



Science Technology
Engineering Mathematics

Strengthening STEM Education Across Europe *Presentation*

From: EU STEM Coalition

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EU STEM COALITION

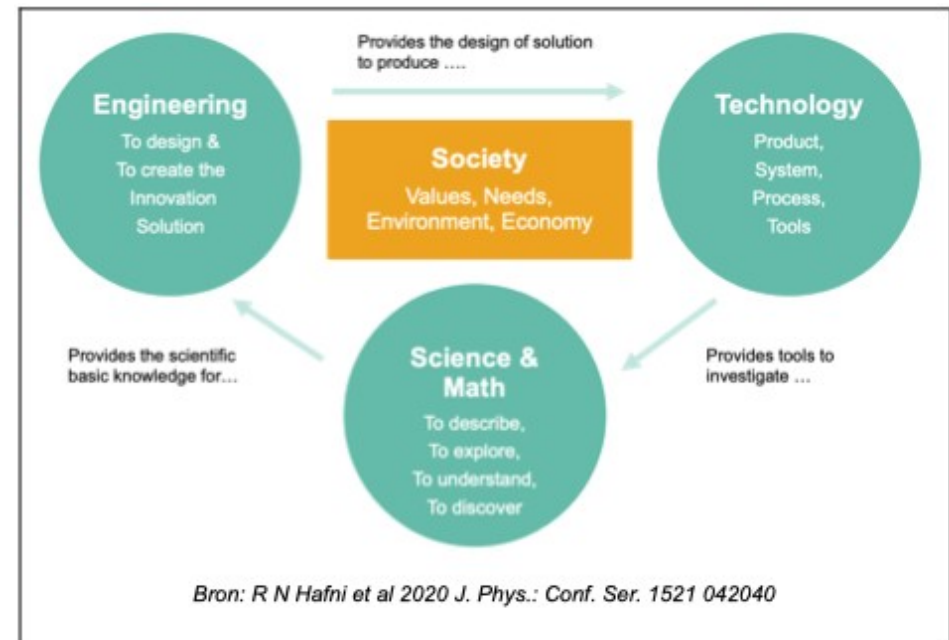


For a full list of our Coalition's members, please visit
our website here →



Why Strengthen the STEM Education Ecosystem

STEM education develops analytical thinking through **Science**, technological literacy (creating, understanding, using, and evaluating technology responsibly) through **Technology**, practical problem-solving through **Engineering**, and logical reasoning through **Mathematics**, equipping individuals with the skills to innovate and address real-world challenges.



EU STEM Coalition

Network of national and regional STEM platforms



Main question to be answered:

How to translate policy objectives in effective and scalable implementation programmes?

Facilitate best-practice sharing

Programme mappings

EU STEM monitor

Events

Provide direct support

Taskforces

Roundtables

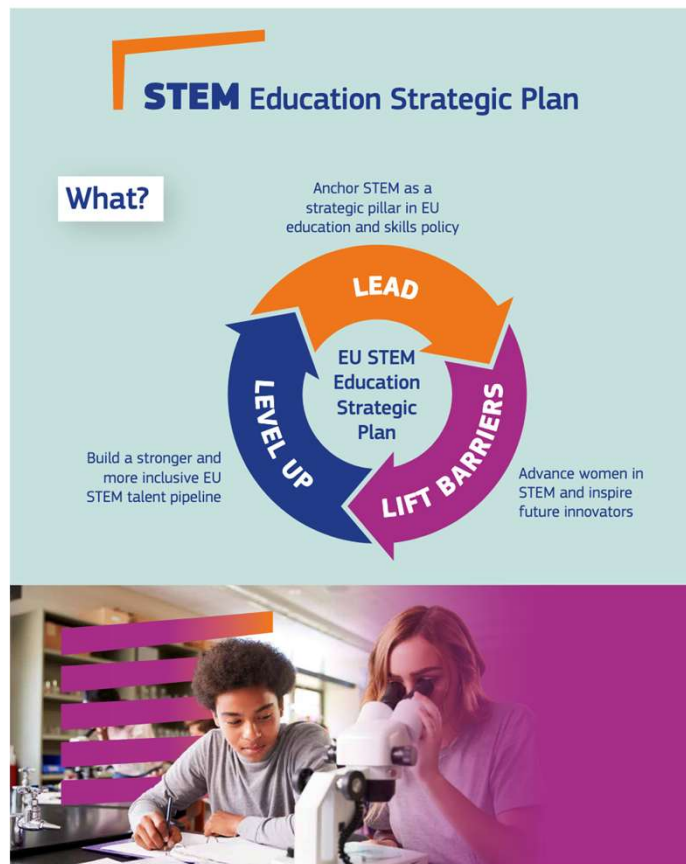
Align EU actions with needs of members

Communication

Policy recommendations

Strong secretariat is needed for coordination of all activities

EU STEM Education Strategy 2025



Ref. Ares(2025)11433723 - 19/12/2025



Erasmus+ Programme (ERASMUS)

Call for proposals

European policy experimentations
ERASMUS-EDU-2026-POL-EXP

Version 1.0
19 December 2025

Call for proposal – Policy Experimentation - STEM Centres



- Increasing an equal access to holistic quality STEM and STEAM education through community-based learning ecosystems while combining formal, non-formal and informal learning environments.
- Increasing students' interest, motivation and achievement in STEM and STEAM, particularly among the underrepresented groups of learners such as female students, learners from low-income families and migrant backgrounds, as well as with disabilities.
- Raising teachers' competences in effective STEM and STEAM teaching and learning approaches and addressing STEM teacher shortages.
- Strengthening cooperation between community actors to better respond to local/regional needs in STEM and STEAM education.
- Fostering exchange and mutual learning through transnational/regional cooperation between STEM and STEAM education stakeholders.

Development of international ‘Know-how’ around two Key-Concepts

Whole-school approach & whole-system reform: Sustainable educational improvement requires coherence and shared responsibility across all interacting subsystems — within schools (teachers, leadership, students, parents, curriculum, assessment) and across the wider system (policymakers, agencies, businesses, civil society). Reform only works when governance, practice, and resources are aligned at every level.

Open Schooling as practice: Schools collaborate with external partners (science centres, universities, enterprises, community organisations) to deliver interdisciplinary, real-life STEM learning that addresses societal challenges, strengthens community engagement, and promotes active citizenship while achieving curriculum goals