

WHO WE ARE

The **STRENGTH** Project is based on a solid partnership of eight Italian and Croatian entities:

University of Ferrara - Lead Partner

Department of Engineering, *Italy*

University of Split - Faculty of Civil Engineering, Architecture and Geodesy, *Croatia*

University of Split - Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, *Croatia*

OGS - National Institute of Oceanography and Applied Geophysics, *Italy*

Ferrara Plain Reclamation Consortium, *Italy*

Rera SD, Public Institution for Coordination and Development of Split Dalmatia County, *Croatia*

City of Kastela, *Croatia*

Municipality of Ravenna, *Italy*

The cross-border collaboration is crucial because each partner has its specific, non-overlapping, complementary, and high-level expertise. The harmonization and integration of all the expertise is a key point of the project.



University
of Ferrara



SVEUČILIŠTE U SPLITU
FAKULTET GRAĐEVINARSTVA,
ARHITEKTURE I GEODEZIJE



OGS
National Institute of
Oceanography
and Applied
Geophysics



rerasd
PUBLIC INSTITUTION FOR COORDINATION AND
DEVELOPMENT OF SPLIT-DALMATIA COUNTY



GRAD
KAŠTELA



Comune
di Ravenna

Interreg



Co-funded by
the European Union

Italy – Croatia

STRENGTH



STRENGTH

STRENGTH is funded by **Interreg Italy-Croatia Programme 2021-2027**.

Interreg is a key European Union (EU) instrument that strengthens cooperation between regions and countries within the EU.

As part of the EU's Cohesion Policy, Interreg plays a vital role in promoting regional development, cohesion, and reducing economic disparities. For the 2021-2027 period, Interreg is focused on addressing current challenges like climate change, digital transformation, and social inclusion.

The **Interreg VI Italy-Croatia Programme for 2021-2027** encompasses regions along the Adriatic Sea in both Italy and Croatia. This marks the second programming phase, following the initial cycle from 2014-2020 after Croatia's EU accession.

DISCOVER MORE ABOUT

STRENGTH

www.italy-croatia.eu/web/strength

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University of Ferrara



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STRategies for assessing climate change and natural hazards' impact on urban ecosystems, increasing resilience to **EN**vironmental hazards, and promoting territorial **GrowTH**

STRENGTH

is a cross-border project that seeks to enhance the resilience of the coastal and urban ecosystems towards drought, flash and coastal floods, and earthquakes.

The expected change will be measured in terms of new:

- monitoring strategies;
- early warning systems;
- surveys of the impact of relevant hazards and related technical solutions;
- guidelines to foster public engagement;
- citizen-centered awareness campaigns;

Municipalities and public agencies will exploit these results.



PROJECT SPECIFIC OBJECTIVES

- + increasing resilience to sea-level rise, saltwater intrusion, and flash and coastal flooding, threatening the urban, agricultural, and environmental ecosystems
- + devising a digital strategy for monitoring and detection of structural damage applicable to the automatic recognition of the structural integrity state and also for reliable seismic vulnerability analyses
- + developing a citizen engagement process and implementing trust in institutions, connecting risk authorities with at-risk communities
- + developing a communication framework to support collaborative risk participation between scientists, policymakers, stakeholders, and citizens

 PROJECT DURATION 
START 04/2024 END 09/2026

1.50 MILLION EURO ERDF AMOUNT

1.88 MILLION EURO TOTAL BUDGET

8 PROJECT PARTNERS

2 TEST SITES
FERRARA/RAVENNA - Italy -
KASTELA - Croatia -



PROJECT MAIN OUTPUTS

- cross-border diffusion of smart technologies for monitoring structures and infrastructures through digital and geophysical technologies
- the design of strategies to be undertaken by public stakeholders to foster resilient urban ecosystems through assessment of the impact of natural and climate change hazards on the coastal zones of Ferrara, Ravenna, and Kastela
- the development of a risk communication framework to support collaborative participation between scientists, policymakers, stakeholders, and citizens.

6 TARGET GROUPS



 The **STRENGTH** project aims to address **two key challenges:**
improving knowledge and coordination in climate change impact monitoring, and enhancing effectiveness in civil protection processes through enhanced cooperation