

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

DESCRIPTION

Adriatic coastal regions, sensitive to the effects of climate change and experiencing a significant increase of water consumption in peak periods of the year, need improved protection of freshwater aquifers to saline intrusion through a sustainable management of water resources. ASTERIS aims to create a common adaptation plan that will generate applicable adaptation and protection measures.



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

PROJECT PARTNERS



Università degli studi di Urbino „Carlo Bo“
Simone Galeotti simone.galeotti@uniurb.it



Consiglio Nazionale delle Ricerche
Barbara Nisi b.nisi@igg.cnr.it



Comune di Fano
Renzo Brunori renzo.brunori@comune.fano.pu.it



Comune di Ravenna
Stefania Gambi stefaniagambi@comune.ravenna.it



**Ustanova Centar za istraživanje materijala
Istarske županije METRIS**
Tea Gobo tea.gobo@centarmetris.hr



Institut za jadranske kulture i melioraciju krša
Branimir Urlić branimir.urlic@krs.hr



Hrvatske vode
Mirjana Švonja mirjana.svonja@voda.hr