



ABOUT THE PROJECT

The **STEAME-DRREC** project aims to develop dynamic cross-curricular digital guidelines and activities related to Disaster Risk Reduction (DRR) Education for elementary students. It uses the intradisciplinary STEAME methodology—Science, Technology, Engineering, Arts, Mathematics and Entrepreneurship—together with inquiry-based, context-based and problem-solving approaches.

The activities will give students opportunities to improve their knowledge of natural hazards and their consequences, develop sustainable behaviour and build the life skills needed to prevent hazards from becoming disasters. The resources are designed for inclusive and multicultural education so that all students can participate actively in teaching and learning.

STEAME-DRREC will also develop and assess teaching models that embed these activities in current curricula through appropriate digital technologies, contributing to the digital transformation of primary education.

Key outcomes include:

- Guidelines for a dynamic and adaptive framework of Disaster Risk Reduction Education Curricula
- A set of STEAME DRR activities for elementary school students
- Guidelines and modules for a teachers’ training programme

Implementation period: 31 August 2024 – 30 August 2026

Project consortium

Coordinator:

- Cyprus Mathematical Society, Cyprus

Partners:

- Competence Center for a Sustainable and Resilient Built Environment using Smart Technologies (SURE)
- Cyprus Pedagogical Institute – Cyprus
- Directorate of Primary Education of Kozani, Greece



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Objectives

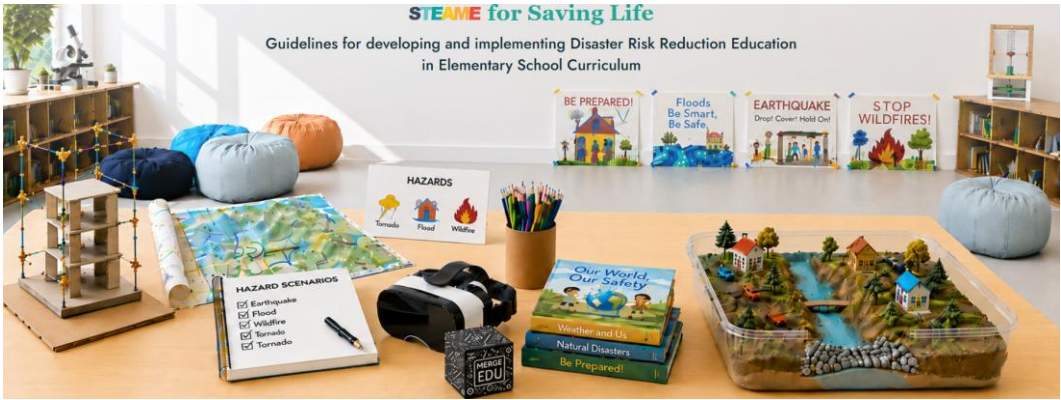
The Main Objectives of the project are:

- Develop adaptable guidelines for embedding DRRE into existing curriculum subjects and learning activities.
- Design inclusive STEAME-DRRE activities that strengthen pupils’ knowledge, preparedness, problem-solving skills and responsible behaviour.
- Train and support teachers in designing and implementing curriculum-aligned DRRE activities through inquiry-based, collaborative and digital approaches.
- Pilot and evaluate the developed framework and activities in schools in Cyprus and Greece.
- Raise awareness among schools, educational authorities and wider communities about the importance of disaster prevention, preparedness and resilience.

Project Priorities

The Priorities addressed by the project are:

- Integrating Disaster Risk Reduction Education into primary school curricula
- Strengthening pupils’ knowledge, preparedness, resilience and life skills
- Empowering teachers to design and implement STEAME-DRRE learning activities
- Promoting inclusive, inquiry-based and digitally supported education
- Raising awareness of natural hazards, climate change and community safety



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KICK-OFF MEETING, KOZANI-GREECE
20 September 2024

The first meeting of the STEAME-DRREC project was successfully held on 20 September 2024, in Kozani, Greece. Host of the meeting was the Directorate of Primary Education of Kozani (DPEK).

During the meeting, the development of interactive and collaborative activities combining science, technology, engineering, arts, mathematics and entrepreneurship (STEAME) with education for addressing natural disasters and climate change (DRREC) was planned. These activities will be designed to meet the needs of primary school students (from grade 1 to grade 6), promoting their active participation through innovative teaching methods. At the same time, digital tools such as educational software, digital learning platforms and multimedia will be used to enhance student interaction and engagement in the learning process.

Subsequently, a training seminar will be held for teachers, school principals and heads of educational organizations. Through this seminar, teachers will acquire the necessary knowledge and skills to teach topics on natural disasters and climate change in creative and interdisciplinary ways. The seminar will include theoretical training, practical examples and guidance on integrating the activities into the curriculum, as well as the use of digital tools and educational materials.





Project consortium

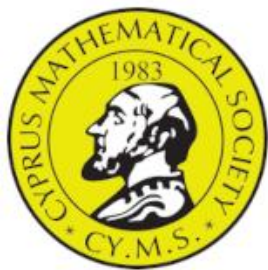
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