

ASTERIS

Adaptation to Saltwater
 InTrusion in sEa level
 Rise Scenarios



PROJECT DURATION
 01/2019 - 12/2020



ERDF
 872.307,57



TOTAL BUDGET
 1.026.244,20

Adriatic coastal regions, sensitive to the effects of climate change such as the expected sea level rise and alterations in yearly precipitation rates, are also experiencing a significant increase of water consumption in peak periods of the year. Therefore, improved protection of freshwater aquifers to saline intrusion through a sustainable management of water resources is imperative in the years to come, and ASTERIS aims to create a common adaptation plan that will generate applicable adaptation and protection measures for our regions.

Common challenges

- expected climate change impacts on sea level rise and precipitation rates
- water supply essential for sustainability of coastal societies and ecosystems
- increased consumption for human activities, including agriculture, increasing the risk of seawater intrusion towards freshwater aquifers

Common approach

- modelling present and future salt ingression in Adriatic coastal aquifers
- identifying needs and barriers in coastal aquifer management – creating a map of vulnerability to coastal salinisation
- planning the adaptation - defining action measures, guidelines and practical tools for a sustainable management of water resources

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PROJECT PARTNERS



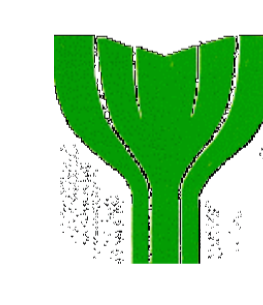
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COMUNE
 DI FANO



USTANOVA
 CENTAR ZA ISTRAŽIVANJE MATERIJALA
 ISTARSKE ŽUPANIJE



INSTITUT ZA JADRANSKE KULTURE
 I MELIORACIJU KRŠA SPLIT



HRVATSKE VODE