

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

Oued Righ channel, Algeria CS5

One of the 5 Case Studies in the NATMed PRIMA Project



Welcome to the Oued Righ Channel, Algeria

The canal carries water and waste, creating risks for both people and the environment.



The challenge

Uncontrolled urban wastewater pollution canals, harming water, soil, health, and ecosystems in one of North Africa's driest areas.



Nature-Based Solution: Constructed Wetland

To address this, NATMed built a five-basin wetland that naturally treats wastewater, mitigates pollution, and enables reuse.



Implementation Progress

The system includes impermeable liners, tanks, and specialized substrates to promote biological treatment of the incoming water.



Community Engagement

Community involvement is key, with events and workshops building strong local ownership.



Wiber Activities

NATMed also shares knowledge through technical days on water reuse and international events, ensuring that lessons from Oued Righ can inspire other regions facing water stress.



Impact

The constructed wetland is poised to deliver real change, reducing pollution and reviving local ecosystems.



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