Economic and Social Commission for Western Asia

The Arab Groundwater Knowledge Platform

Improved Groundwater Management in the Arab Region through Enhanced Data and Information Access and Innovative technologies
Cairo, 30-31 October 2023

UNITED NATIONS
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ESCWA

Shared Prosperity Dignified Life

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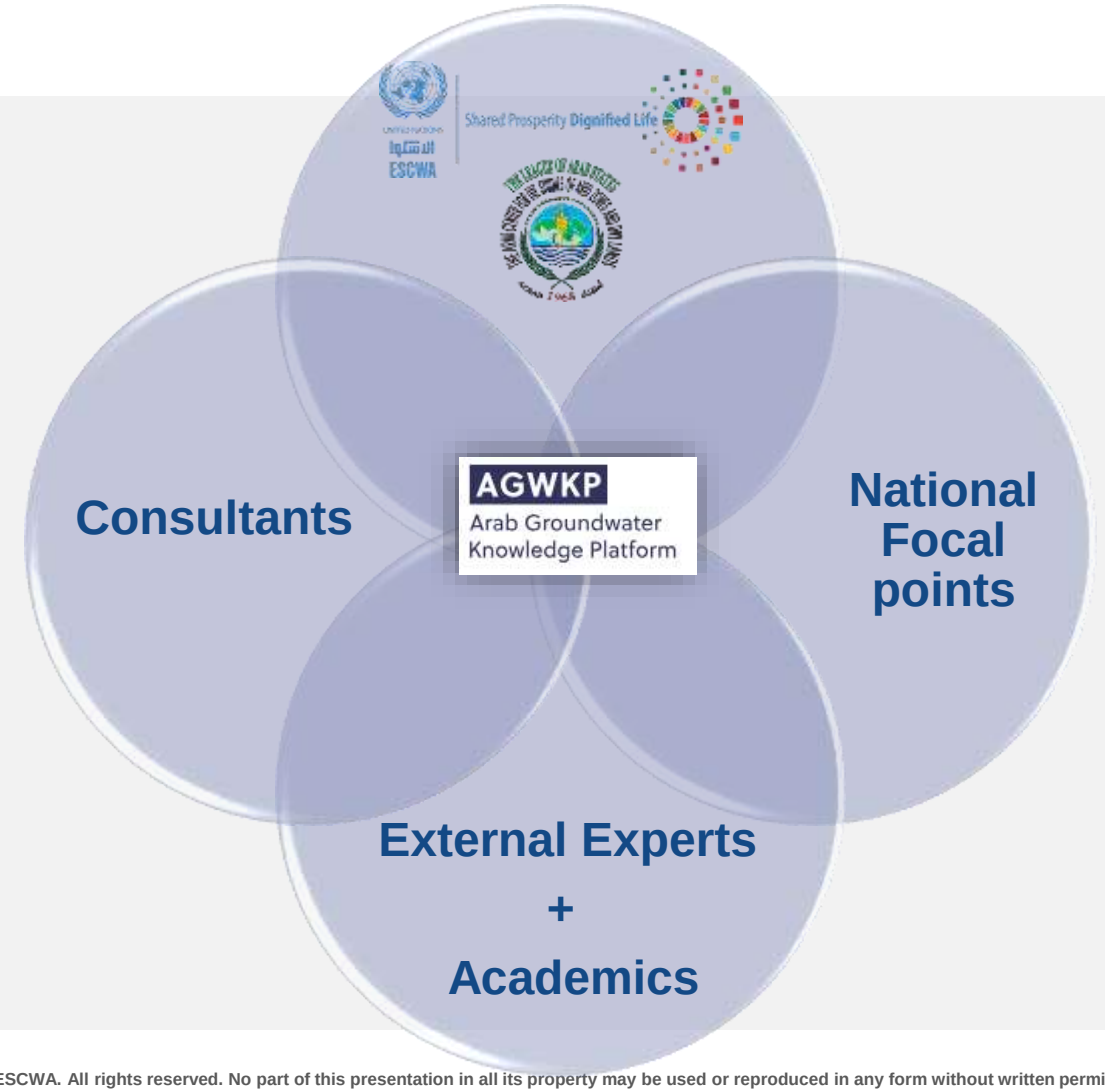
AGWKP Objectives

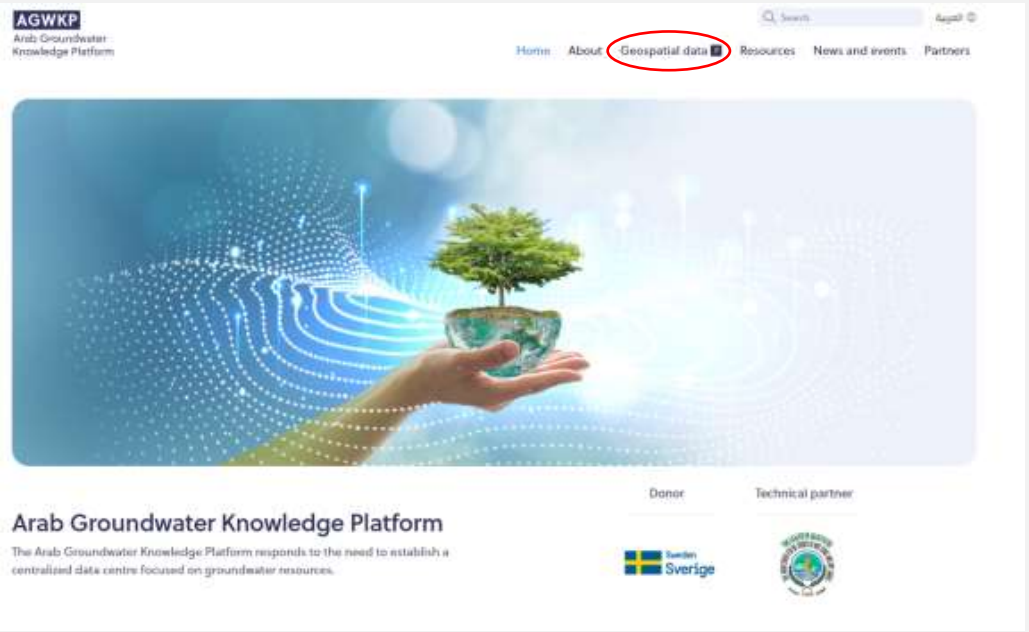
- Centralized data focused on groundwater resources.
- Improved water security.
- Highly interactive and user-friendly platform system.

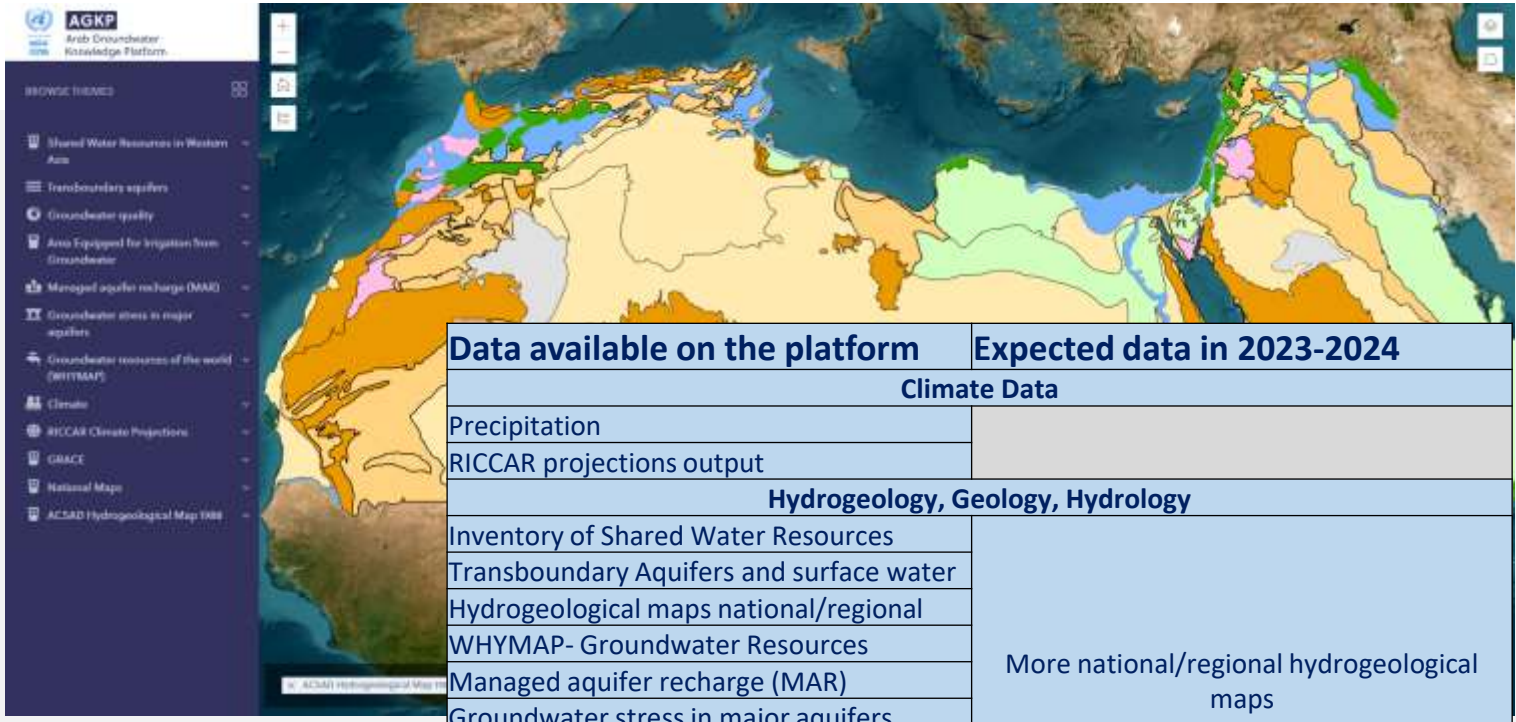
Multidimensional solutions

AGWKP Development & Management



Access to the AGWKP





https://agwkp.unescwa.org/

Data available on the platform	Expected data in 2023-2024
Climate Data	
Precipitation	
RICCAR projections output	
Hydrogeology, Geology, Hydrology	
Inventory of Shared Water Resources	More national/regional hydrogeological maps
Transboundary Aquifers and surface water	
Hydrogeological maps national/regional	
WHYMAP- Groundwater Resources	
Managed aquifer recharge (MAR)	
Groundwater stress in major aquifers	
Saline and brackish Groundwater occurrence	
Fluoride probability of occurrence	
GRACE storage anomaly	
Biophysical data	
Areas equipped for irrigation with groundwater	NDVI
	Land cover/Land Use
Socio-economic data	
	Population & Urban Agglomeration

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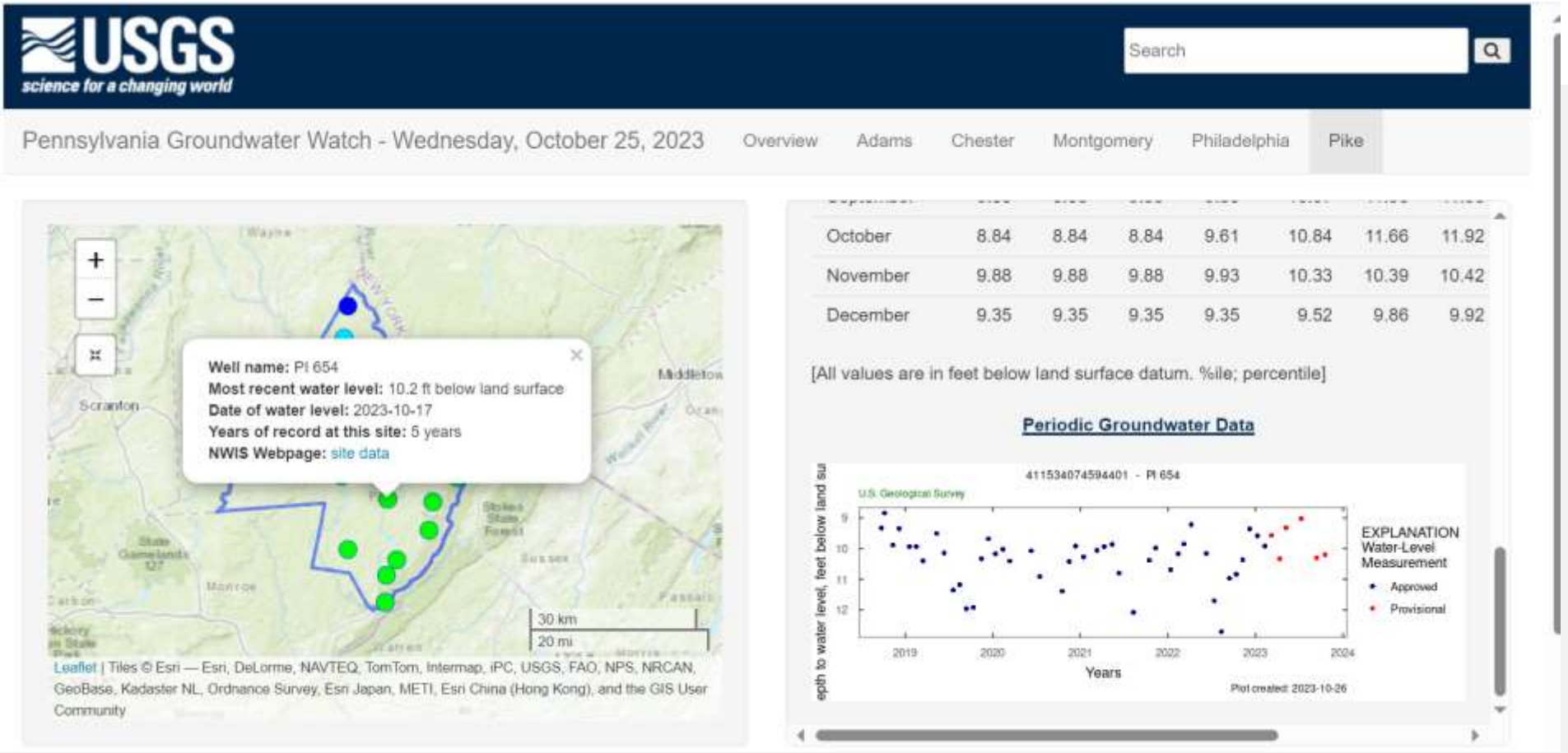
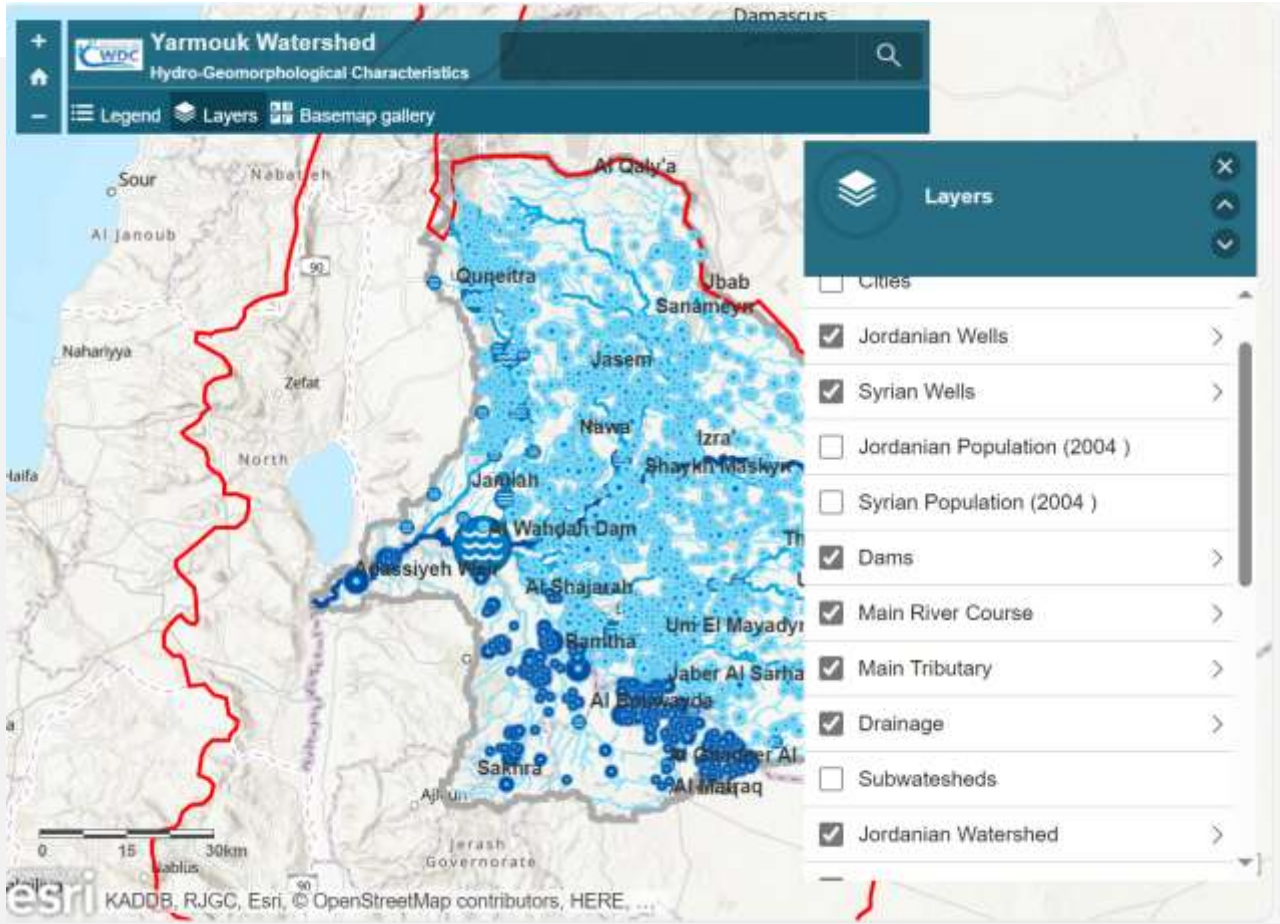
Potential Areas of Enhancement

High-resolution, Large-Scale Results



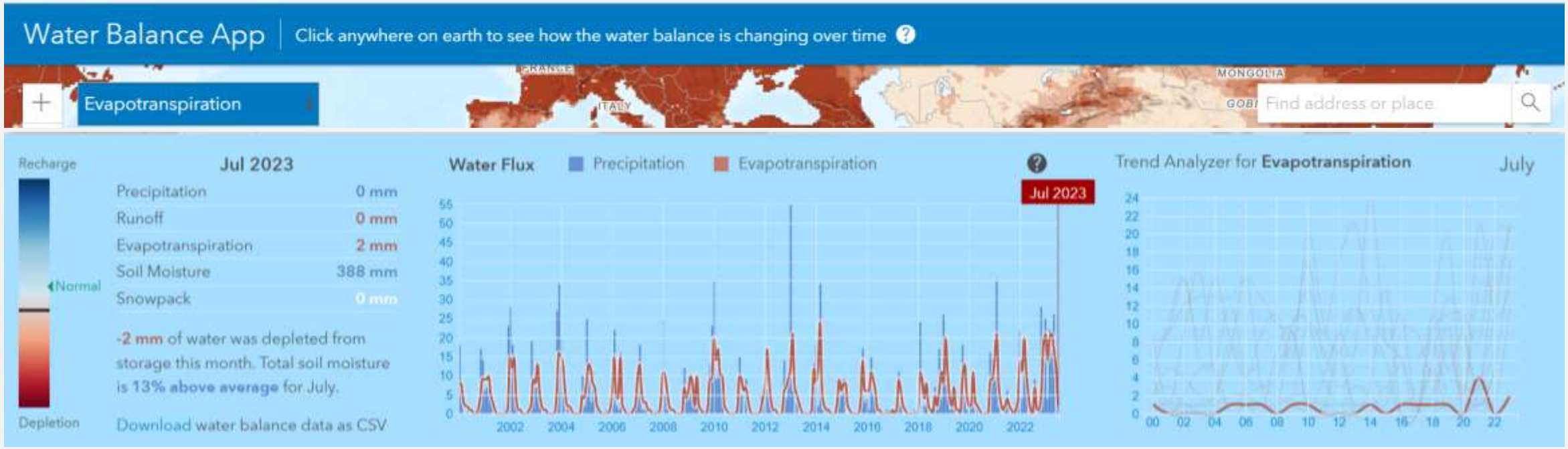
https://rconnect.usgs.gov/PAWSC_groundwater_watch/

Basin Level Data

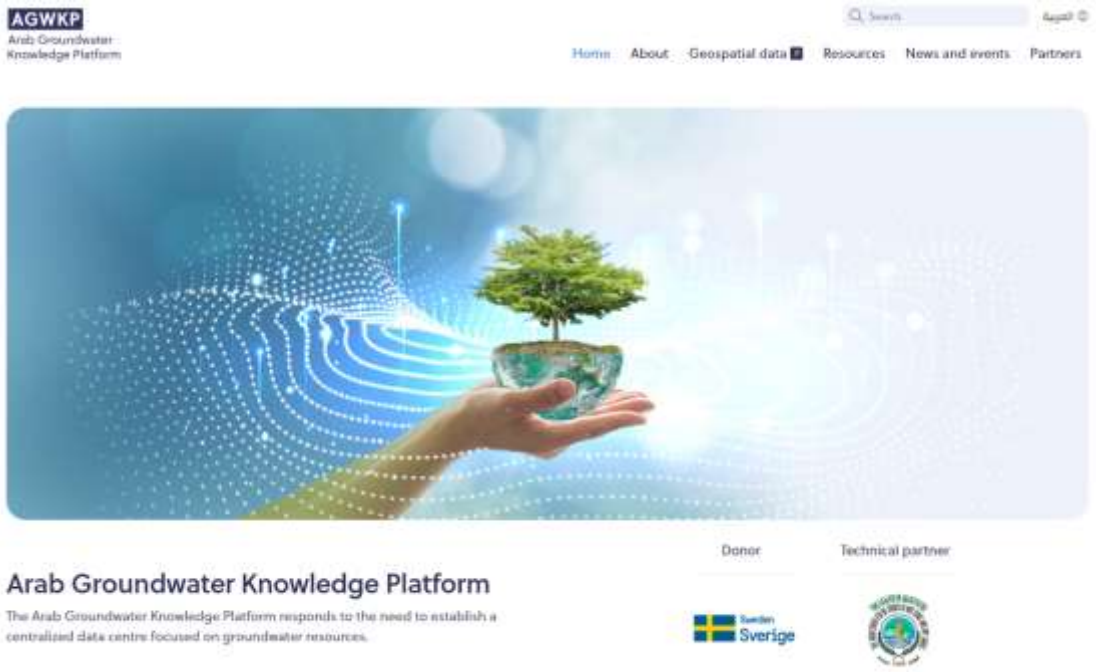


[Yarmouk Watershed (arcgis.com)]

More layers, Greater Details



https://livingatlas.arcgis.com/waterbalance/



Thank You

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