



Coordinator

NORSAR

Participants



Oslo



**MÉTROPOLE
NICE CÔTE D'AZUR**



CONTACT



info@mediate-project.eu



www.mediate-project.eu



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Funded by
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 **MEDiate.**

**Multi-hazard and risk
informed system for
Enhanced local and
regional *Disaster* risk
management**



Objectives

Improving multi-hazard assessments of natural hazards and highlighting potential trends due to climate change.

Improving multi-hazard risk assessments accounting for interactions and trends in their components.

Advancing beyond the state-of-the art in multi-hazard hazard and risk approaches by developing dynamic and future-centric risk-framing tools that effectively address the decision-making needs of various stakeholders, including local government, businesses and citizens

Providing decision makers with a means of visualising the components of disaster risk and resilience, the stakeholders' preferences and the effect of different actions and alternate futures on possible scenarios for an area, considering the multiple hazards that are present and how these (and other risk components) may change with time.

Testbeds



Oslo (Norway)

Main hazards:
Forest fires
Floods
Storm
Landslides
Earthquakes

Nice (France)

Main hazards:
Floods
Landslide
Storm
Heatwaves
Forest fires



Essex County Council (UK)

Main hazards:
Flood
Drought

Austurbrù (Iceland)

Main hazards:
Floods
Landslides
Storm



The project



Climate change is acting all over the world, in different ways, often causing damage to structures, populations and the environment.

MEDiate is a 3-year project that aims to develop a decision support system (DSS) for disaster risk management by considering multiple interacting **natural hazards** and **cascading impacts** using a novel resilient-informed and service-oriented approach that accounts for forecasted modifications in the hazard, vulnerability and exposure.

