

5 Case Studies in the NATMed PRIMA Project



Welcome to the NATMed Project

Where science, communities, and nature work together to solve water challenges.

Case Studies Map



Carrión de los Céspedes, Spain CS1

Challenge: Water pollution & scarcity;
Solution: 10 constructed wetlands, floating gardens, ultrasound algae and bacteria control;
Impact: Olive groves irrigated with reclaimed water, a meteorological station that tracks the local climate.

Lake Chimaditida, Greece CS2

Challenge: Reed overgrowth and biodiversity loss;
Solution: Reintroduction of buffaloes with GPS tracking;
Impact: Restored habitats, carbon capture, living laboratory for resilience.



Arborea, Italy CS3

Challenge: Nitrate pollution in groundwater;
Solution: Forested Infiltration Area (FIA) & Passive Treatment System (PTS);
Impact: >80% nitrate removal, research on phosphate and nitrates trapping, biodiversity gains.



Bozcaada Island, Turkey CS4

Challenge: Water scarcity due to tourism, agriculture & climate change;
Solution: 24 wells with real-time monitoring, smart irrigation, wastewater reuse;
Impact: Efficient farming, terracing, local training for sustainability.



Oued Righ channel, Algeria CS5

Challenge: Uncontrolled urban wastewater pollution canals;
Solution: Constructed wetland with 5 treatment basins;
Impact: Clean water reuse for agriculture, restored ecosystems, community ownership.

From Spain to Algeria, Greece to Turkey, and Italy, NATMed proves that nature is our best engineer.

By combining tradition, innovation, and community, we are building resilient Mediterranean ecosystems and securing water for future generations.



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