



KIRSTY UPTON, BRITISH GEOLOGICAL SURVEY

Linking the Africa Groundwater Atlas with AMCOW's Knowledge Hub

SIWI WORLD WATER WEEK 2021



AFRICAN MINISTERS COUNCIL ON WATER



British
Geological
Survey



AFRICA GROUNDWATER ATLAS

Making knowledge and
information on African
groundwater more visible
and accessible

What is the Africa Groundwater Atlas?

- **Online, open access, Wikipedia style platform**
- Provides a **consistent overview** of groundwater in each country
- Summarises **existing groundwater information** and provides a **gateway** to more detailed information
- Developed in collaboration with **>50 African hydrogeologists**
- **Wide range of users:** hydrogeologists, practitioners, policy and decision makers, academics
- Linked through **AMCOW Knowledge Hub**



Africa Groundwater Atlas

UP Cro Unlocking the Potential of Groundwater for the Poor

The successful and sustainable development of groundwater resources in Africa is critical for future safe water supplies, economic growth and food security in the continent. Doing this successfully relies on good hydrogeological understanding - but much of the data and information that already exists about groundwater in Africa is not available to the people who could make use of it. We have worked with partners across Africa to make more of this information freely accessible: you can access it online now by following the links below.

Prepared by: British Geological Survey




Africa Groundwater Atlas
A summary of the hydrogeology of 51 African countries



An online introduction to the groundwater resources of 51 African countries, and a gateway to further information. Many of the country profiles have been co-authored by groundwater experts in Africa. Each profile includes new hydrogeological and supporting maps, and references and links to further online and printed information. The Atlas also provides general information on key issues such as recharge, groundwater quality and groundwater development techniques.

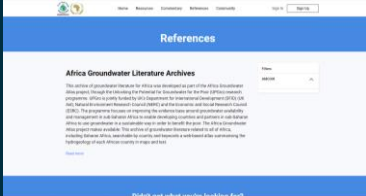
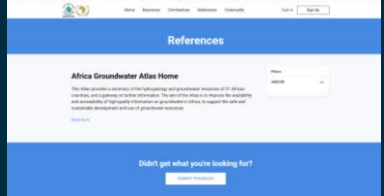
Go to the Africa Groundwater Atlas
Download an offline version of the Africa Groundwater Atlas
Read background information on this project

Africa Groundwater Literature Archive
Free online access to thousands of documents



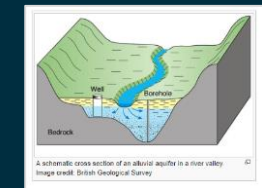
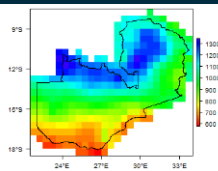
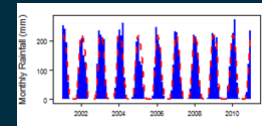
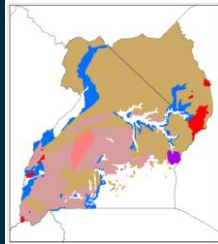
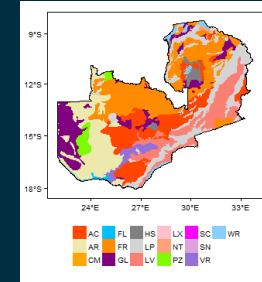
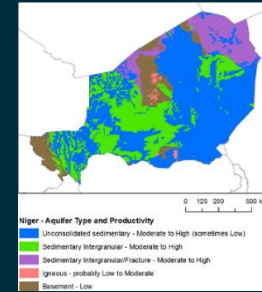
A searchable online database that so far catalogues nearly 7000 references for literature about groundwater in Africa. The Archive can be searched by themed keyword; by title and author; or geographically, either by country; or for more than 1500 georeferenced documents, by searching for their specific location on an interactive map. There are thousands of links to free-to-download full text documents and abstracts.

Go to the Africa Groundwater Literature Archive
Read background information on this project



What's inside the Africa Groundwater Atlas?

- Country pages
 - **Maps:** new downloadable hydrogeology maps for 38 countries (1:5 million scale)
 - **Background info:** summary of climate, soil, land cover, surface water, socio-economics
 - **Geology & hydrogeology:** overview of main geological formations and aquifers
 - **Groundwater:** overview of quality/quantity status, use, management, regulation and key institutions
- Resource Pages & Case Studies
 - **Resource pages:** e.g. manual drilling, siting boreholes
 - **Case Studies:** e.g. community groundwater monitoring in Burkina Faso, reasons for borehole failure in Uganda, acid mine drainage in South Africa



Africa Groundwater Literature Archive

- Comprehensive index of African groundwater literature: **>8000 entries**
- **Full text download** if available or **link to online abstract/entry**
- **Search** by title, author, keyword or map
- Hoping to integrate with **AMCOW Knowledge Hub** soon...

Search the Africa Groundwater Literature Archive

Keyword search

To search for references on a particular topic or combination of topics, use the keyword search option. There is also a free text option to search titles and authors.

Map search

You can also search references that have been georeferenced using an interactive map.

Keyword search form

Use this form to search the archive.

Title	<input type="text"/>	All of these ▾
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Streamflow sensitivity to climate and land cover changes: Meki River, Ethiopia

Legesse, D , Abiye , TA , Vallet-Coulomb , C , Abate , H . 2010. *Streamflow sensitivity to climate and land cover changes: Meki River, Ethiopia*. Hydrology and Earth System Sciences, 14, 2277-2287..

Link to document	Go to link
Country	Ethiopia
Keywords	Climate Change, Land Use Change, Hydrology,
Item type	Publication - Article
Language	English
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