

# ASTERIS

## Adaptation to Saltwater InTrusion in sEa level Rlse 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

### CONTACT

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### PROJECT PARTNERS



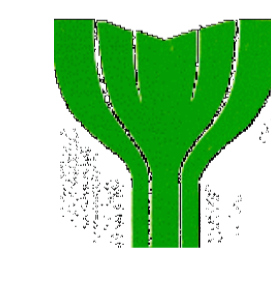
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CENTAR ZA ISTRAŽIVANJE MATERIJALA  
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