



**RESOURCE**

# Assessment of the water-food-energy-ecosystems nexus in the North Western Sahara Aquifer System

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## **Description / Abstract**

The report 'Reconciling resource uses: Assessment of the water-food-energy-ecosystems nexus in the North Western Sahara Aquifer System', underlines the urgency of taking action across borders and sectors to address the threats leading to the degradation of the aquifer system. Worldwide, transboundary groundwater resources are commonly not covered by formal cooperation arrangements, yet they constitute important sources of water for drinking and other uses, are susceptible to pollution, complex to investigate and commonly inadequately understood. The NWSAS is a rare example of a cooperation arrangement and data exchange on a transboundary aquifer.

Focusing on the interlinkages between energy, water, land and ecosystem resources, the new transboundary "nexus" assessment analyses cross-sectoral dynamics and identifies integrated solutions to render resource management more sustainable and efficient. The assessment was carried out under the Water Convention by UNECE, Global Water Partnership Mediterranean and the Sahara and Sahel Observatory, with the support of the Swedish International Development Cooperation Agency.

## **Publication year**

2020

## **Country**

[Algeria](#) [Libya](#) [Tunisia](#)

## **Region**

[Africa](#)

## **Publisher**

[Global Water Partnership Mediterranean - GWP MED](#) [Sahara and Sahel Observatory](#) [United Nations Economic Commission for Europe - UNECE](#)

## **Keywords**

[Transboundary](#)

## **Thematic Tagging**

[Ecosystems/Nature-based solutions](#)

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[View resource](#)

### Related IWRM Tools



Tool

### **Nexus Framework**

C1.09

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