



# 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, whose Minister 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 and management functions.

CORILA also participates in projects and activities financed by the European Union, often offering Venice and its lagoon as a "study site", and is in close contact with several United Nations offices (UNESCO, UNDRR, UNEP, etc.).

Venice can be considered a great laboratory for conducting interdisciplinary research on climate change.



Venezia2021

At this crucial moment for the choices on the fate of Venice and its lagoon, scientific research is called to 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 testing phase of the tide regulation barriers, assessing their environmental, social and economic impacts. The research program intended to support the development, in a short time, 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 financed 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 has carried out on behalf of the former Magistrato alle Acque (now Interregional Provveditorato OO.PP.), an extensive monitoring program of the effects of construction sites of the MOSE on environmental matrices and economy of sectors they could potentially be impacted by the execution of the works. The monitoring activities made it possible to address some opportune corrections to construction site activities and to accumulate useful information also in the subsequent management phase of the barriers' system.

## European projects in progress in 2020

**ADRI-LINK** (*Adriatic Landscape Interpretation Network*) Interreg ADRION. It has as objective the implementation of new digital technologies for an innovative system of tourist information services functional to promoting the territory in an integrated and sustainable way.

**GREENHULL**, project funded by the Interreg IT-SL program, has the objective of improving environmental protection by developing innovative green technologies and solutions for the cross-border management of water and hazardous waste.

**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.

**MEDREGION** (*Support Mediterranean Member States towards the implementation of the Marine Strategy Framework Directive*), funded by the European Commission - DG Environment, with the aim of providing support for the implementation of the Framework Directive on the Strategy for the Marine Environment.

**MSPMED** (*Towards the operational implementation of MSP in our common Mediterranean Sea*) DG MARE-funded project aims to implement the MSP directive in the Mediterranean sea.

**PORTODIMARE** (*geoPortal of Tools & Data for sustainable Management of coAstal and maRine Environment*), Interreg ADRION, aims to create a common platform for access to information, data and useful tools for the management of marine and coastal areas of the Adriatic-Ionian Region.

**SASPAS** (*Safe Anchoring and Seagrass Protection in the Adriatic Sea*), Interreg Italy - Croatia. It is aimed at the protection and recovery of *Posidonia oceanica* meadows on the seabed of the Adriatic Sea.

## Main European projects concluded (2010-2019)

**DANUBIUS-PP** (*Preparatory Phase for the pan-European Reserch Infrastructure DANUBIUS-RI "The International Centre for advanced studies on river-sea system"*), Horizon2020-INFRA DEV 2, 2017-2019; **subCULTron** (*Submarine Cultures Perform long-term Robotic Exploration of Unconventional environmental niches*), Horizon 2020-FET, 2017-2019; **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; **MEDCIS** (*Support Mediterranean Member States towards Coherent and coordinated Implementation of the second phase of the MSFD*), DG Environment, 2014-2016; **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.

