



**Center of Excellence for
Environmental Risk Management**

Project N°: 2024-1-SK01-KA220-HED-000243758



Co-funded by
the European Union



Our impact

We address the urgent challenge of climate-induced hydrological risks (floods, droughts, and heatwaves) by promoting resilience at multiple levels, from academic modernization to real-world community preparation, ensuring that research outcomes translate into practical solutions.

Through cross-border cooperation, we empower higher education institutions to act as drivers of climate action while bridging science, policy, and practice. We also amplify societal resilience by equipping stakeholders with tools to anticipate and respond to hydrological threats.



Our objectives

CERMA aims to improve Europe's capacity to manage water-related risks through three central objectives:

- 1.** Developing advanced methods for environmental risk assessment and hydrological modelling that strengthen understanding and forecasting of climate hazards.
- 2.** Modernising higher education curricula and lifelong learning pathways, ensuring that students and professionals acquire the skills needed to navigate a changing climate.
- 3.** Enhancing collaboration and dissemination to influence policy and empower communities.



Key innovations

A defining innovation of CERMA is the integration of cutting-edge hydrological modelling with education reform. Embedding tools such as GIS mapping, climate-data simulations, and environmental risk indicators into curricula, coupling research and pedagogy to represent a forward-looking model for higher education institutions.

Another key innovation lies in our systemic, multi-actor approach. By uniting universities, innovation experts, and stakeholders from six countries, the project creates transnational laboratories for co-designing risk solutions that serve wider society.

The partnership

CERMA unites a strong, interdisciplinary partnership of universities and innovation experts from six European countries, each bringing complementary expertise to tackle hydrological and environmental risks through education and research.





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