



Consorzio per il coordinamento delle ricerche inerenti al sistema lagunare di Venezia

Consortium for coordination of research activities concerning the Venice lagoon system

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CORILA is a non-profit association between the Ca' Foscari University of Venice, the IUAV University of Venice, the University of Padua, the National Research Council and the National Institute of Oceanography and Experimental Geophysics. It is supervised by the Ministry of University and Research, who is part of the Venice Safeguard Committee, led by the Prime Minister and composed of Ministers and local authorities.

CORILA promotes and coordinates research on the Venice lagoon, also internationally; facilitates interaction with the scientific community; studies the physical system, the environmental, architectural and landscape, economic and social aspects of the lagoon and of the settlements, strongly interconnected components of a complex system; processes and manages this information in an integrated framework; carries out interdisciplinary scientific research projects relevant to the problems of the lagoon and organizes a wide dissemination of research and its results. The operational structure is composed of researchers who carry out scientific coordination, interdisciplinary integration activities and management functions.

CORILA participates in several projects and the activities funded by the European Union, often offering Venice and its lagoon as a "study site".

Indeed, Venice can be considered a large laboratory for conducting interdisciplinary research on the adaptation and mitigation of climate changes.



Venezia2021

At this crucial moment for the choices on the fate of Venice and its lagoon, scientific research can provide the essential elements to lead decision-makers to "knowledge-based" choices. With the conclusion of the construction of the MOSE, a great experiment begins, never conducted elsewhere on this scale, relating to the management of a large "regulated" lagoon.

Following some research programs carried out in the past years, CORILA started in 2018 the Venezia2021 four-year research program, which intends to accompany the first operational phase of the tide regulation barriers, assessing their environmental impacts. The research program intend to support the development of a strategic, accurate and shared vision, with respect to the challenges facing the safeguard of the city and the lagoon, in consideration of climate change scenarios. Venezia2021 is funded by the Interregional Provveditorato for Veneto, Trentino Alto Adige, Friuli Venezia Giulia - Ministry of Infrastructure and Transport.

Monitoring of the construction of the MOSE

CORILA carried out, on behalf of the former Magistrato alle Acque (now Interregional Provveditorato per OO.PP. Veneto- Trentino Alto Adige-Friuli Venezia Giulia), an extensive monitoring program of the effects of construction sites of the MOSE on the environment and the economy of sectors that could potentially be impacted by the execution of the works. The monitoring activities made possible to address corrections to construction site activities and also to accumulate useful information for the subsequent management phase of the barriers' system.

European projects in progress

MSPGREEN (*Maritime Spatial Planning as enabler of the European Green Deal*), funded by the European Maritime Fisheries and Aquaculture Fund, aims to align Maritime Space Plans (MSPs) with the ambitions of the European Green Agenda.

REGINA-MSP (*Regions to boost National Maritime Spatial Planning*), funded by the European Maritime Fisheries and Aquaculture Fund, aims at improving the participation of Regions, local authorities and stakeholders in the development and implementation of National maritime spatial planning.

REMAP-MSP (*Reviewing and Evaluating the Monitoring and Assessment of Maritime Spatial Planning*), funded by the European Maritime Fisheries and Aquaculture Fund, aims at providing EU Member States with ReMAP innovative technical framework for the support of the European MSP process.

HATCH (*Hadriaticum DATA HUB. Data management, protocols harmonization, preparations of guidelines: cross-border tools for maritime spatial planning decision-makers*), funded by Interreg Italia-Croatia, responds to a "cluster call" whose goal is to maximize the experiences and results achieved by projects Interreg IT-HR Standard.

POSEIDONE (*Promotion of greensea infrastructure devoted to a New Environment*), funded by Interreg VI-A Italy-Slovenia, aims at implementation of joint actions to mitigate climate change effects in natural and protected areas.

CASCADE (*CoAStal and marine waters integrated monitoring systems for ecosystems protection And management*), funded by Interreg Italia-Croatia, develop a series of concerted and coordinated monitoring and management actions, to improve knowledge of inland, coastal and marine ecosystems in Italy and Croatia.

DANUBIUS-IP (*DANUBIUS Implementation Phase Project - DANUBIUS-IP*), funded by European Research Executive Agency to support the ongoing development of DANUBIUS-RI – an environmental research infrastructure linking rivers and seas – as it proceeds towards its Operational Phase.

LIFE ForestAll (*Restoration of Alluvial Forests and Cladium mariscus habitats in Ramsar and Natura 2000 sites*), funded by the EU LIFE Program, provides for the recovery and conservation of priority habitats of limestone swamps and alluvial forests in the Venice lagoon.

FRAMESPORT (*Framework initiative fostering the sustainable development of Adriatic-Ionian small ports*), Interreg Italy – Croatia, aims at supporting a homogeneous and integrated improvement of the Adriatic small ports by enhancing their sustainability, competitiveness and attractiveness and delivering a strategic framework for their development in the long run.

REST-COAST (*Large scale RESToration of COASTal ecosystems through rivers to sea connectivity*), a Green Deal project of the EU Horizon 2020, aims at enabling and upscaling coastal restoration involving vulnerable coastal ecosystems, to provide a low-carbon adaptation, to reduce risks and provide gains in biodiversity, while introducing coastal ecosystem services into national and international policies.

European projects concluded

MEDCIS (*Support Mediterranean Member States towards Coherent and coordinated Implementation of the second phase of the MSFD*), DG Environment, 2014-2016; **SIMWESTMED** (*Supporting Implementation of Maritime Spatial Planning in the Western Mediterranean Sea*), DG MARE, 2017-2018; **SUPREME** (*Supporting maritime spatial Planning in the Eastern Mediterranean*), DG MARE, 2017-2018; **ResCult** (*Increasing Resilience of Cultural heritage: a supporting decision tool for the safeguarding of cultural assets*), DG Echo, 2017-2018; **ACTIONMED** (*Action Plans for Integrated Regional Monitoring Programmes in Mediterranean SEA*), DG Environment, 2015-2016; **ADRIPLAN** (*ADRIatic Ionian maritime spatial PLANning*), DG MARE, 2013-2015; **Kulturisk** (*Knowledge-based approach to develop a CULTure of Risk prevention*), European Community Seventh Framework Programme EC FP7, 2013-2015; **GIS4EU** (*Provision of interoperable datasets to open GI to EU communities*), EC eContentplus Programme eContent 2007, 2010; **subCULTron** (*Submarine Cultures Perform long-term Robotic Exploration of Unconventional environmental niches*), Horizon 2020-FET, 2017-2019; **MEDREGION** (*Support Mediterranean Member States towards the implementation of the Marine Strategy Framework Directive*), EC - DG Environment 2018-2021; **PORTODIMARE** (*geoPortal of Tools & Data for sustainable Management of coAStal and maRine Environment*), Interreg ADRIION, 2018-2020; **ADRI-LINK** (*Adriatic Landscape Interpretation Network*), Interreg ADRIION, 2020-2022; **DANUBIUS-PP**, Horizon2020-INFRA DEV 2, 2019-2022; **GREENHULL** (*Green technologies for ecological cleaning of biological incrustation on hulls in the Upper Adriatic*) Interreg IT-SL, 2014-2020; **MSPMED** (*Towards the operational implementation of MSP in our common Mediterranean Sea*) DG MARE, 2020-2022; **SASPAS** (*Safe Anchoring and Seagrass Protection in the Adriatic Sea*), Interreg Italy - Croatia, 2020-2022.