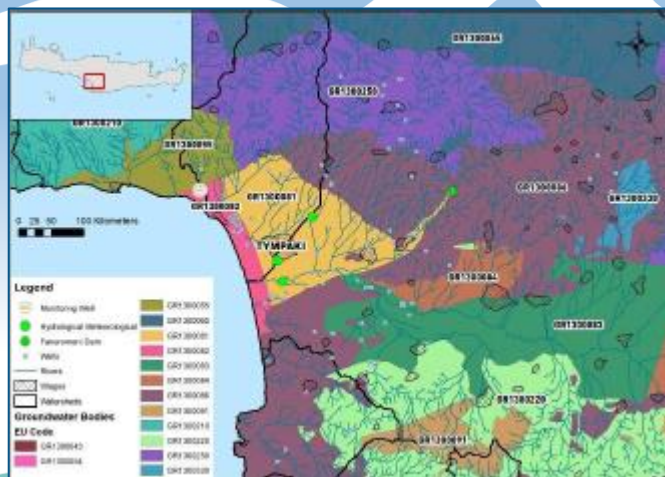


# Case Study - Tympaki, Greece

InTheMED aims to implement innovative and sustainable management tools and remediation strategies for MED aquifers (inland and coastal) in order to mitigate anthropogenic and climate-change threats by creating long-lasting spaces of social learning among different interdependent stakeholders, NGOs, and scientific researchers in five field case studies, located at the two shores of the MED basin (Spain, Greece, Portugal, Tunisia, and Turkey).

## Characteristics

- Size (km<sup>2</sup>):** 55
- Population:** 25,000
- Basin:** Tympaki
- Location:** Coastal
- Mean Precipitation (mm/y):** 500
- Mean Temperature (°C):** 15
- Groundwater users:** Agriculture
- Overexploited:** Yes
- Groundwater pollution:** Nitrate, salinity



## Strengths

- Water collection and allocation infrastructures (reservoir-networks)
- Good quality of wastewater for reuse
- Cost recovery derived from the water use, higher than 80%
- Adequate statistics to monitor the parameters involved in the water threats
- Involvement of associations and Local, Regional and National Governments in the conservation and good management of water resources

## Opportunities

- Increase water quality and quantity monitoring networks
- Increase data availability
- General public awareness for the water sustainability problematic

## Weaknesses

- Strong rainfall seasonality can lead either to supply complications or flood risk
- Significant increase in built-up areas
- Low percentage of wastewater reuse
- Loss of aquatic biodiversity due to the presence of biocides, herbicides and pesticides used in agricultural activities
- High consumption of water for irrigation
- High degree of erosion in the study area
- Poor groundwater and soil quality
- Poor groundwater monitoring

## Threats

- Increased water demand due to climate change effects
- Lack of investment in infrastructure
- Elimination of aid from the Common Agricultural Policy (CAP) in Europe

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