

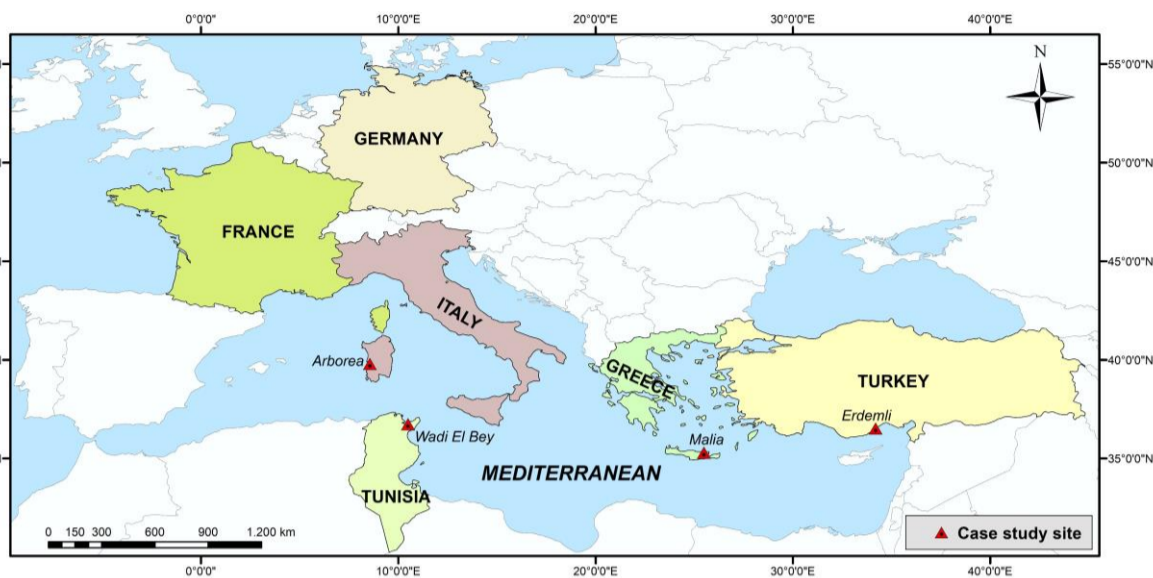


# Sustainable coastal groundwater management and pollution reduction through innovative governance in a changing climate

[www.sustain-coast.tuc.gr](http://www.sustain-coast.tuc.gr)

**Sustain-COAST**

REDUCE · RECYCLE · REUSE · RECOVER



**6 countries :** France – Germany – Italy – Tunisia - Greece - Turkey



**4 case studies :** Arborea (Italy) - Wadi El Bey (Tunisia) - Malia (Greece)- Erdemli (Turkey)

## In Brief

Sustain-COAST intends to develop a calibrated multi-criteria Decision Support System (DSS) and a web Geographical Information System platform accessible for water stakeholders and policy makers.

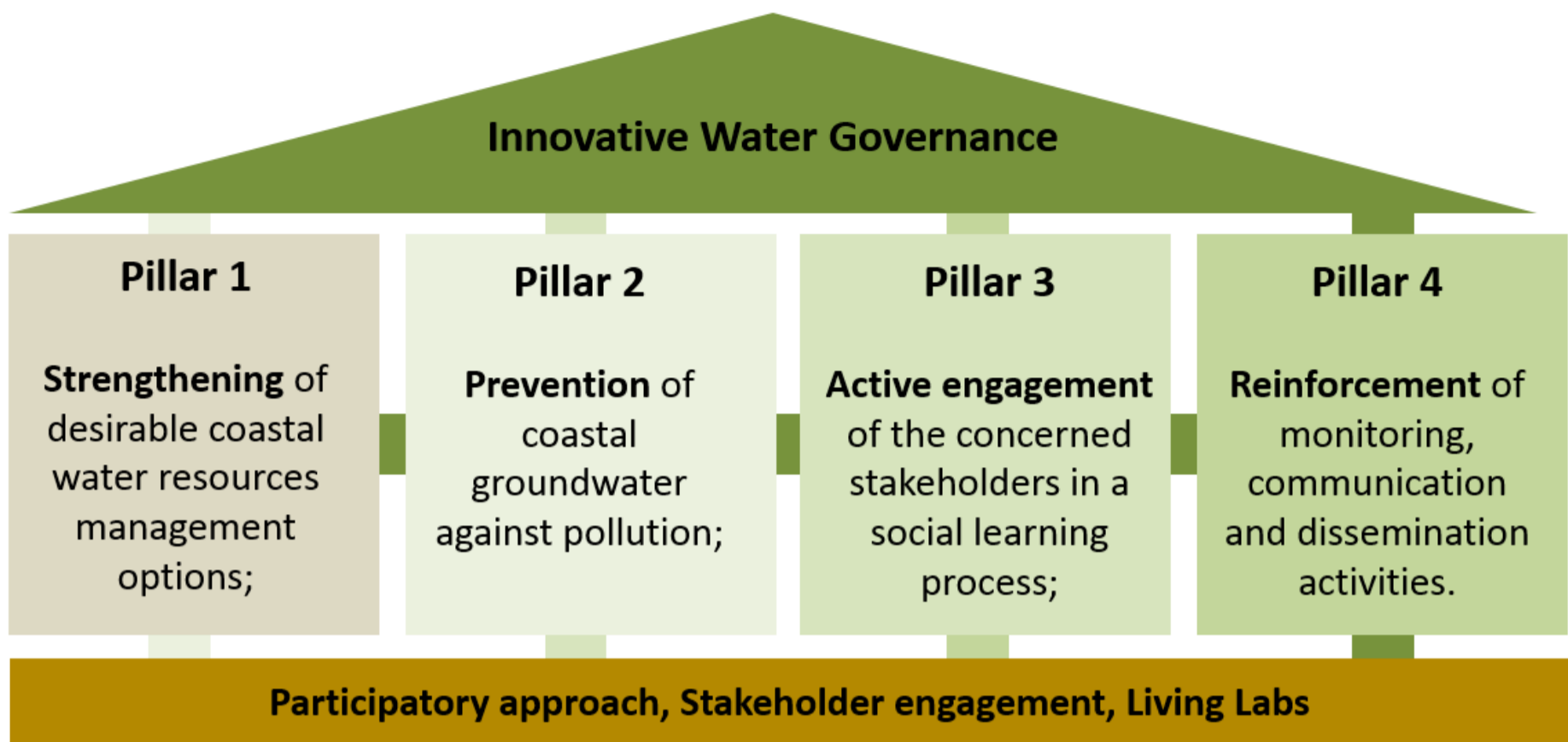
The DSS and platform, combined with a specific animation activity will allow:

- The engagement of social actors in a learning process around water issues at catchment scale based on visualization of interactive thematic maps
- The use of advanced technologies and tools, such as optical sensors and remote sensing capacities for a participatory monitoring of water
- The use of calibrated numerical models for the time-space simulation of water quantity and quality progress.

## General Objectives

- Design and test innovative governance approaches to MED coastal water resources
- Improve water resources management
- Mitigate water resources pollution
- Application of good governance principles: equity, legitimacy, efficiency, transparency & accountability
- Decentralization, civil society engagement in decision-making processes, engagement of private sector in solid public-private partnerships

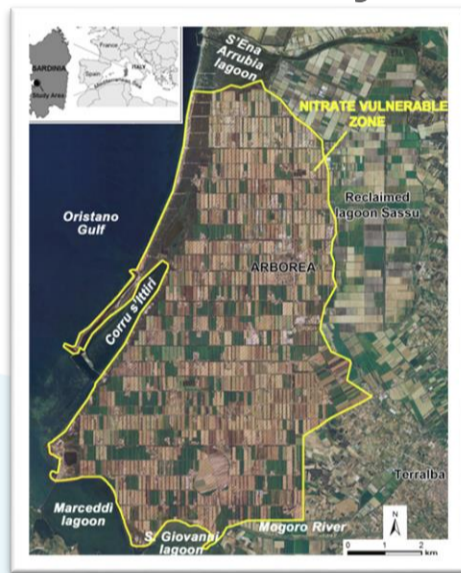
# Sustain-COAST Pillars



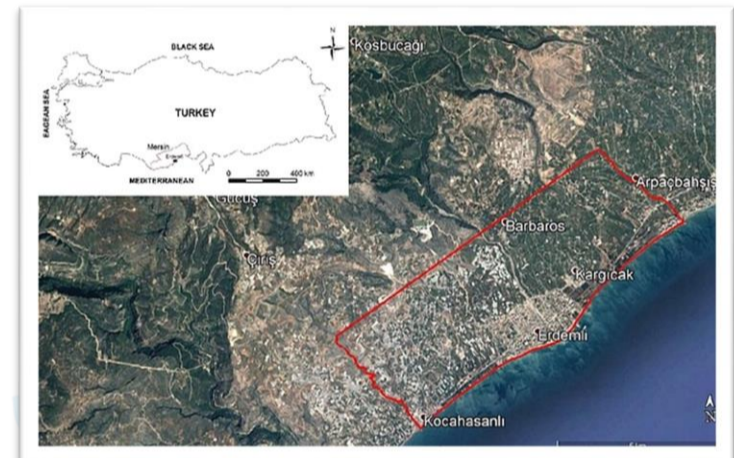
## Living Labs

Eutrophication of Ramsar wetlands used for aquaculture and dairy farmers activities

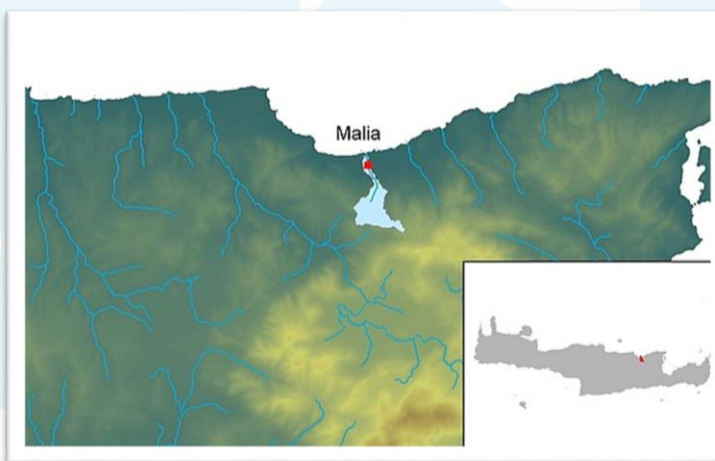
### Arborea, Italy



### Erdemli, Turkey

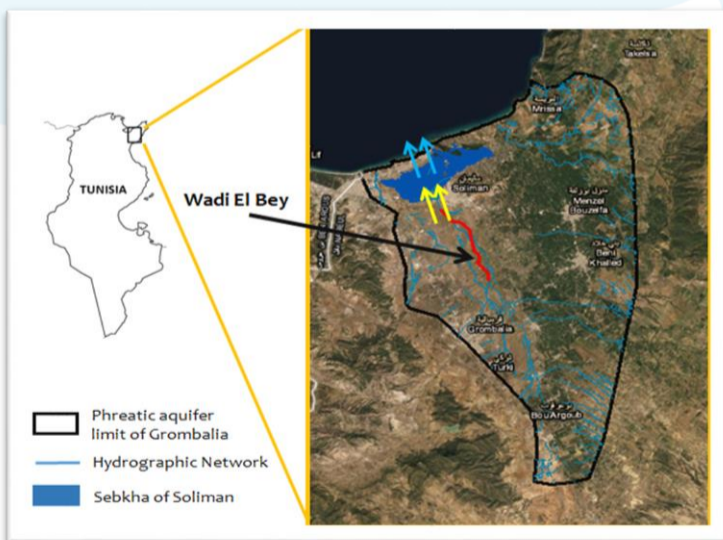


### Malia, Greece



Decrease in water quantity and quality due to intensive agricultural & untreated wastewater discharges

### Wadi El Bey, Tunisia



Depletion of water quality due to extensive saltwater intrusion of the aquifer

High level pollution due to urban & industrial wastewater discharge