

Nature-based Solutions on existing infrastuctures for resilient Water Management in the Mediterranean

Bozcaada Island, Turkey CS4

One of the 5 Case Studies in the NATMed PRIMA **Project**









Welcome to Bozcaada

A unique island in Turkey, rich in beauty, but vulnerable to water stress.







The Problem

The island faces increasing pressure on its water resources due to tourism, agriculture, and climate change.



Groundwater Monitoring Solution

Using 24 monitoring wells and CTD-Divers, NATMed tracks groundwater every minute, capturing changes in water levels and quality over time.





24 monitoring wells | Real-time data every minute

- Informs current reed bed management;
- Supports long-term water planning;
- Helps the ecosystem adapt to future climate pressures.





Advanced Lab Analysis

Seasonal water samples are analyzed at IzTech.



Nature-based Solutions on the Ground

NATMed uses Nature-based Solutions (NbS) like conservation farming, wastewater, and smart irrigation to protect water and boost resilience.









Community Involvement

With field training and briefings, local farmers are learning how to replicate and benefit from NATMed practices.



