ações prioritárias e recursos externos que apoiam a criação de academias locais, a formação e a divulgação.

5. Bloco de pré-visualização do Observatório da Plataforma STEAME

Descrição:

Um breve parágrafo informativo, intitulado «O Observatório da Plataforma STEAME», apresenta as principais funcionalidades da plataforma do Observatório, nomeadamente:

- Recursos de acesso livre
- Apoio à certificação de professores
- Acesso a academias regionais
- Mentoria adaptada à língua do utilizador

Finalidade:

Apresentar antecipadamente as funcionalidades da secção Observatório e incentivar os professores a explorar ferramentas relevantes para o seu desenvolvimento e colaboração.

6. Destaques da Federação: ligações de acesso às Academias

Descrição:

Duas ligações de texto dão acesso a:

- Academia STEAME da Federação Europeia
- Rede de Academias STEAME Regionais/Nacionais

Finalidade:

Orientar educadores ou representantes institucionais na localização de academias por região e no contacto com estruturas de apoio locais.

7. Bloco de pré-visualização de notícias

Descrição:

Apresenta as três notícias mais recentes, com os respetivos títulos e ligações.

Finalidade:

Partilhar atualizações e manter a transparência sobre atividades, marcos alcançados e participação da comunidade em toda a Europa.

8. Bloco de pré-visualização de eventos

Descrição:

Apresenta os eventos futuros ou passados mais recentes relacionados com a Federação e com a rede de Academias STEAME.

Finalidade:

Manter as partes interessadas informadas e envolvidas no calendário de eventos, workshops e conferências relacionados com o projeto.

9. Formulário de subscrição do boletim informativo

Descrição:

Um formulário de inscrição por correio eletrónico que permite aos visitantes subscrever atualizações regulares do projeto.

Finalidade:

Criar uma base de contactos e um canal de comunicação para a partilha de recursos, oportunidades e anúncios.

10. Declaração de exoneração de responsabilidade relativa ao financiamento da UE

Descrição:

Texto normalizado que explica a situação do financiamento da União Europeia e a respetiva declaração legal.

Finalidade:

Reconhecer o apoio da União Europeia e esclarecer que o conteúdo reflete apenas as opiniões dos autores.

11. Secção de rodapé

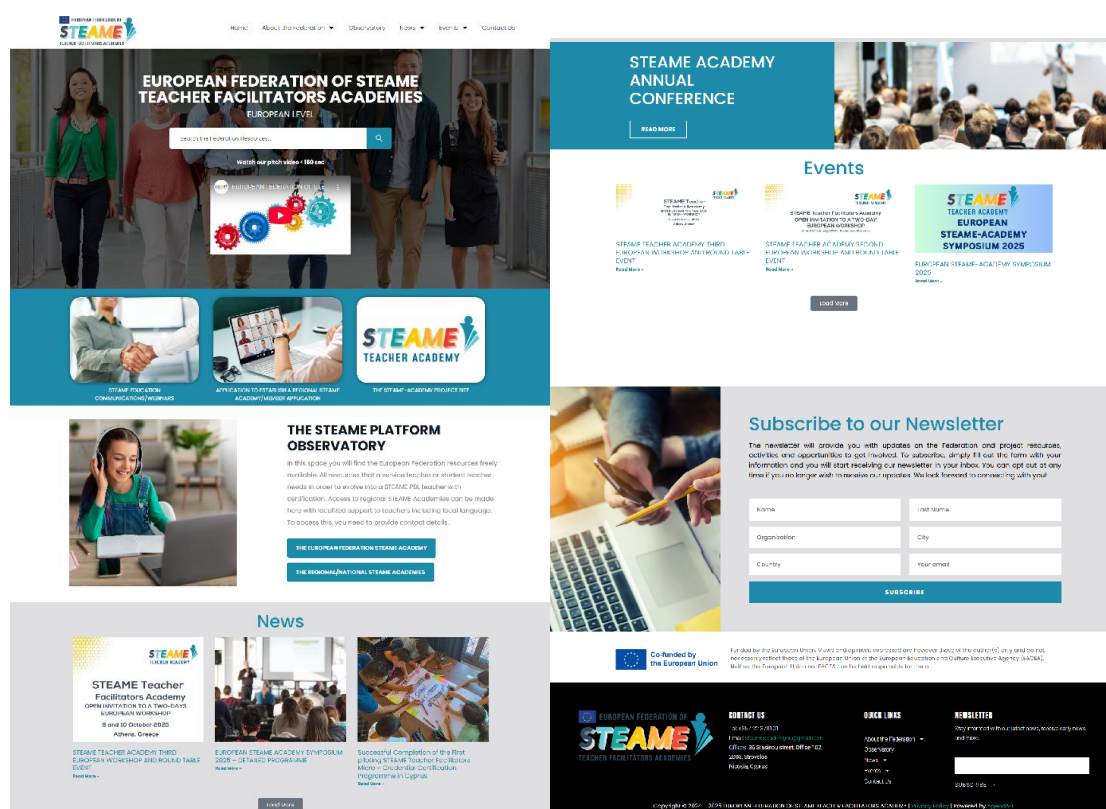
Descrição:

Disponibiliza ligações de navegação rápida, informações de contacto e um último convite à subscrição.

Finalidade:

Garantir que os utilizadores conseguem encontrar facilmente as páginas principais do sítio, a partir de qualquer ponto, e contactar a Federação para um maior envolvimento.

Apêndice 1 - Acesso à Plataforma e Navegação



4. PÁGINA INICIAL DO OBSERVATÓRIO STEAME

Esta página funciona como **porta de entrada para o Observatório STEAME**, o núcleo funcional da plataforma. Dá acesso a ferramentas e formulários para submeter conteúdos, candidatar-se à certificação, participar em atividades de mentoria e consultar as academias, os planos e os eventos disponíveis. Esta secção é dinâmica e foi concebida tanto para professores em serviço como para professores em formação. <https://federation-steame-academies.eu/the-platform-observatory/>

1. Cabeçalho superior e menu contextual

Descrição:

A página inclui uma área de subnavegação contextual a partir da qual os utilizadores podem aceder rapidamente a ferramentas e funcionalidades relacionadas, tais como:

- Sobre o Projeto
- Certificação de Professores STEAME
- Programa de Mentoria
- Comunicações sobre Educação STEAME
- Revista STEAME
- Academias
- Eventos
- Notícias
- Recursos da Federação
- Ligações e Materiais Úteis

Finalidade:

Proporcionar aos utilizadores um acesso rápido e organizado, num único local, a todos os elementos funcionais da plataforma. Cada ligação conduz a um recurso ou formulário de submissão diferente.

2. Título principal: «O Observatório da Plataforma STEAME»

Descrição:

Este título em destaque introduz o utilizador à secção Observatório, apresentada como o núcleo funcional do *site* onde ocorre a colaboração educativa efetiva.

Finalidade:

Assinalar aos utilizadores que este é o ponto de partida para explorar todas as ferramentas — certificação, planos, eventos, mentoria e outras funcionalidades.

3. Ligação de acesso direto: Academias STEAME de nível regional/nacional

Descrição:

Um botão grande com uma seta para a direita (→), identificado como «Academias STEAME de nível regional/nacional».

Finalidade:

Encaminhar os utilizadores para o mapa interativo ou diretório de academias regionais e nacionais às quais podem aderir ou que podem contactar, em função da sua área geográfica.

4. Formulário de contacto e acesso (campos obrigatórios)

Descrição:

Abaixo do conteúdo principal do Observatório encontra-se um **formulário de dados pessoais** em conformidade com o RGPD, que solicita as seguintes informações obrigatórias:

- Nome completo
- Correio eletrónico
- País (menu pendente com todos os países do mundo)
- Cidade
- Caixa de seleção de consentimento ao abrigo do RGPD

Finalidade:

Permitir que professores em serviço, professores em formação ou candidatos a uma academia se identifiquem e iniciem contacto com a plataforma, sobretudo para ligações regionais ou para manifestar interesse na certificação.

Esta secção funciona como ponto de entrada para disponibilizar orientação personalizada ou desencadear contactos de seguimento por correio eletrónico, com base no país e na região.

5. Contadores em tempo real: métricas do projeto

Descrição:

Uma linha de contadores apresenta quatro métricas do projeto (atualmente com o valor «0», possivelmente dinâmicas):

- Número de países
- Número de academias
- Número de línguas
- Número de Planos de Aprendizagem e Criatividade

Cada indicador apresenta a referência «até 15 de janeiro de 2025».

Finalidade:

Comunicar de forma transparente o progresso da plataforma e as metas de participação, ajudando os utilizadores a compreender o alcance e a fase de desenvolvimento da iniciativa.

6. Secção de Recursos da Federação

Descrição:

Um parágrafo detalhado explica a finalidade da Federação — **formar professores**, promover a **aprendizagem STEAME baseada em projetos** e criar uma **rede europeia de Academias**. Destaca as ligações ao Erasmus+ e a visão de longo prazo para a transformação educativa.

Finalidade:

Proporcionar um contexto conceptual e profissional à plataforma, mostrando que esta não é apenas uma ferramenta, mas uma iniciativa estratégica destinada a contribuir para o futuro da educação STEAME na Europa.

7. Certificação Europeia de Professor Facilitador STEAME (microcredencial)

Descrição:

Um bloco de texto apresenta o Percorso de Certificação e explica como os utilizadores podem candidatar-se:

- Através de uma academia local (regional)
- Ou, caso não exista nenhuma, diretamente através da Federação

Abaixo encontra-se um botão de ação com a indicação «**CANDIDATAR-ME AGORA**», acompanhado da menção «Submeter o relatório online (FERRAMENTA EM CONSTRUÇÃO)».

Finalidade:

Orientar professores em serviço ou em formação para o reconhecimento profissional formal no quadro da Federação.

8. Secções de Ligações Úteis (três subsecções)

Descrição:

Organizadas por tipo de público, estas subsecções apresentam ligações para recursos externos:

- **Professores em serviço no ensino escolar** – STEAME na educação escolar
- **Professores em formação – Ensino Superior** – Ligações específicas do ensino superior
- **Alunos do ensino escolar** – Ferramentas de competências e vídeos educativos

Finalidade:

Disponibilizar ligações e ferramentas de aprendizagem direccionadas para os diferentes públicos que utilizam a plataforma.

9. Visão geral do Programa de Mentoria

Descrição:

Duas subsecções:

- «*Tornar-se Mentor STEAME*» — convida professores experientes a acompanhar professores em formação
- «*Encontrar um Mentor STEAME para mim*» — convida professores em formação a solicitar apoio de mentoria

Finalidade:

Construir uma estrutura de mentoria duradoura e de apoio, que articule experiência e aprendizagem.

10. Subscrição do boletim informativo (secção inferior)

Descrição:

Uma repetição do formulário geral de subscrição do boletim informativo da plataforma: Nome, Correio eletrónico, Organização, Cidade, País.

Finalidade:

Aumentar a lista de contactos da Federação e manter os utilizadores informados sobre atualizações e oportunidades.

Apêndice 2 - Página Inicial do Observatório STEAME



THE PLATFORM OBSERVATORY

REGIONAL, NATIONAL, EUROPEAN ACADEMIES



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The Federation Resources

This is STEAME Teacher Academy's platform to provide you with resources and tools to support your learning journey. We are proud to provide you with a range of resources to support your learning journey. We are proud to provide you with a range of resources to support your learning journey. We are proud to provide you with a range of resources to support your learning journey.

[View more](#)

EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION

This is the European Teacher Facilitator Certification. It is a certification that is awarded to teachers who have completed the European Teacher Facilitator Certification. It is a certification that is awarded to teachers who have completed the European Teacher Facilitator Certification. It is a certification that is awarded to teachers who have completed the European Teacher Facilitator Certification.

[Apply now](#)

[Submit your portfolio \(online & offline\)](#)

Useful Links

SCHOOL SERVICE TEACHERS
If you are a school service teacher, you can find useful links to support your learning journey.

STUDENT TEACHERS - HIGHER EDUCATION
If you are a student teacher, you can find useful links to support your learning journey.

SCHOOL STUDENTS
If you are a school student, you can find useful links to support your learning journey.

Mentoring Programme

Become a STEAME Mentor
If you are a teacher, you can become a STEAME Mentor. You will be able to support other teachers in their learning journey.

Find a STEAME Mentor for you
If you are a teacher, you can find a STEAME Mentor for you. You will be able to support other teachers in their learning journey.



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First Name

Last Name

Organisation

City

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CONTACT US

For more information, please contact us at info@steame.eu or [+352 20 20 20 20 20](tel:+3522020202020).

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5. FUNCIONALIDADES DE NOTÍCIAS E EVENTOS

1. Secção de Notícias

A secção **Notícias** da plataforma da Federação STEAME destina-se à publicação de atualizações oficiais, anúncios e relatórios de progresso da Federação e dos seus parceiros. Será utilizada para:

- Informar as partes interessadas sobre marcos do projeto, eventos concluídos, novos recursos e publicações
- Dar visibilidade ao impacto das atividades da Federação em toda a Europa
- Manter a transparência e um fluxo regular de comunicação com educadores, parceiros e o público em geral

O conteúdo desta secção é selecionado e publicado pela equipa da Federação. Funciona como arquivo central de todas as principais atualizações relacionadas com a iniciativa europeia das Academias de Professores STEAME.

2. Secção de Eventos

A secção **Eventos** centra-se na divulgação de próximas atividades, tais como:

- Workshops, simpósios e mesas-redondas sobre certificação organizados pela Federação
- Principais encontros europeus ou nacionais relacionados com a educação STEAME
- Datas importantes para formação de professores, participação nas academias ou divulgação do projeto

Esta secção ajudará os utilizadores a planear a sua participação, manter-se informados e estabelecer ligação com oportunidades de desenvolvimento profissional. Os eventos são publicados pela Federação ou, futuramente, através de contributos de utilizadores verificados.

3. Submissão de Eventos pela Comunidade*

A plataforma incluirá em breve uma funcionalidade de **Submissão de Eventos pela Comunidade**, que permitirá a professores, representantes de Academias STEAME e outros colaboradores propor eventos diretamente através da plataforma. Embora esta funcionalidade esteja atualmente **em construção**, foi concebida para apoiar a participação de base e aumentar a visibilidade das iniciativas STEAME locais.

Prevê-se que esta funcionalidade:

- **Permita a partilha**, a partir da comunidade, de eventos relacionados com STEAME, tais como workshops escolares, ações de formação organizadas por academias, competições interdisciplinares e conferências educativas
- **Disponibilize um formulário de submissão normalizado** com campos obrigatórios, incluindo:
 - Título do evento
 - Descrição
 - Data e hora
 - Localização (presencial ou *online*)
 - Público-alvo
 - Informações de contacto do organizador
- **Integre um processo de moderação e aprovação:**
 - Os eventos submetidos serão analisados pela equipa administrativa da Federação para assegurar o alinhamento com os objetivos educativos STEAME

- Apenas os eventos aprovados serão publicados e apresentados no calendário público de eventos da plataforma
- Os colaboradores poderão ser contactados para prestar esclarecimentos ou fornecer informações adicionais antes da aprovação

Esta futura funcionalidade irá ampliar significativamente a capacidade da plataforma para dinamizar a comunidade, disponibilizando aos educadores de toda a Europa um canal para promoverem as suas próprias atividades. Apoia o objetivo da Federação STEAME de fomentar a visibilidade colaborativa, o envolvimento local e a inovação liderada por professores no quadro mais amplo da educação STEAME.

4. Secção do Boletim Informativo

A secção **Boletim Informativo** disponibiliza edições descarregáveis dos boletins informativos da Federação, publicados em intervalos regulares. Destina-se a:

- Resumir notícias, realizações e próximas oportunidades
- Disponibilizar um formato prático para partilhar atualizações com redes mais alargadas
- Permitir que as partes interessadas se mantenham informadas, mesmo que não visitem o sítio Web com frequência

Os boletins informativos anteriores são arquivados por ano e podem ser descarregados em formato PDF, permitindo a educadores e parceiros institucionais acompanhar a evolução do projeto ao longo do tempo.

6. FERRAMENTAS DO OBSERVATÓRIO STEAME

6.1 Percurso de Certificação de Professor Facilitador STEAME (em desenvolvimento)*

A plataforma da Federação STEAME está a preparar o lançamento de um **percurso estruturado de certificação para professores**, destinado a reconhecer a sua capacidade para conceber e implementar atividades de aprendizagem STEAME interdisciplinares e baseadas em projetos. Esta certificação será atribuída sob a forma de uma **microcredencial** e está alinhada com um quadro de competências desenvolvido a nível europeu.

Objetivo da Certificação

O processo de certificação tem como objetivos:

- Proporcionar aos professores experiência prática em educação STEAME
- Validar a sua capacidade para criar e aplicar Planos interdisciplinares de Aprendizagem e Criatividade (Planos L&C)
- Promover práticas de ensino reflexivas e uma avaliação estruturada
- Apoiar o desenvolvimento profissional e o reconhecimento dos educadores em toda a Europa

O processo destina-se especialmente a **professores em serviço** (que se encontram a lecionar) e a **professores em formação** (futuros docentes), promovendo a colaboração e a aprendizagem entre pares.

Estrutura do Processo de Certificação

Os professores seguirão um processo faseado de elaboração de relatório e avaliação, que inclui os seguintes componentes principais:

1. Cocriação em equipa

- Os candidatos devem constituir uma equipa de, pelo menos, dois educadores para conceberem em conjunto um Plano de Aprendizagem e Criatividade STEAME.
- Cada candidato fornece informações sobre o seu percurso docente (disciplina, nível de ensino, instituição, etc.) no âmbito da candidatura inicial.

2. Desenvolvimento e Submissão do Plano

- A equipa submete um Plano de Aprendizagem e Criatividade concluído, em formato PDF.
- Para cada um dos 14 módulos STEAME disponíveis na plataforma, os candidatos devem refletir sobre a forma como os respetivos elementos foram integrados no seu Plano L&C (até 50 palavras por módulo).

3. Implementação em Sala de Aula

- O Plano L&C deve ser implementado com os alunos ao longo de uma série de aulas.
- Os candidatos indicam o número de alunos envolvidos, bem como as datas exatas de implementação.
- As evidências da implementação são submetidas sob a forma de fotografias ou vídeos.

4. Autorizações Parentais

- Os professores devem confirmar se obtiveram autorização dos encarregados de educação para quaisquer conteúdos multimédia submetidos.

- Caso não tenham obtido essa autorização, devem apresentar uma declaração de privacidade assinada.

5. Feedback e Reflexão

- O feedback dos alunos é recolhido através de um conjunto normalizado de perguntas que abrange quatro áreas principais:
 - Relevância do projeto para situações da vida real
 - Clareza dos métodos e experiência de trabalho em equipa
 - Autonomia dos alunos e responsabilização pela própria aprendizagem
 - Interesse e motivação a longo prazo para continuar a aprender através da abordagem STEAME
- Os dados em bruto (anonimizados) devem ser submetidos em formato Excel.
- Cada professor deve refletir por escrito sobre este feedback.

6. Autoavaliação

- Os candidatos devem avaliar o seu próprio desempenho com base numa **Framework de Competências** abrangente, que inclui:
 - Contextualização de projetos STEAME
 - Qualidade metodológica e apoio à aprendizagem
 - Autonomia dos alunos e acompanhamento
 - Inovação e sustentabilidade no ensino STEAME

Cada área de competência inclui descritores de desempenho em três níveis, devendo os candidatos:

- Selecionar o descritor que corresponde ao seu nível
- Justificar por escrito a sua autoavaliação (até 50 palavras por critério)

Avaliação e Validação

Depois de submetido, o relatório completo será analisado por avaliadores da Federação (ou por uma Academia STEAME Regional, quando aplicável). A avaliação terá em consideração:

- A qualidade do Plano L&C
- As evidências da implementação em sala de aula
- O feedback e o envolvimento dos alunos
- A integralidade e a exatidão da autoavaliação

Os candidatos que cumpram os padrões definidos no quadro de competências receberão a **Certificação de Professor Formador STEAME**, que poderá também ser utilizada para apoiar o desenvolvimento da carreira ou processos de acreditação adicionais.

Nota: Até à conclusão do sistema integral de submissão online, a elaboração e entrega do relatório são efetuadas manualmente através de modelos descarregáveis. Depois de concluído, o processo será totalmente integrado na plataforma STEAME.

6.2 Programa de Mentoria – Funcionalidades para Mentores e Mentorandos

O **Programa de Mentoria STEAME** é um sistema estruturado integrado na plataforma, concebido para promover o desenvolvimento profissional através da ligação entre professores STEAME experientes (mentores) e professores em início de carreira ou em formação (mentorandos). O sistema encontra-se totalmente integrado e disponibiliza um processo simplificado de registo, verificação, aprovação e inclusão numa listagem pública.

Objetivo do Sistema de Mentoria

Este programa tem como objetivos:

- Facilitar orientação prática a professores em formação durante a implementação de metodologias STEAME
- Promover a transferência intergeracional de conhecimentos entre educadores experientes e profissionais em início de carreira
- Reforçar a comunidade STEAME, incentivando a colaboração e o apoio mútuo

O programa assenta em dois papéis fundamentais:

- **Mentores** – Professores em serviço experientes ou formadores de professores nas áreas STEAME
- **Mentorandos** – Professores em formação, novos educadores ou professores em serviço que procuram apoio para integrar a abordagem STEAME

Funcionalidades Principais

O sistema é composto por três elementos principais:

1. Página de Apresentação de Mentores

Os mentores aprovados são apresentados num **diretório público**, no qual os mentorandos podem consultar os perfis disponíveis. Cada entrada de mentor inclui:

- Nome, afiliação e país
- Áreas de especialização ou de interesse (por exemplo, disciplinas STEAME e temas de mentoria)
- Opção para os professores em formação manifestarem interesse em estabelecer contacto

Esta funcionalidade promove a visibilidade e a acessibilidade dos mentores entre diferentes regiões.

2. Formulário de Candidatura a Mentor e Aprovação

Os professores que pretendem tornar-se mentores preenchem um **Formulário de Registo de Mentor** específico, no qual fornecem:

- Dados de contacto completos e afiliação
- Formação académica e experiência de ensino
- Áreas em que podem prestar mentoria
- Consentimento para constarem da lista pública de mentores

O sistema inclui as seguintes funcionalidades de gestão interna:

- É enviada automaticamente uma **notificação por correio eletrónico** ao administrador após a submissão
- A utilização de um **código de verificação** garante a segurança durante a submissão
- Após a introdução do código, é apresentada uma mensagem dinâmica: «A verificar o código, aguarde...»

- Os metadados da submissão são armazenados de forma segura em campos de metadados das publicações
- Os mentores podem ser **aprovados ou rejeitados** pelo administrador através de uma interface de moderação (semelhante à utilizada para aprovar comentários)

3. Formulário de Registo de Mentorando

Os mentorandos registam-se através de um formulário simples e estruturado, que solicita:

- Nome, correio eletrónico, instituição (se aplicável) e área(s) de interesse
- Preferência opcional por um mentor específico

Aspeto principal do processo:

- Após submeter o formulário e **confirmar com êxito o endereço de correio eletrónico através do código de verificação**, o mentorando é **aprovado automaticamente**
- Nesta fase, não é necessária qualquer intervenção manual por parte do administrador da plataforma
- São enviados e-mails de confirmação ao mentorando e o respetivo pedido fica ativo no sistema
- É atribuída ao mentorando uma palavra-passe, a utilizar em conjunto com o endereço de correio eletrónico, para que possa voltar a aceder à página caso não encontre um mentor adequado no primeiro registo.

Este processo de acesso simplificado contribui para incentivar uma participação mais alargada, mantendo simultaneamente a responsabilização através da verificação por correio eletrónico.

Tanto as submissões de mentores como as de mentorandos geram **notificações por correio eletrónico** para os administradores da plataforma, permitindo-lhes gerir o processo de forma eficiente.

Processo de Correspondência (lógica atual)

Quando mentores e mentorandos se encontram registados no sistema:

- **Os mentorandos podem consultar livremente a lista de mentores aprovados** e escolher um mentor com quem tenham interesse em estabelecer contacto
- No entanto, os **mentorandos não recebem diretamente os dados de contacto do mentor**
- Em vez disso, o mentorando utiliza um **formulário de contacto integrado** na plataforma para enviar um pedido. Esta mensagem é enviada para:
 - O mentor selecionado
 - A equipa administrativa da Federação

Desta forma, todos os primeiros contactos são **iniciados de forma segura e com supervisão**.

Os mentores podem então decidir se pretendem prosseguir.

- Se o mentor estiver **disponível para participar**, poderá responder **diretamente ao mentorando por correio eletrónico**
- O mentor **não é obrigado a colocar a Federação em CC** — a resposta é privada, preservando a autonomia e a privacidade após o contacto inicial

Esta abordagem assegura:

- Apresentações controladas e baseadas no consentimento
- Proteção de dados e conformidade com o RGPD
- Liberdade para os mentores decidirem se pretendem participar, mantendo simultaneamente um primeiro ponto de contacto profissional

O sistema permite tanto **contactos iniciados pelos próprios mentorandos** como o **estabelecimento de correspondências com apoio do administrador**, quando adequado, oferecendo flexibilidade e capacidade de crescimento.

Apêndice 3 - Programa de Mentoria – Funcionalidades para Mentores e Mentorandos

Apêndice 3.1 - Formulário de Registo de Mentores



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Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of School, HBL, website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science

☐ Technology

☐ Engineering

☐ Arts

☐ Mathematics

☐ Entrepreneurship

Select All

Upload Photo (required)

Choose file

No file chosen

Accepted file types: jpg, png, png, Max file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship

☐ In-person Collaboration

☐ Co-creation/Innovation Studio Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?

☐ Associate partner of the project STEAM-Academy

☐ Private

☐ Public

☐ School (Any grades within K-12)

☐ Higher education

☐ Training Centre

☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Apêndice 3.2 - Programa de Mentoria – Funcionalidades para Mentorandos



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

Click the "Send Code" button to receive a verification code via email.
 If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (required)

- ☐ Member of the European Federation of STEAM Teacher Facilitators Academies?
☐ Associate partner of the project STEAM-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12?)
☐ Higher Education
☐ Training Centre
☐ Other

Mentorship Type (Required)

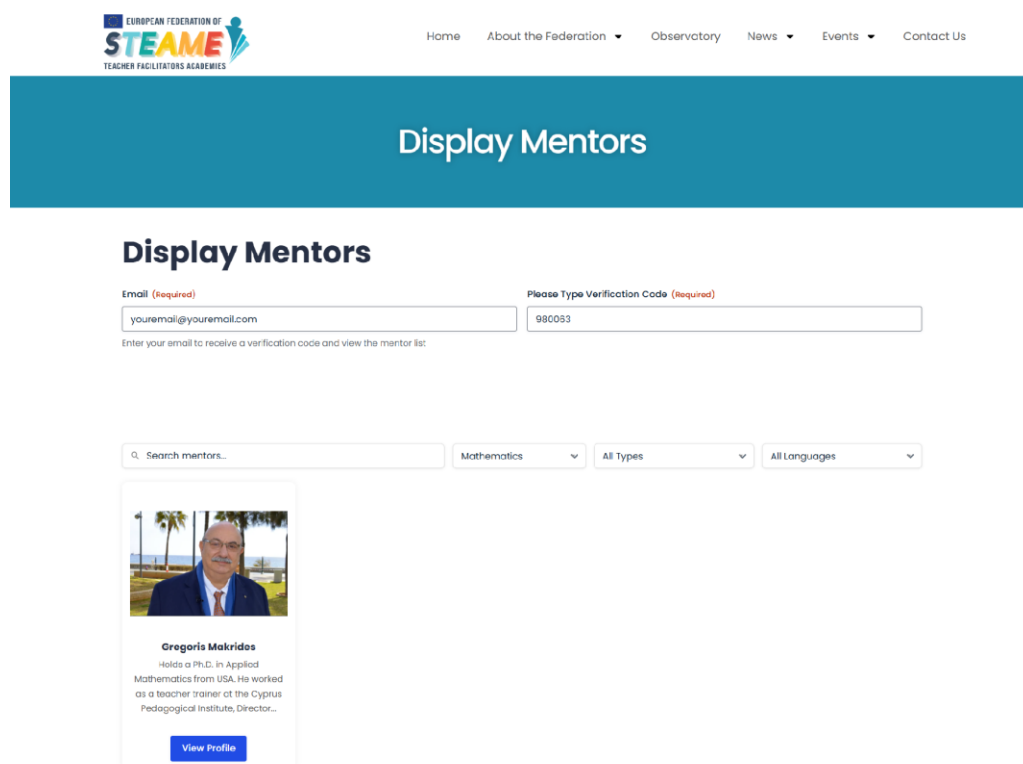
- ☐ Online Mentorship
☐ Internship Collaboration
☐ Co-creation towards STEAM Certification



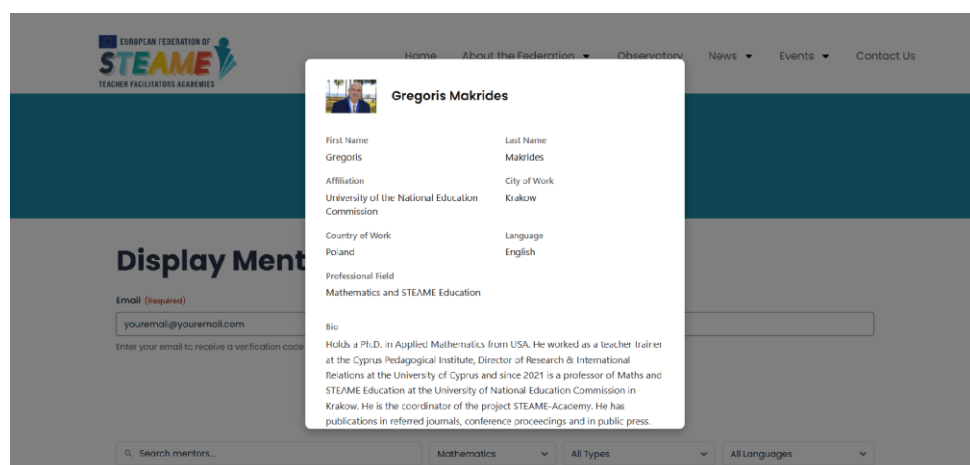
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Apêndice 3.3 - Programa de Mentoria – Apresentação dos Mentores



Apêndice 3.4 - Programa de Mentoria – Apresentação da Biografia dos Mentores



6.3 Planos de Aprendizagem e Criatividade

A secção **Planos de Aprendizagem e Criatividade (Planos L&C)** da plataforma STEAME funciona como um repositório digital de planos de aula interdisciplinares e baseados em projetos, alinhados com o quadro educativo STEAME (Ciência, Tecnologia, Engenharia, Artes, Matemática e Empreendedorismo). Estes recursos são desenvolvidos por educadores, avaliados através de fases-piloto e disponibilizados para apoiar a implementação em sala de aula em diferentes grupos etários e níveis de ensino.

Objetivo da Secção

Esta secção foi concebida para:

- Disponibilizar **planos de aula prontos a utilizar** por educadores que trabalham em áreas STEAME
- Incentivar o pensamento interdisciplinar, apresentando exemplos que combinam várias disciplinas em atividades de aprendizagem coerentes
- Apoiar os professores que participam no **Percurso de Certificação STEAME**, no qual a criação e aplicação de um Plano L&C constitui um requisito central
- Promover a **colaboração**, a **criatividade** e a **inovação** nas salas de aula europeias

Cada plano destaca a relevância para situações reais, o trabalho em equipa, a aprendizagem ativa e a aplicação da metodologia STEAME através de uma conceção estruturada de projetos.

Principais Funcionalidades e Estrutura

Os educadores que acedem à secção Planos de Aprendizagem e Criatividade podem:

- **Consultar a biblioteca completa de planos publicados**
- **Filtrar os planos por:**
 - **Categorias disciplinares** (por exemplo, Ciências, Matemática, Engenharia, Artes, etc.)
 - **Grupo etário** (por exemplo, 10–14, 14–18 ou níveis específicos)
 - **Língua**
 - **Autor**
- **Consultar os detalhes de cada plano**, incluindo:
 - Título e código do plano (por exemplo, «ST53 – O Futuro da Energia»)
 - Grupo etário-alvo e disciplinas curriculares
 - Nome do autor e instituição
 - Breve descrição e objetivos de aprendizagem
 - Acesso ao plano completo para descarregamento ou à respetiva pré-visualização
- **Utilizar opções avançadas de filtragem** para encontrar planos relevantes para temas, países ou contextos educativos específicos

Cada plano é objeto de revisão por pares ou de pilotagem durante o seu desenvolvimento, assegurando um nível de qualidade e de alinhamento com os princípios de ensino STEAME.

Utilização na Certificação e no Ensino Quotidiano

Para os professores que seguem o **Percurso de Certificação STEAME**, selecionar ou criar um Plano de Aprendizagem e Criatividade é uma etapa obrigatória do processo. Estes planos funcionam simultaneamente como:

- **Modelo** para o desenvolvimento de atividades interdisciplinares
- **Requisito de submissão** associado à implementação em sala de aula e ao feedback dos alunos

Para todos os educadores, o repositório de Planos L&C constitui uma **fonte de inspiração**, ajudando-os a integrar a metodologia STEAME em situações reais de sala de aula, através de exemplos práticos e adequados à idade dos alunos.

Apêndice 4 - Planos de Aprendizagem e Criatividade



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THE FEDERATION RESOURCES

Category

All videos available in the Resources below are available in 9+ languages subtitles. Please see the relevant tutorial [here](#) on how to enable options and switch the subtitles' language.

Find a Resource

PS: Pre-service Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

Click [HERE](#) to view a full list of Learning & Creativity Plans

SHOW RESULTS

☐ Reset All

Category

☐ European Level
 ☒ Learning & Creativity Plans
 ☐ Modules

Subcategory

+

Age Levels

+

Language

+

SHOW RESULTS

☐ Reset All

Descending

Ascending

Most Viewed

Regional Academies

10-18



PS1- Finding science and mathematics in arts of folklores
 Daif-EN

10-14



PS2- Discovering Antoni Gaudi
 EN

10-14



PS3- Eco multi-use cube from reused water plastic bottles
 EN

10-14



PS4- Sound proof panels from reused polyester fabric waste
 EN

10-14



PS5- Water filter ecological straw
 EN

14-18



PS6- Research AI tools in education
 EN

14-18



PS7- Exploring and presenting AI tools within school assignments
 EN

14-18



PS8- Escape Room in the classroom
 EN

10-14



PS9- Four triangle centres and the Euler Line
 EN

14-18



PS10- Programming through gamification
 EN

10-14



PS11- Weather in my city
 EN

10-14



PS12- Eco-Innovation Designing a Sustainable Product using Chat GPT
 EN

10-14



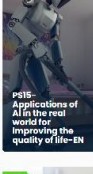
PS13- Ancient Greek Innovators Exploring and Boosting Technology
 EN

10-14



PS14- Sustainable Tourism in Rhodes
 EN

14-18



PS15- Applications of AI in the real world for improving the quality of life
 EN

14-18



PS16- The Spread of Infectious Diseases
 EN

14-18



PS17- Handling Data in the context of Climate Change
 EN

14-18



PS18- Using Simple Linear programming
 EN

14-18



PS19- Sweet Hive Venture
 EN

14-18



PS20- Art Studio
 EN

1

2

3

4

Next



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6.4 Academias Regionais e Nacionais

A secção **Academias STEAME Regionais e Nacionais** da plataforma apresenta a rede crescente de Academias STEAME de âmbito local, estabelecidas na Europa e noutros territórios. Estas academias funcionam de acordo com a coordenação e os padrões de qualidade da Federação STEAME e atuam como polos nacionais ou regionais de formação de professores, mentoria, certificação e divulgação de práticas de aprendizagem STEAME.

Objetivo da Secção

Esta secção tem como objetivos:

- **Representar a distribuição geográfica** das Academias STEAME ativas em diferentes países
- **Dar visibilidade** aos intervenientes regionais que apoiam a implementação local do quadro STEAME
- **Orientar professores e instituições** para a academia mais próxima, de modo a acederem a certificação, formação e apoio da comunidade
- **Incentivar a criação** de novas academias regionais no âmbito da Federação

Esta secção está alinhada com a visão mais ampla do projeto STEAME: ampliar a transformação educativa, promovendo a apropriação e a adaptação a nível local no contexto de um quadro europeu estruturado.

Principais Funcionalidades e Estrutura

A secção inclui:

6.4.1 Listagem de Países

Uma lista dos países participantes com Academias STEAME Regionais em funcionamento ou em desenvolvimento. Cada entrada de país pode incluir ligações para informações adicionais sobre a academia, tais como:

- Instituição de acolhimento
- Ponto de contacto
- Língua de funcionamento
- Programas ativos e atividades STEAME locais

Os países atualmente envolvidos incluem, a título de exemplo: Bélgica, Bulgária, Chipre, Grécia, Polónia, Portugal, Roménia e Espanha. Prevê-se que a lista aumente à medida que sejam aprovadas novas academias.

6.4.2 Candidatura para Criar uma Nova Academia

As organizações (por exemplo, escolas, centros de formação de professores, ONG ou universidades) que pretendam criar uma Academia STEAME na sua região podem fazê-lo através da plataforma. A secção inclui:

- Uma opção de ação clara «**Criar uma Academia STEAME Regional**»
- Um botão «**Candidatar-me agora**», que conduz ao formulário de candidatura ou ao processo de submissão

Estas candidaturas são analisadas pela Federação de acordo com as orientações aplicáveis e o alinhamento com os objetivos do projeto.

6.4.3 Convite à Adesão à Federação

Para além de criarem uma academia, as instituições podem também candidatar-se a **membros da Federação**. Para esse efeito, está disponível uma opção separada «**Tornar-se Membro**», com o respetivo botão «**Candidatar-me agora**».

Resumo do Processo

1. Os **professores** que visitam a plataforma podem identificar a respetiva academia nacional ou regional e contactá-la para obter apoio.
2. As **instituições** podem candidatar-se à criação de novas academias onde ainda não existam, contribuindo para a expansão do ecossistema STEAME.
3. A **mentoria e a certificação** são frequentemente asseguradas através destas academias, que constituem pontos de contacto locais para a implementação do programa.

Apêndice 5 - Academias Regionais e Nacionais

Apêndice 5.1 - Academias Regionais e Nacionais

EUROPEAN FEDERATION OF
STEAME
TEACHER FACILITATORS ACADEMIES

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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

APPLY NOW

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

APPLY NOW



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Apêndice 5.2 - Formulário para Criar uma Academia Regional



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

Choose file No file chosen

NEXT



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Notas

* As funcionalidades assinaladas com * serão disponibilizadas durante o período de execução do projeto.

Ligações Úteis

- Ver todos os mentores disponíveis para mentorandos (inclui funcionalidade de pesquisa): <https://federation-steame-academies.eu/display-mentors/>
- Submissão do formulário de mentorando: <https://federation-steame-academies.eu/mentees-form/>
- Submissão do formulário de mentor: <https://federation-steame-academies.eu/mentors-form/>

GERMAN



STEAME TEACHER FACILITATORS ACADEMY

Referenznummer: 101102619

Projektlaufzeit: 1. Juni 2023 bis 31. Mai 2026

WP4

D4.2 Webbasiertes Observatorium der europäischen STEAME-Lehrkräfteakademien: Das Tool

Federführender Partner für das Deliverable: Cyprus Mathematical Society

www.steame-academy.eu



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Veröffentlicht am: 27. Mai 2025

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1. EINFÜHRUNG

Das webbasierte Observatorium der europäischen STEAME Teacher Facilitators Academies bildet die zentrale digitale Infrastruktur zur Unterstützung der koordinierten Aktivitäten regionaler und nationaler STEAME-Akademien in ganz Europa. Es ist ein Deliverable des von der EU finanzierten Projekts European STEAME Teacher Facilitators Academy, das die interdisziplinäre Bildung voranbringen soll, indem Lehrkräfte durch Fortbildung, Ressourcen, Zertifizierung und kooperative Strukturen auf Grundlage der STEAME-Methodik gestärkt werden – Naturwissenschaften, Technologie, Ingenieurwesen, Kunst, Mathematik und Unternehmertum.

Dieses Handbuch bietet eine vollständige Einführung in die Plattform unter: <https://federation-steame-academies.eu>

Ziel ist es, Lehrkräfte, Leitungen von STEAME-Akademien, institutionelle STEAME-Koordinatorinnen und -Koordinatoren sowie Projektpartner durch den gesamten Funktionsumfang der Plattform zu führen. Es wird erläutert, wie Sie:

- die öffentlichen Bereiche und Mitgliederbereiche der Website nutzen
- neue STEAME-Akademien registrieren
- STEAME-Lern- und Kreativitätspläne aufrufen und einreichen
- Zertifizierungswege für Lehrkräfte beantragen und verwalten
- an Mentoring-Programmen teilnehmen
- Veranstaltungen einreichen und Neuigkeiten mit der breiteren STEAME-Community teilen
- bei allen Einreichungen die DSGVO-Konformität sicherstellen

Das Observatorium dient sowohl als Ressourcensammlung als auch als kooperatives Ökosystem. Seine Werkzeuge schaffen Sichtbarkeit und Verbindungen zwischen Institutionen und bieten Lehrkräften zugleich strukturierte Möglichkeiten zur Mitwirkung über standardisierte Formulare, interaktive Verzeichnisse und Angebote zur beruflichen Weiterentwicklung.

Dieses Handbuch ist nach Plattformbereichen gegliedert und enthält:

- Navigationsstruktur
- Zweck und Funktionen der einzelnen Bereiche
- Screenshots zur visuellen Orientierung
- Schritt-für-Schritt-Anleitungen für alle interaktiven Formulare
- Partner- und Kontaktinformationen

2. PLATTFORMZUGANG & NAVIGATION

Das STEAME-Observatorium ist erreichbar unter: <https://federation-steame-academies.eu>

Die Plattform ist öffentlich zugänglich und für moderne Webbrowser optimiert, darunter Google Chrome, Mozilla Firefox, Microsoft Edge und Safari.

Hauptnavigationsmenü

Das Hauptnavigationsmenü befindet sich oben auf jeder Seite und ermöglicht einen einfachen Zugriff auf alle öffentlichen und interaktiven Bereiche. Folgende Menüpunkte stehen zur Verfügung:

1. Home – Die Startseite der Plattform mit der Mission, aktuellen Meldungen und den zentralen Aktivitäten der STEAME-Föderation.
2. Föderation – Ein ausführlicher Bereich zu Struktur, Vision und Kernelementen der Föderation der STEAME-Akademien.
3. STEAME-Observatorium – Die zentrale Anlaufstelle mit Links zu allen wichtigen Plattformfunktionen, darunter:
 - Regionale/nationale Akademien
 - Lern- und Kreativitätspläne
 - Zertifizierungswege für Lehrkräfte
 - Mentoring-Programm
 - Ihre Akademie einreichen
 - Ihre Veranstaltung einreichen
4. News & Veranstaltungen – Eine Übersicht aktueller Ankündigungen, Veröffentlichungen und bevorstehender Aktivitäten.
5. Kontakt – Direkter Link zum Kontaktformular der Plattform und zur DSGVO-Einwilligung.

Wo verfügbar, können Nutzende Unterbereiche auch über Dropdown-Menüs aufrufen.

Zugriff auf Einreichungsfunktionen

Der größte Teil der Plattform ist öffentlich zugänglich. Für bestimmte Einreichungsfunktionen, z. B. die Registrierung einer Akademie, das Einreichen einer Veranstaltung oder das Hochladen eines Zertifizierungswegs, müssen Nutzende jedoch Online-Formulare ausfüllen. Diese sind über Links auf den jeweiligen Seiten im Bereich STEAME-Observatorium erreichbar.

Barrierefreiheit

Die Website ist responsiv und kann auf Desktop-Computern, Tablets und Smartphones genutzt werden. Zu den Maßnahmen zur Barrierefreiheit gehören:

- Einfache Benutzeroberfläche mit klaren Überschriften
- Standardisierte Formularlayouts
- Optimierte Ladezeiten für alle Verbindungstypen

3. ÜBERBLICK ÜBER DIE STARTSEITE DER FÖDERATION

<https://federation-steame-academies.eu>

1. Kopfbereich und Navigationsmenü

Beschreibung:

Oben auf der Seite befindet sich das Hauptnavigationsmenü der Plattform mit Links zu allen wichtigen Bereichen, darunter:

- *Home*
- Über die Föderation (mit Unterseiten: Profil, Satzung, Vorstand, Mitglieder)
- *Observatorium*
- *News & Newsletter*
- *Veranstaltungen & Einreichungen*
- *Kontakt*

Zweck:

Den Nutzenden einen einheitlichen, jederzeit verfügbaren Zugriff auf die gesamte Struktur der Plattform zu bieten.

2. Plattform-Titelblock

Beschreibung:

Der Name „Europäische Föderation der STEAME Teacher Facilitators Academies“ wird prominent zusammen mit einem Untertitel angezeigt, der den europaweiten Umfang des Projekts verdeutlicht.

Zweck:

Sofort zu vermitteln, dass es sich um eine formelle, von der EU unterstützte Initiative mit Schwerpunkt auf STEAME-Bildung handelt.

3. Video-Pitch-Bereich

Beschreibung:

Ein hervorgehobener Kasten lädt die Nutzenden dazu ein, ein kurzes Werbevideo (unter 150 Sekunden) anzusehen, das Zweck und Vision der Föderation vorstellt.

Zweck:

Neuen Besucherinnen und Besuchern eine schnelle und ansprechende Orientierung zum Projekt zu bieten – ideal für Präsentationen, Öffentlichkeitsarbeit oder die Einführung von Lehrkräften.

4. Schnellzugriffsschaltflächen / zentrale Aktionsbereiche

Beschreibung:

Große anklickbare Felder führen direkt zu den zentralen Werkzeugen der Plattform:

- STEAME-Bildung: Kommunikation & Webinare
- Antrag zur Gründung einer regionalen STEAME-Akademie
- Link zur offiziellen Website des Projekts STEAME-ACADEMY

Zweck:

Nutzende unmittelbar zu besonders wichtigen Aktionen und externen Ressourcen zu führen, die die Gründung lokaler Akademien, Fortbildung und Öffentlichkeitsarbeit unterstützen.

5. Vorschaubereich des STEAME-Plattform-Observatoriums

Beschreibung:

Ein kurzer Informationstext mit dem Titel „Das STEAME-Plattform-Observatorium“ stellt die wichtigsten Funktionen der Observatoriumsplattform vor, darunter:

- Frei verfügbare Ressourcen
- Unterstützung bei der Zertifizierung von Lehrkräften
- Zugang zu regionalen Akademien
- Sprachlich lokalisierte Mentoring-Angebote

Zweck:

Einen Vorgeschmack auf die Funktionen des Observatoriums zu geben und Lehrkräfte dazu anzuregen, Werkzeuge für ihre berufliche Entwicklung und Zusammenarbeit zu erkunden.

6. Highlights der Föderation: Zugangslinks zu Akademien

Beschreibung:

Zwei Textlinks bieten Zugang zu:

- der Europäischen STEAME-Föderationsakademie
- dem Netzwerk regionaler/nationaler STEAME-Akademien

Zweck:

Lehrkräfte oder institutionelle Vertretungen dabei zu unterstützen, Akademien nach Region zu finden und Kontakt zu lokaler Unterstützung aufzunehmen.

7. News-Vorschaubereich

Beschreibung:

Zeigt die drei neuesten Nachrichtenbeiträge mit Titel und Link.

Zweck:

Aktuelle Informationen bereitzustellen und Transparenz über Aktivitäten, Meilensteine und das Engagement der Community in ganz Europa zu gewährleisten.

8. Veranstaltungsvorschaubereich

Beschreibung:

Zeigt die neuesten bevorstehenden oder bereits vergangenen Veranstaltungen im Zusammenhang mit der Föderation und dem Netzwerk der STEAME-Akademien.

Zweck:

Stakeholder über den Kalender projektbezogener Veranstaltungen, Workshops und Konferenzen zu informieren und ihre Beteiligung zu fördern.

9. Formular zur Newsletter-Anmeldung

Beschreibung:

Ein E-Mail-Anmeldeformular, über das Besucherinnen und Besucher regelmäßige Projektinformationen abonnieren können.

Zweck:

Eine Kontaktbasis und einen Kommunikationskanal für die Weitergabe von Ressourcen, Möglichkeiten und Ankündigungen aufzubauen.

10. EU-Förderhinweis

Beschreibung:

Standardtext zum EU-Förderstatus und zum rechtlichen Haftungsausschluss.

Zweck:

Die Unterstützung der EU anzuerkennen und klarzustellen, dass die Inhalte ausschließlich die Ansichten der Autorinnen und Autoren wiedergeben.

11. Fußzeilenbereich

Beschreibung:

Bietet Schnelllinks zur Navigation, Kontaktinformationen und eine abschließende Aufforderung zur Newsletter-Anmeldung.

Zweck:

Sicherzustellen, dass Nutzende von jeder Stelle aus wichtige Seiten der Website leicht finden und für eine weitergehende Beteiligung Kontakt mit der Föderation aufnehmen können.

Anhang 1 – Plattformzugang & Navigation

The screenshot displays the homepage of the European Federation of STEAME Teacher Facilitators Academies. The header includes the STEAME logo and navigation links: Home, About the Federation, Observatory, News, Events, and Contact Us. The main content area is divided into several sections:

- European Federation of STEAME Teacher Facilitators Academies (European Level):** Features a search bar and a section titled "Watch our push videos: TSD and..." with a video player.
- STEAME Academy Annual Conference:** A section with a "READ MORE" button.
- Events:** A section listing upcoming events, including the STEAME Teacher Academy Third European Workshop and Round Table Event, the STEAME Teacher Academy Second European Workshop and Round Table Event, and the STEAME Teacher Academy European Symposium 2025.
- The STEAME Platform Observatory:** A section describing the observatory's purpose and providing links to "THE EUROPEAN FEDERATION STEAME ACADEMY" and "THE REGIONAL/NATIONAL STEAME ACADEMIES".
- News:** A section with a "News" heading and a "READ MORE" button.
- Subscribe to our Newsletter:** A section with a form to subscribe to the newsletter, including fields for Name, Last Name, Organization, City, Country, and Your email, and a "SUBSCRIBE" button.

The footer contains the European Union flag and the text "Co-funded by the European Union", followed by a disclaimer. It also includes contact information, quick links, and a newsletter sign-up section.

4. STARTSEITE DES STEAME-OBSERVATORIUMS

Diese Seite ist das Eingangstor zum STEAME-Observatorium, dem zentralen Funktionsbereich der Plattform. Sie bietet Zugang zu Werkzeugen und Formularen zum Einreichen von Inhalten, zur Beantragung einer Zertifizierung, zur Teilnahme am Mentoring sowie zum Durchsuchen verfügbarer Akademien, Pläne und Veranstaltungen. Der Bereich ist dynamisch und sowohl für praktizierende Lehrkräfte als auch für Lehramtsstudierende konzipiert. <https://federation-steame-academies.eu/the-platform-observatory/>

1. Oberer Kopfbereich und Kontextmenü

Beschreibung:

Die Seite enthält einen kontextbezogenen Unternavigationsbereich, über den Nutzende direkt zu verwandten Werkzeugen und Funktionen wechseln können, darunter:

- Über das Projekt
- STEAME-Zertifizierung für Lehrkräfte
- Mentoring-Programm
- STEAME-Bildungskommunikation
- STEAME Journal
- Akademien
- Veranstaltungen
- News
- Ressourcen der Föderation
- Nützliche Links und Materialien

Zweck:

Nutzenden von einer Stelle aus einen schnellen und geordneten Zugang zu allen Funktionselementen der Plattform zu bieten. Jeder Link führt zu einer anderen Ressource oder einem Einreichungsformular.

2. Haupttitel: „Das Plattform-Observatorium“

Beschreibung:

Diese hervorgehobene Überschrift führt in den Bereich Observatorium ein, der als funktionales Zentrum der Website dargestellt wird, in dem konkrete Bildungszusammenarbeit stattfindet.

Zweck:

Nutzenden zu signalisieren, dass dies der Ausgangspunkt für die Erkundung aller Werkzeuge ist – Zertifizierung, Pläne, Veranstaltungen, Mentoring und mehr.

3. Direktzugang: Regionale/nationale STEAME-Akademien

Beschreibung:

Eine große Schaltfläche mit nach rechts zeigendem Pfeil (→) und der Beschriftung „Regionale/nationale STEAME-Akademien“.

Zweck:

Nutzende zur interaktiven Karte oder zum Verzeichnis regionaler und nationaler Akademien zu führen, denen sie je nach geografischer Lage beitreten oder mit denen sie Kontakt aufnehmen können.

4. Kontakt- & Zugangsformular (Pflichtfelder)

Beschreibung:

Unterhalb der Hauptinhalte des Observatoriums befindet sich ein DSGVO-konformes Formular für personenbezogene Daten, in dem folgende Pflichtangaben abgefragt werden:

- Vollständiger Name
- E-Mail
- Land (Dropdown-Liste mit allen Ländern weltweit)
- Stadt
- Kontrollkästchen zur DSGVO-Einwilligung

Zweck:

Lehrkräften, Lehramtsstudierenden oder Personen, die eine Akademie beantragen möchten, die Möglichkeit zu geben, sich zu identifizieren und Kontakt mit der Plattform aufzunehmen, insbesondere im Hinblick auf regionale Verbindungen oder Interesse an einer Zertifizierung.

Dieser Bereich dient als Zugang zu personalisierter Unterstützung beziehungsweise dazu, abhängig von Land und Region E-Mail-Nachrichten auszulösen.

5. Live-Zähler: Projektkennzahlen

Beschreibung:

Eine Reihe von Zählern zeigt vier Projektkennzahlen (derzeit mit dem Wert „0“, möglicherweise dynamisch):

- Anzahl der Länder
- Anzahl der Akademien
- Anzahl der Sprachen
- Anzahl der Lern- und Kreativitätspläne

Jeder Wert ist mit „bis 15. Januar 2025“ gekennzeichnet.

Zweck:

Fortschritt und Beteiligungsziele der Plattform transparent zu kommunizieren und den Nutzenden damit Reichweite und Entwicklungsstand der Initiative zu verdeutlichen.

6. Bereich „Ressourcen der Föderation“

Beschreibung:

Ein ausführlicher Absatz erläutert den Zweck der Föderation: Lehrkräfte fortzubilden, projektbasiertes STEAME-Lernen zu fördern und ein europäisches Netzwerk von Akademien aufzubauen. Hervorgehoben werden die Verbindungen zu Erasmus+ sowie die langfristige Vision einer Transformation des Bildungswesens.

Zweck:

Der Plattform einen inhaltlichen und professionellen Kontext zu geben und zu zeigen, dass sie nicht nur ein Werkzeug, sondern eine strategische Initiative zur Gestaltung der Zukunft der STEAME-Bildung in Europa ist.

7. Europäische Zertifizierung als STEAME Teacher Facilitator (Mikrozertifikat)

Beschreibung:

Ein Textblock stellt den Zertifizierungsweg vor und erläutert, wie eine Bewerbung möglich ist:

- Entweder über eine lokale (regionale) Akademie
- Oder, wenn keine vorhanden ist, direkt über die Föderation

Darunter befindet sich eine Aktionsschaltfläche mit der Aufschrift „JETZT BEWERBEN“ sowie der Hinweis „Bericht online einreichen (TOOL IN ENTWICKLUNG)“.

Zweck:

Praktizierende oder angehende Lehrkräfte zu einer formalen beruflichen Anerkennung im Rahmen der Föderation zu führen.

8. Bereiche mit nützlichen Links (drei Unterbereiche)

Beschreibung:

Nach Zielgruppen gegliedert, führen die Bereiche zu externen Ressourcen:

- Lehrkräfte im Schuldienst – STEAME in der schulischen Bildung
- **Lehramtsstudierende – Hochschulbildung – hochschulspezifische Links**
- Schülerinnen und Schüler – Kompetenzwerkzeuge, Lernvideos

Zweck:

Zielgruppenspezifische Links und Lernwerkzeuge für die verschiedenen Nutzendengruppen der Plattform bereitzustellen.

9. Überblick über das Mentoring-Programm

Beschreibung:

Zwei Unterbereiche

- „STEAME-Mentor werden“ – erfahrene Lehrkräfte werden eingeladen, Lehramtsstudierende zu begleiten
- „Einen STEAME-Mentor für mich finden“ – Lehramtsstudierende können Mentoring-Unterstützung anfordern

Zweck:

Eine langfristige, unterstützende Mentoring-Struktur aufzubauen, die Erfahrung und Lernen miteinander verbindet.

10. Newsletter-Anmeldung (unterer Bereich)

Beschreibung:

Eine Wiederholung des plattformweiten Newsletter-Formulars: Name, E-Mail, Organisation, Stadt, Land.

Zweck:

Den Verteiler der Föderation auszubauen und Nutzende über Neuigkeiten und Möglichkeiten zu informieren.

Anhang 2 – Startseite des STEAME-Observatoriums



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By 15 July 2025



The Federation Resources

The STEAME Teacher Academy is a continental association committed to providing quality learning resources for STEAME academies across Europe. The Academy is a platform for sharing and developing resources, and a community of practice for STEAME academies. The Academy is a platform for sharing and developing resources, and a community of practice for STEAME academies. The Academy is a platform for sharing and developing resources, and a community of practice for STEAME academies.

[More info](#)



Subscribe to our Newsletter

The newsletter will provide you with updates on the Observatory and project materials, activities and opportunities to get involved. To subscribe, simply fill out this form with your information and you will start receiving our newsletter in your inbox. You can opt out at any time if you no longer wish to receive our updates. We look forward to connecting with you.

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SHORT LINKS

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[News](#)

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5. FUNKTIONEN FÜR NEWS & VERANSTALTUNGEN

1. News-Bereich

Der News-Bereich der Plattform der STEAME-Föderation ist der Veröffentlichung offizieller Aktualisierungen, Ankündigungen und Fortschrittsberichte der Föderation und ihrer Partner gewidmet. Er dient dazu:

- Stakeholder über Projektmeilensteine, abgeschlossene Veranstaltungen, neue Ressourcen und Veröffentlichungen zu informieren
- die Wirkung der Aktivitäten der Föderation in ganz Europa sichtbar zu machen
- Transparenz und einen regelmäßigen Informationsfluss für Lehrkräfte, Partner und die breite Öffentlichkeit sicherzustellen

Die Inhalte dieses Bereichs werden vom Team der Föderation ausgewählt und veröffentlicht. Er dient als zentrales Archiv für alle wichtigen Neuigkeiten im Zusammenhang mit der Initiative der europäischen STEAME-Lehrkräfteakademien.

2. Veranstaltungsbereich

Der Veranstaltungsbereich dient der Bekanntmachung bevorstehender Aktivitäten wie:

- von der Föderation organisierte Workshops, Symposien und Rundenstische zur Zertifizierung
- wichtige europäische oder nationale Veranstaltungen im Zusammenhang mit STEAME-Bildung
- wichtige Termine für Lehrkräftefortbildung, Beteiligung an Akademien oder Projektdissemination

Der Bereich hilft Nutzenden, ihre Teilnahme zu planen, informiert zu bleiben und Angebote zur beruflichen Weiterentwicklung zu finden. Veranstaltungen werden entweder von der Föderation oder künftig durch Beiträge verifizierter Nutzender veröffentlicht.

3. Einreichung von Community-Veranstaltungen*

Die Plattform wird in Kürze eine Funktion zur Einreichung von Community-Veranstaltungen enthalten, über die Lehrkräfte, Vertretungen von STEAME-Akademien und weitere Beitragende Veranstaltungen direkt über die Plattform vorschlagen können. Obwohl diese Funktion derzeit noch entwickelt wird, soll sie die Beteiligung aus der Community heraus fördern und die Sichtbarkeit lokaler STEAME-Initiativen erhöhen.

Von der Funktion wird erwartet, dass sie:

- die Weitergabe von STEAME-bezogenen Veranstaltungen von unten nach oben ermöglicht, etwa Schulworkshops, von Akademien organisierte Fortbildungen, interdisziplinäre Wettbewerbe und Bildungskonferenzen
- **ein standardisiertes Einreichungsformular mit folgenden Pflichtfeldern bereitstellt:**
 - Titel der Veranstaltung
 - Beschreibung
 - Datum und Uhrzeit
 - Ort (vor Ort oder online)
 - Zielgruppe
 - Kontaktdaten des Veranstalters

- **einen Moderations- und Freigabeprozess umfasst:**
 - Eingereichte Veranstaltungen werden vom Verwaltungsteam der Föderation geprüft, um ihre Übereinstimmung mit den Bildungszielen von STEAME sicherzustellen
 - Nur genehmigte Veranstaltungen werden veröffentlicht und im öffentlichen Veranstaltungskalender der Plattform angezeigt
 - Beitragende können vor der Freigabe um Erläuterungen oder zusätzliche Informationen gebeten werden

Diese künftige Funktion wird die Möglichkeiten der Plattform zum Aufbau einer Community deutlich erweitern und Lehrkräften in ganz Europa einen Kanal bieten, über den sie eigene Aktivitäten bekannt machen können. Sie unterstützt das Ziel der STEAME-Föderation, kooperative Sichtbarkeit, lokales Engagement und von Lehrkräften getragene Innovation im breiteren Rahmen der STEAME-Bildung zu fördern.

4. Newsletter-Bereich

Der Newsletter-Bereich stellt herunterladbare Ausgaben der regelmäßig veröffentlichten Newsletter der Föderation bereit. Er dient dazu:

- Neuigkeiten, Erfolge und bevorstehende Möglichkeiten zusammenzufassen
- ein praktisches Format zur Weitergabe von Informationen in größeren Netzwerken bereitzustellen
- Stakeholder auch dann auf dem Laufenden zu halten, wenn sie die Website nicht regelmäßig besuchen

Frühere Newsletter werden nach Jahren archiviert und können im PDF-Format heruntergeladen werden. So können Lehrkräfte und institutionelle Partner die Entwicklung des Projekts im Zeitverlauf nachvollziehen.

6. WERKZEUGE DES STEAME-OBSERVATORIUMS

6.1 Zertifizierungsweg zum STEAME Teacher Facilitator (in Entwicklung)*

Die Plattform der STEAME-Föderation entwickelt derzeit einen strukturierten Zertifizierungsweg für Lehrkräfte. Damit soll ihre Fähigkeit anerkannt werden, interdisziplinäre, projektbasierte STEAME-Lernaktivitäten zu konzipieren und umzusetzen. Die Zertifizierung wird in Form eines Mikrozertifikats vergeben und ist an einen auf europäischer Ebene entwickelten kompetenzbasierten Rahmen angepasst.

Zweck der Zertifizierung

Der Zertifizierungsprozess soll:

- Lehrkräften praktische Erfahrungen mit STEAME-Bildung vermitteln
- ihre Fähigkeit bestätigen, interdisziplinäre Lern- und Kreativitätspläne (L&C-Pläne) zu erstellen und anzuwenden
- reflektierte Unterrichtspraxis und strukturierte Evaluation fördern
- die berufliche Entwicklung und Anerkennung von Lehrkräften in ganz Europa unterstützen

Der Prozess richtet sich insbesondere an praktizierende Lehrkräfte und Lehramtsstudierende und fördert Zusammenarbeit sowie Peer-Learning.

Struktur des Zertifizierungsprozesses

Lehrkräfte durchlaufen einen schrittweisen Berichts- und Bewertungsprozess mit folgenden zentralen Bestandteilen:

1. Teamgestützte gemeinsame Entwicklung

- Bewerbende müssen ein Team aus mindestens zwei Lehrkräften bilden, um gemeinsam einen STEAME-Lern- und Kreativitätsplan zu entwickeln.
- Im Rahmen der ersten Bewerbung macht jede Person Angaben zu ihrem beruflichen Hintergrund im Unterricht (Fach, Stufe, Institution usw.).

2. Entwicklung und Einreichung des Plans

- Das Team reicht einen ausgearbeiteten Lern- und Kreativitätsplan im PDF-Format ein.
- Für jedes der 14 auf der Plattform verfügbaren STEAME-Module müssen die Bewerbenden reflektieren, wie entsprechende Elemente in ihren L&C-Plan aufgenommen wurden (bis zu 50 Wörter pro Modul).

3. Umsetzung im Unterricht

- Der L&C-Plan muss mit Schülerinnen und Schülern über eine Reihe von Unterrichtsstunden hinweg umgesetzt werden.
- Die Bewerbenden geben die Anzahl der beteiligten Schülerinnen und Schüler sowie die genauen Umsetzungsdaten an.
- Als Nachweis der Umsetzung werden Fotos oder Videos eingereicht.

4. Einwilligung der Eltern

- Lehrkräfte müssen bestätigen, ob sie für eingereichte Medien die Einwilligung der Eltern eingeholt haben.
- Falls nicht, müssen sie eine unterzeichnete Datenschutzerklärung vorlegen.

5. Feedback und Reflexion

- Das Feedback der Schülerinnen und Schüler wird anhand eines standardisierten Fragenkatalogs zu vier zentralen Bereichen erhoben:
 - Praxisbezug des Projekts
 - Klarheit der Methoden und Erfahrungen mit Teamarbeit
 - Eigenverantwortung der Lernenden und Verantwortung für den eigenen Lernprozess
 - Interesse und langfristige Motivation, das STEAME-Lernen fortzusetzen
- Die Rohdaten müssen anonymisiert im Excel-Format eingereicht werden.
- Jede Lehrkraft muss dieses Feedback schriftlich reflektieren.

6. Selbstevaluation

- Die Bewerbenden müssen ihre eigene Leistung anhand eines umfassenden Kompetenzrahmens beurteilen, der folgende Bereiche abdeckt:
 - Kontextualisierung von STEAME-Projekten
 - Methodische Qualität und Lernunterstützung
 - Eigenverantwortung der Lernenden und Coaching
 - Innovation und Nachhaltigkeit im STEAME-Unterricht

Jeder Kompetenzbereich enthält Leistungsbeschreibungen auf drei Niveaustufen. Die Bewerbenden müssen:

- die Beschreibung auswählen, die ihrem Niveau entspricht
- ihre Selbsteinschätzung schriftlich begründen (bis zu 50 Wörter je Kriterium)

Bewertung & Validierung

Nach der Einreichung wird der vollständige Bericht von Evaluierenden innerhalb der Föderation beziehungsweise, falls zutreffend, einer regionalen STEAME-Akademie geprüft. Bei der Bewertung werden berücksichtigt:

- die Qualität des L&C-Plans
- Nachweise zur Umsetzung im Unterricht
- Feedback und Beteiligung der Schülerinnen und Schüler
- Vollständigkeit und Genauigkeit der Selbstevaluation

Bewerbende, die die im Kompetenzrahmen festgelegten Standards erfüllen, erhalten die Zertifizierung als STEAME Teacher Facilitator. Diese kann auch die berufliche Entwicklung oder weitere Akkreditierungen unterstützen.

Hinweis: Bis das vollständige Online-Einreichungssystem fertiggestellt ist, erfolgt die Berichterstattung manuell mithilfe herunterladbarer Vorlagen. Nach Fertigstellung wird der Prozess vollständig in die STEAME-Plattform integriert.

6.2 Mentoring-Programm – Funktionen für Mentorinnen/Mentoren und Mentees

Das STEAME-Mentoring-Programm ist ein strukturiertes System innerhalb der Plattform, das die berufliche Entwicklung fördert, indem erfahrene STEAME-Lehrkräfte (Mentorinnen und Mentoren) mit Berufseinsteigenden oder Lehramtsstudierenden (Mentees) zusammengebracht werden. Das System ist vollständig integriert und bietet einen klaren Ablauf für Registrierung, Verifizierung, Freigabe und öffentliche Listung.

Zweck des Mentoring-Systems

Das Programm soll:

- Lehramtsstudierenden praktische Unterstützung bei der Umsetzung von STEAME-Methoden bieten
- den generationenübergreifenden Wissenstransfer zwischen erfahrenen Lehrkräften und Neueinsteigenden fördern
- die STEAME-Community durch Zusammenarbeit und gegenseitige Unterstützung stärken

Das Programm basiert auf zwei zentralen Rollen:

- Mentorinnen/Mentoren – erfahrene praktizierende Lehrkräfte oder Lehrkräftebildende in STEAME-Fächern
- Mentees – Lehramtsstudierende, neue oder bereits tätige Lehrkräfte, die Unterstützung bei der Integration von STEAME suchen

Kernfunktionen

Das System besteht aus drei zentralen Komponenten:

1. Anzeigeseite für Mentorinnen und Mentoren

Freigegebene Mentorinnen und Mentoren werden in einem öffentlichen Verzeichnis aufgeführt, in dem Mentees verfügbare Profile durchsuchen können. Jeder Eintrag enthält:

- Name, Zugehörigkeit, Land
- Fachgebiete oder Schwerpunkte (z. B. STEAME-Disziplinen, Mentoring-Themen)
- Möglichkeit für Lehramtsstudierende, Interesse an einer Kontaktaufnahme zu bekunden

Dies erhöht die Sichtbarkeit und Erreichbarkeit von Mentorinnen und Mentoren über Regionen hinweg.

2. Einreichungsformular für Mentorinnen und Mentoren und Freigabe

Lehrkräfte, die als Mentorin oder Mentor tätig werden möchten, füllen ein eigenes Registrierungsformular aus und geben dabei an:

- vollständige Kontaktdaten und institutionelle Zugehörigkeit
- Ausbildungshintergrund und Unterrichtserfahrung
- Bereiche, in denen sie Mentoring anbieten können
- Einwilligung zur Aufnahme in die öffentliche Liste der Mentorinnen und Mentoren

Das System umfasst im Hintergrund folgende Funktionen:

- Nach dem Absenden wird automatisch eine E-Mail-Benachrichtigung an die Administration gesendet
- Eine Verifizierungscode-Logik sorgt für Sicherheit bei der Einreichung
- Nach Eingabe des Codes erscheint eine dynamische Meldung: „Code wird überprüft, bitte warten ...“

- Metadaten der Einreichung werden sicher in Post-Metefeldern gespeichert
- Mentorinnen und Mentoren können über eine Moderationsoberfläche von der Administration freigegeben oder abgelehnt werden (ähnlich der Freigabe von Kommentaren)

3. Einreichungsformular für Mentees

Mentees registrieren sich über ein einfaches, strukturiertes Formular, das folgende Angaben abfragt:

- Name, E-Mail, Institution (falls vorhanden) und Interessengebiet(e)
- Optionale Präferenz für eine bestimmte Mentorin oder einen bestimmten Mentor

Wichtiges Verfahrensdetail:

- **Nach dem Absenden des Formulars und der erfolgreichen Bestätigung der E-Mail-Adresse mittels Verifizierungscode wird der Mentee automatisch freigegeben**
- In dieser Phase ist kein manuelles Eingreifen der Plattformadministration erforderlich
- Bestätigungs-E-Mails werden an den Mentee gesendet und die Anfrage wird im System aktiviert
- Der Mentee erhält ein Passwort, das zusammen mit der E-Mail-Adresse verwendet werden kann, um die Seite später erneut aufzurufen, falls bei der ersten Registrierung keine passende Mentorin oder kein passender Mentor gefunden wird.

Dieser unkomplizierte Einstieg fördert eine breitere Beteiligung und gewährleistet zugleich Verbindlichkeit durch die E-Mail-Verifizierung.

Sowohl Einreichungen von Mentorinnen und Mentoren als auch von Mentees führen zu E-Mail-Benachrichtigungen an die Plattformadministration, sodass der Prozess effizient verwaltet werden kann.

Zuordnungsprozess (aktuelle Logik)

Sobald Mentorinnen/Mentoren und Mentees im System erfasst sind:

- **Mentees können die Liste der freigegebenen Mentorinnen und Mentoren frei durchsuchen und eine Person auswählen, an der sie interessiert sind**
- **Mentees erhalten die Kontaktdaten der Mentorin oder des Mentors jedoch nicht direkt**
- Stattdessen senden Mentees über ein integriertes Kontaktformular auf der Plattform eine Anfrage. Diese Nachricht wird zugestellt an:
 - die ausgewählte Mentorin bzw. den ausgewählten Mentor
 - das Verwaltungsteam der Föderation

Damit wird sichergestellt, dass der Erstkontakt sicher und unter angemessener Aufsicht erfolgt.

Anschließend können Mentorinnen und Mentoren entscheiden, ob sie den Kontakt fortsetzen möchten.

- **Wenn eine Mentorin oder ein Mentor zur Zusammenarbeit bereit ist, kann direkt per E-Mail auf die Anfrage des Mentees geantwortet werden**
- Die Föderation muss nicht in CC gesetzt werden – die Antwort bleibt privat und wahrt nach dem Erstkontakt die Autonomie und Privatsphäre der Beteiligten

Dieser Ansatz gewährleistet:

- kontrollierte und einwilligungsbasierte Kontaktaufnahme

- Datenschutz und DSGVO-Konformität
- die Freiheit der Mentorinnen und Mentoren, selbst über eine Zusammenarbeit zu entscheiden, bei zugleich professionell gestaltetem Erstkontakt

Das System unterstützt sowohl von Mentees selbst initiierte Kontakte als auch, wo sinnvoll, eine durch die Administration unterstützte Vermittlung und bietet damit Flexibilität und Skalierbarkeit.

Anhang 3 – Mentoring-Programm – Funktionen für Mentorinnen/Mentoren und Mentees

Anhang 3.1 – Registrierungsformular für Mentorinnen und Mentoren



HomeAbout the FederationObservatoryNewsEventsContact Us

Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of School, HLL website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please Type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

☐ Science

☐ Technology

☐ Engineering

☐ Arts

☐ Mathematics

☐ Entrepreneurship

Select All

Upload Photo (required)

Choose file

No file chosen

Accepted file types: jpg, jpeg, png. Max. file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

☐ Online Mentorship

☐ Internship Collaboration

☐ Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

☐ Member of the European Federation of STEAM Teacher Facilitators Academies?

☐ Associate partner of the project STEAM-Academy

☐ Private

☐ Public

☐ School (Any grades within 1-12)

☐ Higher Education

☐ Training Centre

☐ Other

Select All

Consent (required)

☐ I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Anhang 3.2 – Mentoring-Programm – Funktionen für Mentees



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Mentees Form

Mentee Form

Full Name (Required)	Affiliation (name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

Click the "Send Code" button to receive a verification code via email.
If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)

Professional field of expertise/studies (Required)

- Teaching subjects, if any
- ☐ Science
 - ☐ Technology
 - ☐ Engineering
 - ☐ Arts
 - ☐ Mathematics
 - ☐ Entrepreneurship

- Is your institution/organization/school (Choose more than one if applies) (Required)
- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
 - ☐ Associate partner of the project STEAME-Academy
 - ☐ Private
 - ☐ Public
 - ☐ School (Any grades within 1-12?)
 - ☐ Higher Education
 - ☐ Training Centre
 - ☐ Other

- Mentorship Type (Required)
- ☐ Online Mentorship
 - ☐ Internship Collaboration
 - ☐ Co-creation towards STEAME Certification



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Anhang 3.3 – Mentoring-Programm – Anzeige der Mentorinnen und Mentoren

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Display Mentors

Display Mentors

Email (required) Please Type Verification Code (required)

youremail@youremail.com 980063

Enter your email to receive a verification code and view the mentor list

Search mentors... Mathematics ▾ All Types ▾ All Languages ▾

Gregoris Makrides
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

[View Profile](#)

Anhang 3.4 – Mentoring-Programm – Anzeige der Mentorinnen-/Mentorenprofile

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Email (required)

youremail@youremail.com

Enter your email to receive a verification code

Search mentors... Mathematics ▾ All Types ▾ All Languages ▾

Gregoris Makrides

First Name: Gregoris
Last Name: Makrides
Affiliation: University of the National Education Commission
City of Work: Krakow
Country of Work: Poland
Language: English
Professional Field: Mathematics and STEAME Education

Bio
Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

6.3 Lern- und Kreativitätspläne

Der Bereich „Lern- und Kreativitätspläne“ (L&C-Pläne) der STEAME-Plattform dient als digitales Archiv interdisziplinärer, projektbasierter Unterrichtspläne, die dem STEAME-Bildungsrahmen entsprechen (Naturwissenschaften, Technologie, Ingenieurwesen, Kunst, Mathematik und Unternehmertum).

Diese Ressourcen werden von Lehrkräften entwickelt, in Pilotphasen erprobt und zur Unterstützung der Umsetzung im Unterricht für verschiedene Altersgruppen und Bildungsstufen bereitgestellt.

Zweck des Bereichs

Dieser Bereich soll:

- einsatzbereite Unterrichtspläne für Lehrkräfte in STEAME-Fächern bereitstellen
- interdisziplinäres Denken fördern, indem Beispiele gezeigt werden, die mehrere Fächer zu zusammenhängenden Lernaktivitäten verbinden
- Lehrkräfte unterstützen, die am STEAME-Zertifizierungsweg teilnehmen, bei dem die Erstellung und Anwendung eines L&C-Plans eine zentrale Anforderung ist
- Zusammenarbeit, Kreativität und Innovation in europäischen Klassenzimmern fördern

Jeder Plan legt Wert auf Praxisbezug, Teamarbeit, aktives Lernen und die Anwendung der STEAME-Methodik durch strukturiertes Projektdesign.

Wesentliche Funktionen und Struktur

Lehrkräfte, die auf den Bereich „Lern- und Kreativitätspläne“ zugreifen, können:

- **die vollständige Bibliothek veröffentlichter Pläne durchsuchen**
- **Pläne filtern nach:**
 - Fachkategorien (z. B. Naturwissenschaften, Mathematik, Ingenieurwesen, Kunst usw.)
 - Altersgruppe (z. B. 10–14, 14–18 oder besondere Stufen)
 - **Sprache**
 - **Autorin/Autor**
- **Details zu jedem Plan anzeigen, darunter:**
 - Titel und Plancode (z. B. „ST53 – Die Zukunft der Energie“)
 - Zielaltersgruppe und Unterrichtsfächer
 - Name der Autorin bzw. des Autors und Institution
 - Kurzbeschreibung und Lernziele
 - Zugang zum vollständig herunterladbaren Plan oder zu einer Vorschau
- erweiterte Filteroptionen verwenden, um Pläne zu bestimmten Themen, Ländern oder Bildungskontexten zu finden

Jeder Plan wird im Entwicklungsprozess durch Peer-Review geprüft oder erprobt und erfüllt damit ein bestimmtes Qualitätsniveau sowie die Grundsätze des STEAME-Unterrichts.

Einsatz bei Zertifizierung und im Unterrichtsalltag

Für Lehrkräfte, die dem STEAME-Zertifizierungsweg folgen, ist die Auswahl oder Erstellung eines Lern- und Kreativitätsplans ein verpflichtender Schritt. Diese Pläne dienen zugleich als:

- Vorlage zur Entwicklung interdisziplinärer Aktivitäten
- Einreichungsanforderung in Verbindung mit der Umsetzung im Unterricht und dem Feedback der Schülerinnen und Schüler

Für alle Lehrkräfte dient das Archiv der L&C-Pläne als kreative Inspirationsquelle, um die STEAME-Methodik mithilfe praktischer, altersgerechter Beispiele in reale Unterrichtssituationen zu integrieren.

Anhang 4 – Lern- und Kreativitätspläne



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THE FEDERATION RESOURCES

CategorySearch the Federation Resources...

All videos available in the Resources below are available in 9+ languages subtitles.
Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

Find a Resource

PE: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a school

Click HERE to view a full list of Learning & Creativity Plans

Regional Academies

SHOW RESULTS

Reset All

Category

European Level

Learning & Creativity Plans

Modules

Subcategory

Age Levels

Language

SHOW RESULTS

Reset All

10-16

PS1-Finding science and mathematics in arts of Solvatore Dali-EN

10-14

PS2-Discovering Antoni Gaudi-EN

10-14

PS3-Eco multi-use cube from reused water plastic bottles-EN

10-14

PS4-Sound proof panels from reused polyester fabric waste-EN

10-14

PS5-Water filter ecological straw-EN

14-16

PS6-Research AI tools in education-EN

14-16

PS7-Exploring and presenting AI tools within school assignments-EN

14-16

PS8-Escape Room in the classroom-EN

10-14

PS9-Four triangle centres and the Euler line-EN

14-16

PS10-Programming through gamification-EN

10-14

PS11-Weather in my city-EN

10-14

PS12-Eco-Innovation Designing a sustainable Product using Chat GPT-EN

10-16

PS13-Ancient Greek Innovators Exploring and Rebuilding Technology-EN

10-14

PS14-Sustainable Tourism in Rhodes-EN

14-16

PS15-Applications of AI in the real world for improving the quality of life-EN

14-16

PS16-The Spread of Infectious Diseases-EN

14-16

PS17-Handling Data in the context of Climate Change-EN

14-16

PS18-Using Simple Linear programming -EN

14-16

PS19-Sweet Hive Venture-EN

14-16

PS20-Art Studio-EN

12

9

1

Next



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6.4 Regionale und nationale Akademien

Der Bereich „Regionale und nationale STEAME-Akademien“ der Plattform stellt das wachsende Netzwerk lokaler STEAME-Akademien in Europa und darüber hinaus vor. Diese Akademien arbeiten unter der Koordination und nach den Qualitätsstandards der STEAME-Föderation und dienen als nationale oder regionale Zentren für Lehrkräftefortbildung, Mentoring, Zertifizierung und Verbreitung von STEAME-Lernpraktiken.

Zweck des Bereichs

Dieser Bereich dient dazu:

- die geografische Verteilung aktiver STEAME-Akademien in verschiedenen Ländern sichtbar zu machen
- regionalen Akteuren Sichtbarkeit zu geben, die die lokale Umsetzung des STEAME-Rahmens unterstützen
- Lehrkräfte und Institutionen dabei zu unterstützen, ihre nächstgelegene Akademie zu finden und Zugang zu Zertifizierung, Fortbildung und Community-Unterstützung zu erhalten
- die Gründung neuer regionaler Akademien unter dem Dach der Föderation zu fördern

Dies entspricht der übergeordneten Vision des STEAME-Projekts: Bildungswandel zu skalieren, indem lokale Verantwortung und Anpassung innerhalb eines strukturierten europäischen Rahmens ermöglicht werden.

Wesentliche Funktionen und Struktur

Der Bereich umfasst:

6.4.1 Länderverzeichnis

Eine Liste der teilnehmenden Länder mit bestehenden oder im Aufbau befindlichen regionalen STEAME-Akademien. Jeder Ländereintrag kann zu weiteren Informationen über die Akademie führen, etwa:

- Trägerinstitution
- Kontaktstelle
- Arbeitssprache
- Aktive Programme und lokale STEAME-Aktivitäten

Zu den derzeit beteiligten Ländern gehören beispielsweise Belgien, Bulgarien, Zypern, Griechenland, Polen, Portugal, Rumänien und Spanien. Die Liste soll mit der Genehmigung weiterer Akademien wachsen.

6.4.2 Antrag auf Gründung einer neuen Akademie

Organisationen, z. B. Schulen, Einrichtungen der Lehrkräftebildung, NGOs oder Hochschulen, die in ihrer Region eine neue STEAME-Akademie gründen möchten, können dies über die Plattform beantragen. Der Bereich enthält:

- **eine klare Handlungsaufforderung „Regionale STEAME-Akademie gründen“**
- eine Schaltfläche „Jetzt bewerben“, die zum Antragsformular bzw. Einreichungsprozess führt

Diese Anträge werden von der Föderation anhand der Leitlinien und der Übereinstimmung mit den Projektzielen geprüft.

6.4.3 Einladung zur Mitgliedschaft in der Föderation

Neben der Gründung einer Akademie können Institutionen auch eine Mitgliedschaft in der Föderation beantragen. Dafür steht eine separate Option „Mitglied werden“ mit eigener Schaltfläche „Jetzt bewerben“ zur Verfügung.

Zusammenfassung des Verfahrens

1. Lehrkräfte können auf der Plattform ihre nationale oder regionale Akademie identifizieren und Unterstützung anfragen.
2. Institutionen können die Gründung neuer Akademien dort beantragen, wo noch keine bestehen, und so zur Erweiterung des STEAME-Ökosystems beitragen.
3. Mentoring und Zertifizierung laufen häufig über diese Akademien, die lokale Anlaufstellen für die Durchführung der Programme bieten.

Anhang 5 – Regionale und nationale Akademien

Anhang 5.1 – Regionale und nationale Akademien



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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

[APPLY NOW](#)

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

[APPLY NOW](#)



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Offices: 36 Stasinou street, Office 102
2003, Strovolos
Nicosia, Cyprus

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Anhang 5.2 – Formular zur Gründung einer regionalen Akademie



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization
☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *
Select an option

Website of the organization *
Please enter a valid URL

Main sector of activities *

City/Region of interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *
Choose file No file chosen

NEXT

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Hinweise

* Mit * gekennzeichnete Funktionen werden innerhalb der Projektlaufzeit verfügbar sein.

Nützliche Links

- Alle Mentorinnen und Mentoren für Mentees anzeigen (einschließlich Suchfunktion): <https://federation-steame-academies.eu/display-mentors/>
- Formular für Mentee-Einreichungen: <https://federation-steame-academies.eu/mentees-form/>
- Formular für Mentorinnen/Mentoren: <https://federation-steame-academies.eu/mentors-form/>

DUTCH



STEAME TEACILITATORS ACADEMY

Referentienummer: 101102619

Uitvoeringsperiode: 1 juni 2023 t/m 31 mei 2026

WP4

D4.2 Web-based Observatory van de Europese STEAME Teacher Academies: De tool

Projectresultaat, leidende partner: Cyprus Mathematical Society

www.steame-academy.eu



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Gepubliceerd op: 27 mei 2025

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1. INLEIDING

De Web-based Observatory van de European STEAME Teacher Facilitators Academies vormt de centrale digitale infrastructuur voor de gecoördineerde werking van regionale en nationale STEAME Academies in heel Europa. Het is een projectresultaat van het door de EU gefinancierde European STEAME Teacher Facilitators Academy-project en is ontwikkeld om interdisciplinair onderwijs te bevorderen door leerkrachten en docenten te ondersteunen met opleiding, materialen, certificering en samenwerkingsstructuren die zijn gebaseerd op de STEAME-methodologie.

Deze handleiding biedt een volledig overzicht van het platform: <https://federation-steame-academies.eu> <https://federation-steame-academies.eu/>

De handleiding helpt leerkrachten en docenten, beheerders van STEAME Academies, institutionele STEAME-coördinatoren en projectpartners om alle functies van het platform te gebruiken. Ze legt uit hoe u:

- door de openbare delen en de ledenomgeving van de website navigeert;
- nieuwe STEAME Academies registreert;
- STEAME-leer- en creativiteitsplannen raadpleegt en indient;
- certificeringstrajecten voor leerkrachten en docenten aanvraagt en beheert;
- deelneemt aan mentorprogramma's;
- evenementen indient en updates deelt met de bredere STEAME-gemeenschap;
- bij alle inzendingen de AVG-regels naleeft

Het observatorium fungeert zowel als digitale bronnenbank als samenwerkingsomgeving. De tools vergroten de zichtbaarheid van instellingen en brengen hen met elkaar in contact. Daarnaast bieden ze leerkrachten en docenten gestructureerde mogelijkheden om actief deel te nemen via gestandaardiseerde formulieren, interactieve overzichten en trajecten voor professionele ontwikkeling.

Deze handleiding is opgebouwd per onderdeel van het platform en bevat:

- Navigatiestructuur
- doel en functionaliteit van elk onderdeel;
- screenshots ter illustratie;
- stapsgewijze instructies voor alle interactieve formulieren;
- gegevens van partners en contactpersonen.

2. TOEGANG TOT HET PLATFORM EN NAVIGATIE

Het STEAME-observatorium is bereikbaar via: <https://federation-steame-academies.eu/https://federation-steame-academies.eu/>

Het platform is vrij toegankelijk en geoptimaliseerd voor moderne webbrowsers, waaronder Google Chrome, Mozilla Firefox, Microsoft Edge en Safari.

Navigatie via het hoofdmenu

Het hoofdmenu staat bovenaan elke pagina en geeft gebruikers snel toegang tot alle openbare en interactieve onderdelen. De volgende menu-items zijn beschikbaar:

1. Startpagina – de landingspagina van het platform, met de missie, het nieuws en de belangrijkste activiteiten van de STEAME-federatie.
2. Over de Federatie – een uitgebreid onderdeel over de structuur, visie en belangrijkste bouwstenen van de Federation of STEAME Academies.
3. STEAME Observatory – de centrale toegangspoort tot alle belangrijke platformfuncties, waaronder:
 - Regionale/nationale academies
 - Leer- en creativiteitsplannen
 - certificeringstrajecten voor leerkrachten en docenten
 - Mentorprogramma
 - Uw academie aanmelden
 - Uw evenement aanmelden
4. Nieuws & evenementen – een overzicht van actuele aankondigingen, publicaties en geplande activiteiten.
5. Contact – rechtstreekse toegang tot het contact- en AVG-toestemmingsformulier.

Waar beschikbaar kunnen gebruikers via uitklapmenu's ook rechtstreeks naar subonderdelen navigeren.

Toegang tot indieningsformulieren

Hoewel het grootste deel van het platform openbaar toegankelijk is, vereisen sommige functies een online formulier, bijvoorbeeld voor het registreren van een academie, het indienen van een evenement of het uploaden van een certificeringstraject. Deze formulieren zijn bereikbaar via de betreffende pagina's in het STEAME Observatory.

Toegankelijkheid

De website is responsief en geschikt voor desktopcomputers, tablets en smartphones. Bij de toegankelijkheid is onder meer rekening gehouden met:

- een eenvoudige interface met duidelijke rubrieken;
- gestandaardiseerde formulierlay-outs;
- geoptimaliseerde laadtijden voor verschillende typen internetverbindingen.

3. OVERZICHT VAN DE STARTPAGINA VAN DE FEDERATIE

<https://federation-steame-academies.eu>

1. Hoofding en navigatiemenu

Beschrijving: bovenaan de pagina staat het hoofdmenu van het platform, met links naar alle belangrijke onderdelen, waaronder:

- *Home*
- Over de Federatie (met subpagina's: Profiel, Statuut, Raad van Bestuur, Leden)
- *Observatorium*
- *Nieuws & nieuwsbrieven*
- *Evenementen & inzendingen*
- *Contact*

Doel: gebruikers vanuit elke pagina een consistente en directe toegang bieden tot de volledige structuur van het platform.

2. Blok met platformtitel

Beschrijving: de naam van de European Federation of STEAME Teacher Facilitators Academies wordt prominent weergegeven, met een ondertitel die de Europese reikwijdte van het initiatief benadrukt.

Doel: meteen duidelijk maken dat dit een formeel, door de EU ondersteund initiatief is dat gericht is op STEAME-onderwijs.

3. Videopitch

Beschrijving: een opvallend kader nodigt gebruikers uit om een korte promotievideo van minder dan 150 seconden te bekijken waarin het doel en de visie van de Federatie worden voorgesteld.

Doel: nieuwe bezoekers snel en aantrekkelijk kennis laten maken met het project. De video is ook geschikt voor presentaties, communicatieactiviteiten en introductie van leerkrachten en docenten.

4. Sneltoetsen / belangrijkste actiegebieden

Beschrijving: een reeks grote, aanklikbare tegels biedt rechtstreeks toegang tot de belangrijkste tools van het platform:

- STEAME-onderwijscommunicatie & webinars
- Aanvraag om een regionale STEAME Academy op te richten
- Link naar de officiële website van het STEAME-ACADEMY-project

Doel: gebruikers meteen naar prioritaire acties en externe bronnen leiden die regionale academies ondersteunen bij oprichting, opleiding en communicatie.

5. Voorbeeldblok van het STEAME-observatorium

Beschrijving: een korte informatieve tekst met de titel "The STEAME Platform Observatory" licht de belangrijkste kenmerken van het observatorium toe, waaronder:

- vrij toegankelijke bronnen
- ondersteuning bij certificering van leerkrachten en docenten
- Toegang tot regionale academies

- mentoring in de eigen taal

Doel: een eerste beeld geven van de functies van het observatorium en leerkrachten en docenten aanmoedigen om tools te verkennen die hun professionele groei en samenwerking ondersteunen.

6. Hoogtepunten van de Federatie: links naar academies

Beschrijving: twee tekstlinks bieden toegang tot:

- de European Federation of STEAME Academies
- Het netwerk van regionale/nationale STEAME-academies

Doel: onderwijsprofessionals en vertegenwoordigers van instellingen helpen om regionale academies te vinden en contact te leggen met lokale ondersteuning.

7. Voorbeeld van het nieuws

Beschrijving: toont de drie meest recente nieuwsberichten met titel en link.

Doel: updates delen en transparantie bieden over activiteiten, mijlpalen en betrokkenheid van de gemeenschap in heel Europa.

8. Voorbeeld van evenementen

Beschrijving: toont de meest recente geplande of voorbijgevoerde evenementen die verband houden met de Federatie en het netwerk van STEAME Academies.

Doel: belanghebbenden op de hoogte houden van en betrekken bij projectgerelateerde evenementen, workshops en conferenties.

9. Inschrijfformulier voor de nieuwsbrief

Beschrijving: een formulier waarmee bezoekers zich via e-mail kunnen inschrijven voor regelmatige projectupdates.

Doel: een contactbestand en communicatiekanaal opbouwen om bronnen, kansen en aankondigingen te delen.

10. Disclaimer over EU-financiering

Beschrijving: Standaardtekst met uitleg over de EU-financieringsstatus en juridische disclaimer.

Doel: De steun van de EU erkennen en verduidelijken dat de inhoud alleen de standpunten van de auteurs weergeeft.

11. Voettekst

Beschrijving: biedt snelle navigatielinks, contactgegevens en een laatste uitnodiging om zich op de nieuwsbrief te abonneren.

Doel: ervoor zorgen dat gebruikers vanaf elke pagina snel belangrijke onderdelen terugvinden en contact kunnen opnemen met de Federatie.

Bijlage 1 – Toegang tot het platform en navigatie

The screenshot displays the homepage of the European Federation of STEAME Teacher Facilitators Academies. The top navigation bar includes links for Home, About the Federation, Observatory, Press, Events, and Contact Us. The main header features the organization's name and a search bar. Below this, a large banner image shows a group of people in a meeting.

Events Section: This section highlights upcoming events, including the STEAME Academy Annual Conference, STEAME Teacher Academy Third European Workshop and Round Table Event, and the STEAME Teacher Academy Second European Workshop and Round Table Event. Each event listing includes a brief description and a 'Read More' link.

STEAME Platform Observatory: This section provides information about the observatory, which is a platform for sharing and accessing resources. It mentions that resources are available for service teachers and student teachers, and that the observatory is accessible to regional STEAME Academies. A 'Read More' link is provided.

News Section: This section features three news items, each with a thumbnail image and a brief description. The items are: STEAME Teacher Facilitators Academy Open Invitation to a Two-Day European Workshop, European STEAME Academy Symposium 2023 - Diverse Programme, and Successful Completion of the first STEAME Teacher Facilitators Academy - Credential Certificate Programme in Cyprus.

Subscribe to our Newsletter: This section includes a form for users to subscribe to the newsletter. The form asks for the user's Name, Last Name, Organization, City, Country, and Email address. A 'SUBSCRIBE' button is located at the bottom of the form.

Footer: The footer contains the European Federation of STEAME Teacher Facilitators Academies logo, contact information, quick links, and a newsletter sign-up form. It also includes a copyright notice for 2024 and a link to the Privacy Policy.

4. STARTPAGINA VAN HET STEAME-OBSERVATORIUM

Deze pagina vormt de toegangspoort tot het STEAME Observatory, de functionele kern van het platform. Ze biedt toegang tot tools en formulieren om inhoud in te dienen, certificering aan te vragen, deel te nemen aan mentoring en beschikbare academies, plannen en evenementen te bekijken. Dit dynamische onderdeel is ontworpen voor zowel leerkrachten en docenten in de praktijk als leraren-in-opleiding. <https://federation-steame-academies.eu/the-platform-observatory/><https://federation-steame-academies.eu/the-platform-observatory/>

1. Bovenste navigatiebalk en contextmenu

Beschrijving: de pagina bevat een contextueel submenu waarmee gebruikers snel naar gerelateerde tools en functies kunnen gaan, zoals:

- Over het project
- STEAME-certificering voor leerkrachten en docenten
- Mentorprogramma
- STEAME-onderwijscommunicatie
- STEAME-tijdschrift
- Academies
- Gebeurtenissen
- Nieuws
- Bronnen van de Federatie
- Nuttige links en materialen

Doel: gebruikers vanaf één plaats snelle en overzichtelijke toegang geven tot alle functionele onderdelen van het platform. Elke link leidt naar een andere bron of een ander indieningsformulier.

2. Hoofdtitel: het platformobservatorium

Beschrijving: deze opvallende titel introduceert het observatorium als de functionele kern van de website, waar concrete onderwijssamenwerking plaatsvindt.

Doel: duidelijk maken dat dit het vertrekpunt is voor het verkennen van certificering, plannen, evenementen, mentoring en andere tools.

3. Rechtstreekse link naar regionale/nationale STEAME Academies

Beschrijving: Een grote naar rechts gerichte pijl (

Doel: gebruikers naar de interactieve kaart of het overzicht van regionale en nationale academies leiden, zodat zij op basis van hun regio contact kunnen opnemen of aansluiting kunnen zoeken.

4. Contact- en toegangsformulier (verplichte velden)

Beschrijving: het AVG-conforme formulier voor persoonsgegevens vraagt de volgende verplichte gegevens:

- Volledige naam
- E-mail
- Land (keuzelijst met alle landen)
- Stad
- AVG-toestemmingsvakje

Doel: leerkrachten, leraren-in-opleiding en aanvragers van een academie in staat stellen zich te identificeren en contact op te nemen met het platform, onder meer voor regionale ondersteuning of certificering.

Dit onderdeel fungeert als toegangspoort tot persoonlijke begeleiding en kan e-mailopvolging activeren op basis van land en regio.

5. Live tellers: projectstatistieken

Beschrijving: een rij tellers toont vier projectindicatoren:

- Aantal landen
- Aantal academies
- Aantal talen
- Aantal leer- en creativiteitsplannen

De cijfers zijn bijgewerkt op 15 januari 2025.

Doel: de voortgang en het bereik van het platform transparant zichtbaar maken en gebruikers inzicht geven in de ontwikkelingsfase van het initiatief.

6. Sectie met bronnen van de Federatie

Beschrijving: een uitgebreide tekst licht toe hoe de Federatie leerkrachten en docenten wil opleiden, projectgebaseerd STEAME-leren wil bevorderen en een Europees netwerk van academies wil uitbouwen. Daarbij worden ook de band met Erasmus+ en de langetermijnvisie op onderwijstransformatie benadrukt.

Doel: het platform in een inhoudelijk en professioneel kader plaatsen en duidelijk maken dat het niet alleen een instrument is, maar ook een strategisch initiatief om de toekomst van STEAME-onderwijs in Europa mee vorm te geven.

7. Europese certificering voor STEAME Teacher Facilitators (microcredential)

Beschrijving: een tekstblok introduceert het certificeringstraject en legt uit hoe gebruikers een aanvraag kunnen indienen:

- Ofwel via een lokale (regionale) academie
- Of, als die er niet zijn, rechtstreeks via de Federatie

Een call-to-actionknop leidt rechtstreeks naar de aanvraagprocedure.

Doel: leerkrachten, docenten en leraren-in-opleiding begeleiden naar formele professionele erkenning binnen het kader van de Federatie.

8. Nuttige links (drie subonderdelen)

Beschrijving: de links zijn per doelgroep gegroepeerd en verwijzen naar externe bronnen:

- Leerkrachten en docenten in het schoolonderwijs
- **Leraren-in-opleiding in het hoger onderwijs**
- Leerlingen: competentietools en leervideo's

Doel: verschillende doelgroepen gericht toegang bieden tot relevante links en leermiddelen.

9. Overzicht van het mentorprogramma

Beschrijving: dit onderdeel bevat twee subsecties, waaronder:

-

- Zoek een STEAME-mentor

Doel: een duurzame en ondersteunende mentorstructuur opbouwen die ervaren onderwijsprofessionals verbindt met minder ervaren collega's en leraren-in-opleiding.

10. Inschrijving op de nieuwsbrief

Beschrijving: een kopie van het algemene nieuwsbriefinschrijfformulier met de velden naam, e-mail, organisatie, stad en land.

Doel: het communicatiebereik van de Federatie vergroten en gebruikers op de hoogte houden van updates en mogelijkheden.

Bijlage 2 – Startpagina van het STEAME Observatory

The screenshot shows the homepage of the STEAME Observatory. At the top, there is a navigation bar with links: Home, About the Federation, Observatory, News, Events, and Contact Us. The main header features the STEAME logo and a menu icon. Below the header, there is a large banner image showing a group of people. To the right of the banner, there is a 'Useful Links' section with three columns: 'SCHOOL SERVICE TEACHERS' (with a house icon), 'STUDENT TEACHERS HIGHER EDUCATION' (with a graduation cap icon), and 'SCHOOL STUDENTS' (with a person icon). Below this, there is a 'Mentoring Programme' section with two columns: 'BECOME A STEAME MENTOR' (with a person icon) and 'FIND A STEAME MENTOR FOR ME' (with a person icon). The middle section displays four statistics: '8 Countries' (by 15th June 2024), '14 Academies' (by 15th June 2024), '9 Languages' (by 15th June 2024), and '108 Learning & Creativity Plans' (by 15th June 2024). Below this, there is a 'The Federation Resources' section with a large image of the Parthenon and a 'Subscribe to our Newsletter' form. The footer includes a 'EUROPEAN STEAME TEACHER FACILITATOR CERTIFICATION' section and a 'CONTACT US' section with a form.

5. NIEUWS- EN EVENEMENTENFUNCTIONALITEIT

1. Nieuws

De nieuwssectie van het platform van de STEAME Federation publiceert officiële updates, aankondigingen en voortgangsberichten van de Federatie en haar partners.

- belanghebbenden informeren over projectmijlpalen, afgeronde evenementen, nieuwe bronnen en publicaties;
- de impact van de activiteiten van de Federatie in heel Europa zichtbaar maken;
- transparantie en regelmatige communicatie met onderwijsprofessionals, partners en het brede publiek bevorderen.

De inhoud van deze sectie wordt samengesteld en gepubliceerd door het team van de Federatie. Ze fungeert als centraal archief voor belangrijke updates over het Europese STEAME Teacher Academies-initiatief.

2. Evenementen

De evenementensectie brengt komende activiteiten onder de aandacht, zoals:

- workshops, symposia en rondetafelgesprekken over certificering die door de Federatie worden georganiseerd;
- belangrijke Europese of nationale bijeenkomsten rond STEAME-onderwijs;
- belangrijke data voor lerarenopleiding, deelname aan academies of projectverspreiding.

De sectie helpt gebruikers hun deelname te plannen, op de hoogte te blijven en aansluiting te vinden bij mogelijkheden voor professionele ontwikkeling. Evenementen worden gepubliceerd door de Federatie of, in de toekomst, via bijdragen van geverifieerde gebruikers.

3. Indienen van evenementen uit de gemeenschap

Het platform krijgt binnenkort een functie waarmee leerkrachten en docenten, vertegenwoordigers van STEAME Academies en andere betrokkenen rechtstreeks evenementen kunnen voorstellen. Deze functie is momenteel nog in ontwikkeling en is bedoeld om participatie van onderuit te stimuleren en lokale STEAME-initiatieven zichtbaarder te maken.

De functie zal naar verwachting:

- het delen van STEAME-gerelateerde evenementen van onderuit mogelijk maken, zoals schoolworkshops, opleidingen door academies, interdisciplinaire wedstrijden en onderwijsconferenties;
- **een gestandaardiseerd indieningsformulier aanbieden met verplichte velden, waaronder:**
 - Titel van de gebeurtenis
 - Omschrijving
 - Datum en tijd
 - Locatie (fysiek of online)
 - Doelgroep
 - Contactinformatie van de organisator
- **een moderatie- en goedkeuringsproces omvatten:**
 - ingediende evenementen worden beoordeeld door het administratieve team van de Federatie om na te gaan of ze aansluiten bij de onderwijsdoelstellingen van STEAME;
 - alleen goedgekeurde evenementen worden gepubliceerd en verschijnen in de openbare evenementenkalender van het platform;

- indieners kunnen vóór goedkeuring worden gecontacteerd voor verduidelijking of aanvullende informatie.

Deze geplande functionaliteit zal het platform aanzienlijk uitbreiden en onderwijsprofessionals in heel Europa een kanaal bieden om hun eigen activiteiten te promoten. Daarmee ondersteunt ze de doelstelling van de STEAME Federation om gezamenlijke zichtbaarheid, lokale betrokkenheid en door leerkrachten en docenten gedragen innovatie binnen het bredere STEAME-onderwijskader te bevorderen.

4. Nieuwsbrief

In de nieuwsbriefsectie kunnen edities van de nieuwsbrief van de Federatie worden gedownload. Ze:

- bundelen nieuws, resultaten en komende kansen;
- bieden een handig formaat om updates met bredere netwerken te delen;
- stellen belanghebbenden in staat op de hoogte te blijven, ook wanneer zij de website niet regelmatig bezoeken.

Eerdere nieuwsbrieven worden per jaar gearchiveerd en kunnen als PDF worden gedownload, zodat onderwijsprofessionals en institutionele partners de ontwikkeling van het project doorheen de tijd kunnen volgen.

6. HULPMIDDELEN VAN HET STEAME-OBSERVATORIUM

6.1 Certificeringstraject voor STEAME Teacher Facilitators (in ontwikkeling)

Het platform van de STEAME Federation ontwikkelt een gestructureerd certificeringstraject voor leerkrachten en docenten. Het traject erkent hun vermogen om interdisciplinaire, projectgebaseerde STEAME-leeractiviteiten te ontwerpen en uit te voeren. De certificering wordt toegekend als microcredential en sluit aan bij een competentiegericht kader dat op Europees niveau is ontwikkeld.

Doel van de certificering

Het certificeringsproces heeft tot doel:

- leerkrachten en docenten met praktijkervaring in STEAME-onderwijs erkennen;
- hun vermogen valideren om interdisciplinaire leer- en creativiteitsplannen (L&C-plannen) te ontwerpen en toe te passen;
- reflectieve onderwijspraktijken en gestructureerde evaluatie bevorderen;
- de professionele ontwikkeling en erkenning van onderwijsprofessionals in heel Europa ondersteunen.

Het traject is in het bijzonder gericht op leerkrachten en docenten die actief lesgeven en op leraren-in-opleiding. Samenwerking en leren van collega's staan daarbij centraal.

Opbouw van het certificeringsproces

Deelnemers doorlopen een stapsgewijze rapportage- en evaluatieprocedure met de volgende onderdelen:

1. Co-creatie in teamverband

- Aanvragers vormen een team van ten minste twee onderwijsprofessionals en ontwerpen samen een STEAME Learning & Creativity Plan.
- Elke aanvrager vermeldt als onderdeel van de oorspronkelijke aanvraag zijn of haar onderwijsachtergrond, waaronder vakgebied, onderwijsniveau en instelling.

2. Ontwikkeling en indiening van het plan

- Het team dient een volledig Learning & Creativity Plan in PDF-formaat in.
- Voor elk van de 14 STEAME-modules op het platform beschrijven de aanvragers in maximaal 50 woorden hoe de betreffende elementen in hun L&C-plan zijn verwerkt.

3. Implementatie in de klas

- Het L&C-plan wordt tijdens een reeks lessen met leerlingen uitgevoerd.
- Aanvragers rapporteren het aantal betrokken leerlingen en de exacte uitvoeringsdata.
- Bewijs van uitvoering wordt ingediend in de vorm van foto's of video's.

4. Toestemming van ouders

- Leerkrachten en docenten bevestigen of zij toestemming van de ouders hebben verkregen voor het ingediende beeldmateriaal.
- Is dat niet het geval, dan dienen zij een ondertekende privacyverklaring in.

5. Feedback en reflectie

- Feedback van leerlingen wordt verzameld aan de hand van een vaste reeks vragen over vier belangrijke thema's:
 - praktische relevantie van het project
 - duidelijkheid van de werkwijze en ervaring met teamwork
 - eigenaarschap en autonomie van leerlingen in het leerproces
 - interesse en motivatie op langere termijn om verder te leren binnen STEAME
- De geanonimiseerde ruwe gegevens moeten in Excel-formaat worden ingediend.
- Elke leerkracht of docent reflecteert hier schriftelijk op.

6. Zelfevaluatie

- Aanvragers beoordelen hun eigen functioneren aan de hand van een uitgebreid competentiekader dat betrekking heeft op:
 - contextualisering van STEAME-projecten
 - methodologische kwaliteit en ondersteuning van het leerproces
 - autonomie van leerlingen en coaching
 - innovatie en duurzaamheid in STEAME-onderwijs

Elk competentiegebied bevat prestatiedescriptoren op drie niveaus. Aanvragers moeten:

- de descriptor selecteren die het best bij hun niveau past;
- hun zelfbeoordeling schriftelijk onderbouwen, met maximaal 50 woorden per criterium.

Beoordeling en validatie

Na indiening wordt het volledige rapport beoordeeld door beoordelaars van de Federatie of, waar van toepassing, van een regionale STEAME Academy.

- De kwaliteit van het L&C-plan
- bewijs van uitvoering in de klas
- feedback en betrokkenheid van leerlingen
- Volledigheid en nauwkeurigheid van de zelfevaluatie

Aanvragers die voldoen aan de normen uit het competentiekader ontvangen de STEAME Teacher Facilitator Certification. Deze erkenning kan ook worden ingezet voor loopbaanontwikkeling of verdere accreditatie.

Opmerking: zolang het volledige online indieningssysteem nog niet klaar is, verloopt de rapportage handmatig met downloadbare sjablonen. Zodra het systeem volledig in het STEAME-platform is geïntegreerd, zal dit proces online verlopen.

6.2 Mentorprogramma: functies voor mentor en mentee

Het STEAME Mentoring Programme is een gestructureerd onderdeel van het platform dat professionele groei ondersteunt door ervaren STEAME-leerkrachten en -docenten (mentoren) te verbinden met beginnende leerkrachten, docenten en leraren-in-opleiding (mentees). Het systeem is volledig geïntegreerd en biedt een gestroomlijnd proces voor registratie, verificatie, goedkeuring en openbare vermelding.

Doel van het mentorsysteem

Dit programma heeft tot doel:

- praktische begeleiding bieden aan leraren-in-opleiding bij de toepassing van STEAME-methodologieën;
- kennisoverdracht tussen ervaren onderwijsprofessionals en nieuwkomers bevorderen;
- de STEAME-gemeenschap versterken door samenwerking en wederzijdse ondersteuning te stimuleren.

Het programma is opgebouwd rond twee rollen:

- Mentoren – ervaren leerkrachten/docenten of lerarenopleiders binnen STEAME-disciplines
- Mentees – beginnende leerkrachten/docenten of leraren-in-opleiding die begeleiding zoeken

Kernfunctionaliteit

Het systeem bestaat uit drie hoofdcomponenten:

1. Overzichtspagina met mentoren

Goedgekeurde mentoren worden vermeld in een openbaar mentoroverzicht waarin mentees beschikbare profielen kunnen bekijken.

- Naam, organisatie en land
- Vakgebieden of aandachtsgebieden (bijv. STEAME-disciplines, mentoringthema's)
- Mogelijkheid voor mentees om interesse in contact te tonen

Zo worden mentoren in verschillende regio's beter zichtbaar en bereikbaar.

2. Registratieformulier voor mentoren en goedkeuring

Leerkrachten en docenten die mentor willen worden, vullen een specifiek registratieformulier in met:

- volledige contactgegevens en organisatie;
- onderwijsachtergrond en ervaring;
- gebieden waarin zij mentoring kunnen aanbieden;
- toestemming om in het openbare mentoroverzicht te worden opgenomen.

Achter de schermen bevat het systeem de volgende functies:

- na indiening wordt automatisch een e-mailmelding naar de beheerder gestuurd;
- een verificatiecode zorgt voor een veilige indieningsprocedure;
- na het invoeren van de code verschijnt dynamisch het bericht: "Code wordt geverifieerd, even geduld...";
- de metadata van de inzending worden veilig opgeslagen;
- de beheerder kan mentoren via een moderatie-interface goedkeuren of afwijzen, vergelijkbaar met het goedkeuren van reacties.

3. Registratieformulier voor mentees

Mentees registreren zich via een eenvoudig, gestructureerd formulier met de volgende gegevens:

- naam, e-mailadres, instelling (indien van toepassing) en interessegebieden;
- eventueel een voorkeur voor een specifieke mentor.

Belangrijkste stappen in het proces:

- **na indiening van het formulier en succesvolle bevestiging van het e-mailadres via een verificatiecode wordt de mentee automatisch goedgekeurd;**
- in deze fase is geen handmatige tussenkomst van de platformbeheerder nodig;
- de mentee ontvangt een bevestigingsmail en de aanvraag wordt actief in het systeem;
- de mentee ontvangt een wachtwoord waarmee hij of zij samen met het e-mailadres later opnieuw kan inloggen, bijvoorbeeld wanneer bij de eerste registratie nog geen geschikte mentor wordt gevonden.

Deze laagdrempelige toegang bevordert brede deelname, terwijl de identiteit via e-mailverificatie wordt gecontroleerd.

Zowel mentor- als mentee-inschrijvingen leiden tot e-mailmeldingen aan de platformbeheerders, zodat zij het proces efficiënt kunnen opvolgen.

Koppelingsproces (huidige werkwijze)

Zodra mentoren en mentees in het systeem zijn opgenomen:

- **kunnen mentees vrij door de lijst met goedgekeurde mentoren bladeren en een mentor kiezen die bij hun behoeften past;**
- **krijgen mentees niet rechtstreeks de contactgegevens van de mentor te zien;**
- gebruikt de mentee in plaats daarvan een ingebouwd contactformulier om een verzoek te versturen. Dit bericht wordt bezorgd aan:
 - De geselecteerde mentor
 - Het administratieve team van de Federatie

Zo verloopt het eerste contact veilig en onder toezicht.

De mentor beslist vervolgens zelf of hij of zij op het verzoek ingaat.

- **Als de mentor wil deelnemen, kan hij of zij rechtstreeks per e-mail antwoorden aan de mentee.**
- De mentor hoeft de Federatie niet in cc te zetten. Het verdere contact is privé, zodat na de eerste introductie autonomie en privacy behouden blijven.

Deze aanpak waarborgt:

- gecontroleerde kennismakingen op basis van toestemming;
- gegevensbescherming en naleving van de AVG;
- de vrijheid van mentoren om zelf te beslissen of zij deelnemen, met behoud van een professioneel eerste contactpunt.

Het systeem ondersteunt zowel door mentees zelf geïnitieerde contacten als, waar nodig, matching met ondersteuning van een beheerder. Zo blijft het proces flexibel en schaalbaar.

Bijlage 3 – Mentorprogramma

Bijlage 3.1 – Registratieformulier voor mentoren



HomeAbout the FederationObservatoryNewsEventsContact Us

Mentors Form

Mentor Form

Name (required)

Surname (required)

Affiliation (name of school, HLL website) (required)

City of Work (required)

Country of Work (required)

Language (required)

English

Email (required)

Please type Verification Code (required)

Send Code

Click the "Send Code" button to receive a verification code via email.

Tel (Office) (required)

Tel (Mobile) (optional)

Professional field of expertise/studies (required)

Teaching subjects, if any (required)

Science

Technology

Engineering

Arts

Mathematics

Entrepreneurship

Select All

Upload Photo (required)

Choose file

No file chosen

Accepted file types: jpg, png, gif. Max file size: 5 MB.

Upload Bio (Max 500 characters) (required)

0 of 500 max characters

Available for (Choose 1 or more) (required)

Online Mentorship

Internship Collaboration

Co-creation towards STEAM Certification

Select All

Is your institution/organization/school (Choose more than one if applies) (required)

Member of the European Federation of STEAM Teacher Facilitators Academies?

Associate partner of the project STEAM-Academy

Private

Public

School (Any grades within 1-12)

Higher Education

Training Centre

Other

Select All

Consent (required)

I am over 18 years old I agree that my profile content entered here will be made available to registered mentees.

Submit

Bijlage 3.2 – Mentorprogramma



[Home](#) [About the Federation](#) [Observatory](#) [News](#) [Events](#) [Contact Us](#)

Mentees Form

Mentee Form

Full Name (Required)	Affiliation(name of School, HEI, website) (Required)
City of Work (Required)	Country of Work (Required)
Email (Required)	Please Type Email Verification Code (Required)
Send Code	

Click the "Send Code" button to receive a verification code via email.
If your email is already verified, simply enter your verified email and the previously received code to proceed.

Tel (Office) (Required)	Tel (Mobile) (optional)
Professional field of expertise/studies (Required)	

Teaching subjects, if any

- ☐ Science
☐ Technology
☐ Engineering
☐ Arts
☐ Mathematics
☐ Entrepreneurship

Is your institution/organization/school (Choose more than one if applies) (Required)

- ☐ Member of the European Federation of STEAME Teacher Facilitators Academies?
☐ Associate partner of the project STEAME-Academy
☐ Private
☐ Public
☐ School (Any grades within 1-12?)
☐ Higher Education
☐ Training Centre
☐ Other

Mentorship Type (Required)

- ☐ Online Mentorship
☐ Internship Collaboration
☐ Co-creation towards STEAME Certification



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Bijlage 3.3 – Mentorprogramma



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Display Mentors

Display Mentors

Email (required)

youremail@youremail.com

Please Type Verification Code (required)

980063

Enter your email to receive a verification code and view the mentor list

Search mentors...

Mathematics

All Types

All Languages



Gregoris Makrides

Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director...

View Profile

Bijlage 3.4 - Mentorprogramma Biodisplay Mentors



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Display Ment

Email (required)

youremail@youremail.com

Enter your email to receive a verification code

Search mentors...

Mathematics

All Types

All Languages



Gregoris Makrides

First Name

Gregoris

Last Name

Makrides

Affiliation

University of the National Education Commission

City of Work

Krakow

Country of Work

Poland

Language

English

Professional Field

Mathematics and STEAME Education

Bio

Holds a Ph.D. in Applied Mathematics from USA. He worked as a teacher trainer at the Cyprus Pedagogical Institute, Director of Research & International Relations at the University of Cyprus and since 2021 is a professor of Maths and STEAME Education at the University of National Education Commission in Krakow. He is the coordinator of the project STEAME-Academy. He has publications in referred journals, conference proceedings and in public press.

6.3 Leer- en creativiteitsplannen

De sectie Learning & Creativity Plans (L&C Plans) van het STEAME-platform is een digitale bibliotheek met interdisciplinaire, projectgebaseerde lesplannen die aansluiten bij het STEAME-onderwijskader (Science, Technology, Engineering, Arts, Mathematics en Entrepreneurship). De plannen worden ontwikkeld door onderwijsprofessionals, tijdens pilots geëvalueerd en beschikbaar gesteld om toepassing in de klas te ondersteunen voor verschillende leeftijdsgroepen en onderwijsniveaus.

Doel van de sectie

Deze sectie is bedoeld om:

- kant-en-klare lesplannen aan te bieden aan onderwijsprofessionals die binnen STEAME-disciplines werken;
- interdisciplinair denken te stimuleren met voorbeelden waarin verschillende vakgebieden worden samengebracht in samenhangende leeractiviteiten;
- leerkrachten en docenten in het STEAME-certificeringstraject te ondersteunen, waarbij het ontwerpen en toepassen van een L&C-plan een kernvereiste is;
- samenwerking, creativiteit en innovatie in Europese klaslokalen te bevorderen.

Elk plan legt de nadruk op maatschappelijke relevantie, teamwork, actief leren en de toepassing van de STEAME-methodologie via een gestructureerde projectaanpak.

Belangrijkste kenmerken en structuur

Onderwijsprofessionals die de sectie Learning & Creativity Plans openen, kunnen:

- **door de volledige bibliotheek met gepubliceerde plannen bladeren;**
- **plannen filteren op:**
 - vakgebied (bijv. wetenschappen, wiskunde, techniek, kunst enz.);
 - Leeftijdsgroep (bv. 10)
 - **Taal**
 - **Auteur**
- **de details van elk plan bekijken, waaronder:**
 - titel en plancode (bijv. ST53, “De toekomst van energie”);
 - doelgroep en studierichting;
 - naam en instelling van de auteur;
 - korte beschrijving en leerdoelen;
 - toegang tot het volledige downloadbare plan of een voorbeeld;
- geavanceerde filters gebruiken om plannen te vinden die relevant zijn voor specifieke thema’s, landen of onderwijsinstellingen.

Elk plan wordt tijdens de ontwikkeling door collega’s beoordeeld of in de praktijk getest, zodat een bepaald kwaliteitsniveau en aansluiting bij de STEAME-onderwijsprincipes worden gewaarborgd.

Gebruik voor certificering en in de dagelijkse onderwijspraktijk

Voor deelnemers aan het STEAME-certificeringstraject is het selecteren of ontwerpen van een Learning & Creativity Plan een verplichte stap. Deze plannen dienen zowel als:

- sjabloon voor het ontwerpen van interdisciplinaire activiteiten;
- verplicht in te dienen onderdeel dat gekoppeld is aan uitvoering in de klas en feedback van leerlingen.

Voor alle onderwijsprofessionals vormt de bibliotheek met L&C-plannen een creatieve inspiratiebron om de STEAME-methodologie toe te passen in realistische lessituaties met praktische voorbeelden die zijn afgestemd op verschillende leeftijden.

Bijlage 4 - Plannen voor leren en creativiteit



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All videos available in the Resources below are available in 9+ languages subtitles.
Please see the relevant tutorial [here](#) on how to enable captions and switch the subtitles' language.

Find a Resource

PS: Prefeference Teacher - Teacher to be, student in higher education
ST: Service Teacher - Teacher working in a School

Click [HERE](#) to view a full list of Learning & Creativity Plans

DescendingAscendingMost Viewed

Regional Academies

SHOW RESULTS

Reset All

Category

European Level

Learning & Creativity Plans

Modules

Subcategory

Age Levels

Language

SHOW RESULTS

Reset All

PS1-Finding science and mathematics in art of Salvatore Dali-EN

PS2-Discovering Antoni Gaudi-EN

PS3-Eco multi-use cube from reused water plastic bottles-EN

PS4-Sound proof panels from reused polyester fabric waste-EN

PS5-Water filter ecological straw-EN

PS6-Research AI tools in education-EN

PS7-Exploring and presenting AI tools within school assignments-EN

PS8-Escape Room in the classroom-EN

PS9-Four triangle centres and the Euler Line-EN

PS10-Programming through gamification-EN

PS11-Weather in my city-EN

PS12-Eco-Innovation. Designing a Sustainable Product using Chat GPT-EN

PS13-Ancient Greek Innovators - Exploring and Recreating Technology-EN

PS14-Sustainable Tourism in Rhodes-EN

PS15-Applications of AI in the real world for improving the quality of life-EN

PS16-The Spread of Infectious Diseases-EN

PS17-Handling Data in the context of Climate Change-EN

PS18-Using Simple Linear programming ..

PS19-Sweet Hive Venture-EN

PS20-Art Studio-EN

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6.4 Regionale en nationale academies

De sectie met regionale en nationale STEAME Academies toont het groeiende netwerk van lokale STEAME Academies in Europa en daarbuiten. Deze academies werken binnen de coördinatie- en kwaliteitskaders van de STEAME Federation en fungeren als nationale of regionale knooppunten voor lerarenopleiding, mentoring, certificering en verspreiding van STEAME-onderwijspraktijken.

Doel van de sectie

Deze sectie heeft als doel:

- de geografische spreiding van actieve STEAME Academies in verschillende landen op een kaart weer te geven;
- regionale organisaties die de lokale implementatie van het STEAME-kader ondersteunen zichtbaarheid te geven;
- leerkrachten, docenten en instellingen te helpen contact op te nemen met de dichtstbijzijnde academie voor certificering, opleiding en ondersteuning vanuit de gemeenschap;
- de oprichting van nieuwe regionale academies binnen de Federatie te bevorderen.

Dit sluit aan bij de bredere visie van het STEAME-project: onderwijstransformatie opschalen door lokaal eigenaarschap en lokale aanpassing mogelijk te maken binnen een gestructureerd Europees kader.

Belangrijkste kenmerken en structuur

De afdeling omvat:

6.4.1 Landenlijsten

Een lijst van deelnemende landen met actieve of in ontwikkeling zijnde regionale STEAME Academies. Per land kan worden doorgelinkt naar meer informatie over de academie, zoals:

- gastinstelling;
- contactpunt;
- werktaal;
- actieve programma's en lokale STEAME-activiteiten.

Momenteel zijn onder meer België, Bulgarije, Cyprus, Griekenland, Polen, Portugal, Roemenië en Spanje vertegenwoordigd. De lijst zal naar verwachting verder groeien naarmate nieuwe academies worden goedgekeurd.

6.4.2 Aanvraag voor de oprichting van een nieuwe academie

Organisaties, zoals scholen, lerarenopleidingscentra, ngo's of universiteiten, die in hun regio een nieuwe STEAME Academy willen oprichten, kunnen via het platform een aanvraag indienen.

- **Een duidelijke E's met een regionale STEAME Academy**
- Een

Deze aanvragen worden door de Federatie beoordeeld op basis van de richtlijnen en hun aansluiting bij de projectdoelstellingen.

6.4.3 Uitnodiging om lid te worden van de Federatie

Naast het oprichten van een academie kunnen instellingen ook een aanvraag indienen om lid te worden van de Federatie. Hiervoor is een afzonderlijke optie “Lid worden” met een eigen knop “Apply Now” beschikbaar.

Procesoverzicht

1. Leerkrachten en docenten die het platform bezoeken, kunnen hun nationale of regionale academie vinden en daar ondersteuning aanvragen.
2. Instellingen kunnen een aanvraag indienen om nieuwe academies op te richten in regio's waar er nog geen zijn, zodat het STEAME-ecosysteem verder kan groeien.
3. Mentoring en certificering verlopen vaak via deze academies, die als lokale contactpunten voor de uitvoering van de programma's fungeren.

Bijlage 5 – Regionale en nationale academies

Bijlage 5.1 – Regionale en nationale academies

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REGIONAL/NATIONAL LEVEL STEAME ACADEMIES

Regional STEAME Academies are functioning in specific regions in Europe and beyond. Service teachers in Schools or student teachers in HE who are interested to receive training, find resources in national languages or apply for certification, may visit a regional academy in their country.



BELGIUM



BULGARIA



CYPRUS



GREECE



POLAND



PORTUGAL



ROMANIA



SPAIN

ESTABLISH A REGIONAL STEAME ACADEMY

If an organization is interested and ready to establish a regional STEAME Academy, the process may begin here.

[APPLY NOW](#)

BECOME A MEMBER

Educational Organizations interested to eventually develop or support a STEAME Academy in their region may apply for membership.

[APPLY NOW](#)



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EUROPEAN FEDERATION OF
STEAME
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Nicosia, Cyprus

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Bijlage 5.2 – Formulier voor de oprichting van een regionale academie



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Application to establish a Regional STEAME Academy

1

Applicant Organization Information

2

Representative of the organization contact details

Member Applicant Organization Name (Use English Name) *

Type of organization

☐ Public ☐ Private

Tax ID Code of the organization or equivalent

Legal form of the organization *

Select an option

Website of the organization *

Please enter a valid URL

Main sector of activities *

City/Region of Interest for opening a regional ACADEMY *

Organization short profile (Only PDF files allowed with Maximum 500 words) *

Choose file No file chosen

NEXT



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Opmerkingen

* Functionaliteiten die met een * zijn aangeduid, worden binnen de looptijd van het project beschikbaar.

Nuttige links

- Overzicht van alle mentoren voor mentees (met zoekfunctie): <https://federation-steame-academies.eu/display-mentors/> <https://federation-steame-academies.eu/display-mentors/>
- Menteeformulier indienen: <https://federation-steame-academies.eu/mentees-form/>
- Mentorformulier indienen: <https://federation-steame-academies.eu/mentors-form/>