

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

Carrión de los Céspedes, Spain CS1

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









Welcome to Carrión de los Céspedes

Located in southern Spain, this site plays a key role in demonstrating how Nature-based Solutions (NbS) can transform water reuse practices and improve resilience in Mediterranean reuse agriculture.



Constructed Wetlands

integrates ten constructed wetlands as part of an upgrade to the water treatment facility.



Floating Gardens tested

Plants grow on the water's surface:

- Reduce evaporation;
- Boost biodiversity;
- Improve water quality.







Ultrasound Technology

Placed in the storage lagoon and tanks:

- Control algae and bacteria;
- Adjustable frequencies;
- Supports nature-based treatment;



Safe, sustainable water management.







Reuse in agriculture

- Treated water is used to irrigate nearby olive groves;
- Provision of nutrients to the soil;
 - Water stays in the ground longer.



Monitoring & Filtration

- A meteorological station tracks the local climate;
 - A filtration system for water reclamation:
- Both help support smarter and more sustainable water



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