

CHANGE WE CARE

Climate challenges on coastal and transitional changing areas: Weaving a Cross-Adriatic Response



PROJECT OVERVIEW

The project intends to explore climate risks faced by coastal and transition areas contributing to a better understanding of the impact of climate variability and change on water regimes, salt intrusion, tourism, biodiversity and agro-ecosystems affecting the cooperation area. The main aim is to define a paradigm for transferring successful methods of analysis, development and implementation of adaptation measures from five pilot sites to other systems facing similar problems at the cross-border scale and to deliver integrated, ecosystem-based and shared planning options, coupled with adaptation measures to decision makers and coastal communities.

PARTNERSHIP



PILOT SITE OVERVIEW

NAME	VRANSKO LAKE
Country	Croatia
Responsible Partner	Public Institution Vransko Lake Nature Park (VRANPARK)
Reference Map	 
General description	It is the largest Croatian lake, created by flooding the field of karst groundwater and its ground is under the sea level. The lake is an extremely important biodiversity conservation sites as in its brackish water live many marine and freshwater species.

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ERDF: € 2,295,663.00

TOTAL BUDGET: € 2,700,780.00



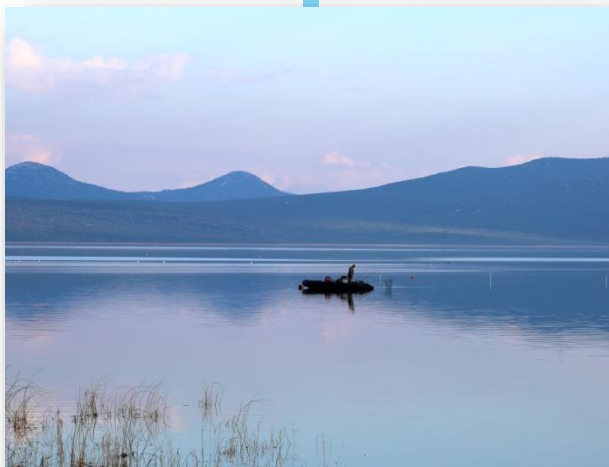
GEOMORPHOLOGICAL AND ECOLOGICAL FEATURES

Vransko lake is a shallow karst lake, separated from the sea by a merely 1 km wide limestone ridge and its area occupy a cryptodepression i.e. its bottom is at 3.5 m b.s.l. Its water levels vary in the range of 0.02 – 2.25 m a.s.l. and the its volumes from 50.3 to 120.3 mil. m³ (average 75 mil m³). The lake constitutes a complex hydrological system in dynamic balance with the sea and it is a wetland area supporting habitat types that are rare in the Mediterranean and recognized as Natura 2000 habitats.



MAIN PROBLEMS TO BE TACKLED & OBJECTIVES TO ACHIEVE

The area is suffering a number of issues related, at least partially, to climate change such as long-term drought periods, intrusion of the sea water with biodiversity loss, eutrophication processes during drought periods, planned golf courses in the catchment area and plans for further water uptake for irrigation in the catchment. For these reason there is an urgent need to activate measures for sea level rise adaption, for reducing irrigation in the catchment area and for stopping water uptake and illegal landfills.



ACTIVITIES TO CARRY OUT & STAKEHOLDER TO BE INVOLVED

The Project intends to activate a participatory decision process aimed at developing an adaptation/management Plan, which will be addressed to the preservation of the environmental waterflow and promoting a sustainable agriculture land use. These activities will be carried out in collaboration with Zadar county, Croatian water management company, Ministry of environment and energetics - water department and nature protection department, Agriculture land companies and private landowners and Municipality Pakoštane.

