

AdriaClim

Climate change information, monitoring and management tools for adaptation strategies in Adriatic coastal areas



adapt to climate change!

European Regional Development Fund

Project ID: 110252001 **AdriaClim**

"Climate change information, monitoring and management tools for adaptation strategies in Adriatic coastal areas"

Interreg AdriaClim project: improve knowledge, capacity and cooperation on climate change observing and modelling systems

SciNMeet Launch Meeting 12-13 July 2022 | CNR, Rome

Roberta Guerra, UNIBO-CIRSA



WP3 - Climate change monitoring (observing and modelling) systems

Main Aim

Increase the capacity related to high resolution, more accurate and reliable climate information (observations and integrated modelling) with the innovative focus on the coastal and marine areas and related economic sectors.

Expected Outputs

Enhanced collaboration among Croatian and Italian partners for improving and setting up cross-border methodologies/protocols on coastal/marine monitoring with a focus on harmonizing and improving accessibility of observing and modeling tools and products

•Contribution to further develop the Adriatic Sea regional integrated Monitoring Systems focus on hydro-meteomarine climatological dimension.

•Implementation of integrated modelling systems

•Preparation of climate change risks and vulnerability maps that will be developed for each targeted pilot case studies



AdriaClim Partners



European Regional Development Fund

Partner n.	Name	Country
Lead Partner	ARPAE	IT
PP1	CNR ISMAR	IT
PP2	ARPA Veneto	IT
PP3	Zadra Nova	HR
PP4	Dubrovnik Neretva County	HR
PP5	Ruder Boskovic Institute	HR
PP6	RERA SD for Coordination and Development of Split-dalmatia County	HR
PP7	Institute of Oceanography and Fisheries	HR
PP8	Regione Puglia	IT
PP9	Fondazione CMCC	IT
PP10	UniBo	IT
PP11	ARPA FVG	IT
PP12	ISPRA	IT
PP13	Regione Marche	IT
PP14	Azienda ULSS N.3 Serenissima	IT
PP15	Regione Molise	IT
PP16	Regione Emilia Romagna	IT
PP17	Comune di Venezia	IT
PP18 Associated	Region of Istria	HR

AdriaClim Pilot Areas



Pilot Area n.	Name	Partners	
P1	Grado and Marano Lagoon and Gulf of Trieste	PP1PP10PP11	
P2	Venice lagoon / City of Venice / Veneto coastal area	PP1PP2PP12	• PP14 • PP17
Р3	Emilia-Romagna area	LPPP1PP9	PP10PP12PP16
P4	Apulia region	PP8PP9	
Р5	Dubrovnik Neretva area	PP1PP4PP7	• PP9
P6	Split – Dalmatia area	PP1PP5PP6	• PP7 • PP9
P7	Northern-Eastern Adriatic Sea	• PP5	
P8	Marche area	• PP13	
P9	Molise area	• PP15	







AdriaClim Observing Systems





AdriaClim Observing Systems





AdriaClim Observing Systems

AdriaClim Isoscapes- ERM Pilot Area





Marine plankton (-20.7±0.2‰)



Marine phytobenthos (-21.83±1.59‰)

Po prodelta POM (-29.48±0.63‰)



AdriaClim regional to sub-regional scale and climate Downscaling







9





Future Scenarios: Climate Change Indicators





AdriaClim

Project coordinator: Andrea Valentini (ARPAE)

Prof. Nadia Pinardi - AdriaClim UNIBO-CIRSA coordinator

Prof. Roberta Guerra - PI Act 3.1 Design and implementation of the observing systems

Dr. Lorenzo Mentaschi: Development of ensemble predictions for the Mediterranean Sea; Dr. Leonardo Aragao: Validation of the coupled atmosphere-ocean model for the Adriatic area Dr. Veronica Santinelli: Biogeochemical monitoring in coastal areas of the North Adriatic Dr. Jacopo Alessandri: Coupled modelling in the Emilia-Romagna pilot area

Via Sant'Alberto 163, Ravenna 48123

🔿 roberta.guerra@unibo.it



+39 0544937305 (direct line)



https://www.italy-croatia.eu/web/adriaclim

AdriaClim

Interreg Italy - Croatia

> Climate change information, monitoring and management tools for adaptation strategies in Adriatic coastal areas



European Regional Development Fund

