

multi-RisksciEnceforresilienTcommUnitiesundeRachangiNgclimate

CodiceprogettoMUR:PE00000005 **CUPLEAD PARTNER**



Deliverable title: Integrate hydro-morphological stressors from nation-wide monitoring systems and integration with remote and inland sensors for both real-time warning and resilience measures design

Deliverable ID: 1.4.2

Due date: 30/11/2023

Submission date: 29/11/2023

AUTHORS

Sandro De Muro (UNICA), Daniele Trogu (UNICA), Francesco De Leo (UNIGE), Giovanni Besio (UNIGE),

1. Technical references

Project Acronym	RETURN
Project Title	multi-Risk sciEnce for resilienTcommUnitiesundeR a changiNg climate
Project Coordinator	Domenico Calcaterra UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II domcalca@unina.it
Project Duration	December 2022 – November 2025 (36 months)
Deliverable No.	1.4.2
Disseminationlevel*	PU
Work Package	WP1.4 - Coastal flooding and beach erosion under environmental and climatic changes
Task	T4.1–Monitoring and data
Lead beneficiary	UNICA
Contributingbeneficiary/ies	UNIGE

* PU = Public

PP = Restricted to other programme participants (including the Commission Services)

RE = Restricted to a group specified by the consortium (including the Commission Services)

CO = Confidential, only for members of the consortium (including the Commission Services)

Document history

Version	Date	Lead contributor	Description
0.1	28/11/2023	Sandro De Muro (UNICA)	First draft
0.2	29/11/2023	Daniele Trogu (UNICA)	Critical review and proofreading
0.3	29/11/2023	Giovanni Besio (UNIGE)	Edits for approval
1.0	29/11/2023	Francesco Ballio (POLIMI)	Final version

2. ABSTRACT

The present deliverable summarizes the availability of MeteOcean data along the Italian coast for the analysis of hydro-morphological stressors employed in the hazard and risk evaluation for coastal flooding and coastal erosion analysis for both real-time warning and resilience measures design. Existing data are cited and some possible implementation for additional coastal monitoring activities to be carried out during the timeframe of the project are presented.