

**Mapping
water resources...**



#ATOMS4CLIMATE

**...using
South-South cooperation**



Did you know that more than 41 African aquifers are shared by two or more countries?

African scientists are working together through South-South cooperation to find quality groundwater sources in the Sahel – thanks to a nuclear technique – isotope hydrology – and a decade of IAEA support.

IAEA-trained experts from the 13 Sahel countries are now leading studies into shared groundwater resources, bolstering transboundary water management. Water resources in Africa are under increasing pressure, and groundwater can play a key role in meeting needs.

Isotope hydrology is used to determine the age of groundwater, as well as its vulnerability and sustainability, helping to map groundwater resources.

MAPPING WATER RESOURCES USING SOUTH-SOUTH COOPERATION



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