

THE NILE BASIN INFORMATION SERVICES FOR COOPERATIVE WATER RESOURCE PLANNING AND MANAGEMENT

The Nile Basin Initiative (NBI) is a regional intergovernmental partnership established by the Nile Basin countries in 1999. Its primary goal is to manage and develop the shared Nile Basin water resources in a cooperative manner, ensuring equitable utilization of the available water resources. The information services at NBI support the cooperation between the riparian countries.

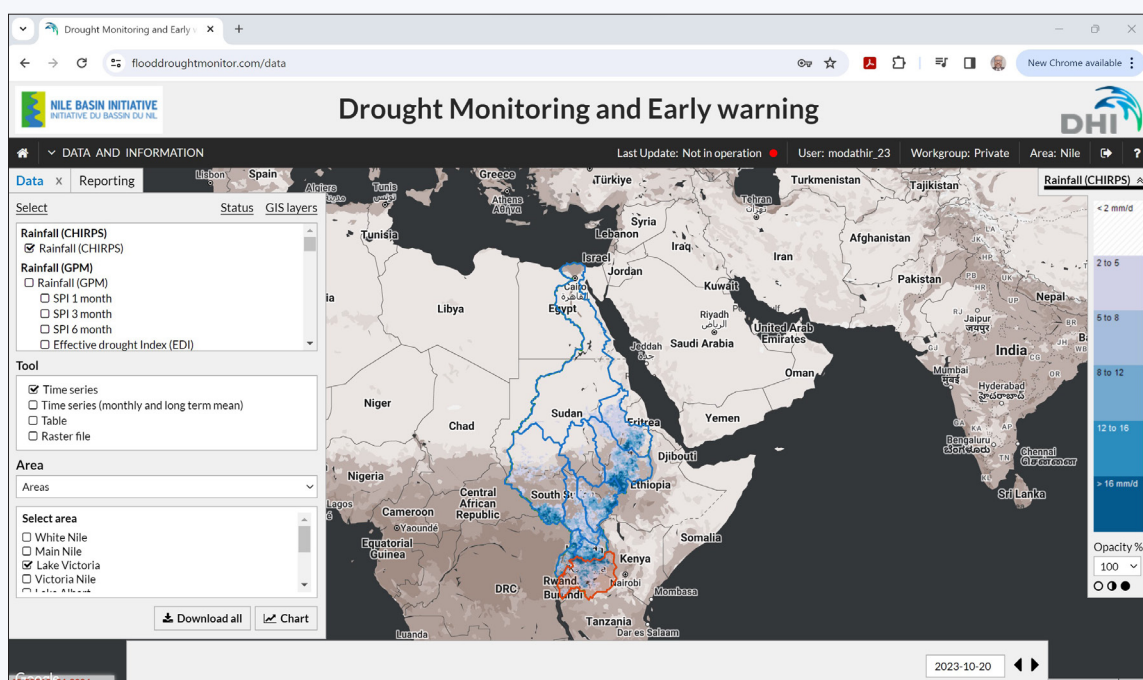
The NBI facilitate the Basin cooperation by promoting it among the Nile Basin countries by using the information services which provide by NBI to achieve water security, energy security, food security, environmental sustainability, climate change adaptation, and

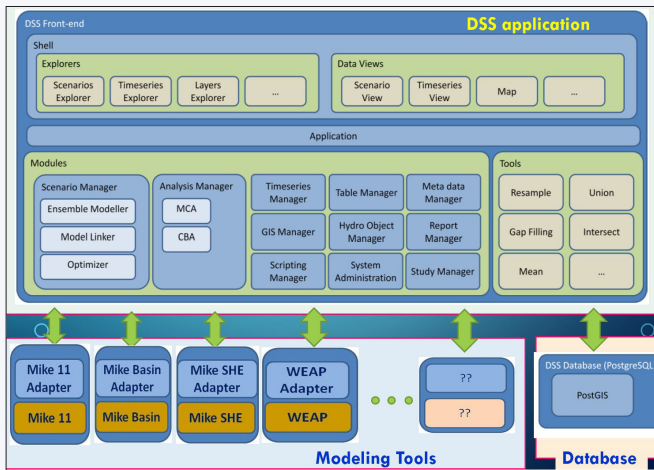
effective transboundary water governance. The Nile Basin Initiative works toward one river, one people, one vision, emphasizing sustainable socio-economic development. The NBI is also a knowledge organization which supports the Nile Basin countries by generating Basin-Wide Science-Based Information. This is an essential safeguard for managing the shared Nile Basin water resources sustainably.

Some key aspects of the NBI's information services to support Member States in:

Knowledge products:

- More than 10000 knowledge products were available through the Integrated Knowledge Portal.





E-learning and capacity building:

- NBI E-learning courses which include climate proofing of infrastructure investment, Nile Basin decision support system, introduction to hydromet, Nile Basin environmental flows, NBI induction course, and introduction to the NBI policy framework on transboundary.

Real time monitoring information:

- Realtime data collection, share, and use through regional hydromet system and EUMETSAT.

Early warning systems:

- Analytical and decision-making tools for water resources planners (e.g. River Flow Forecasting System, Drought monitoring and forecasting, flood forecast and early warning system).

Knowledge and information platforms:

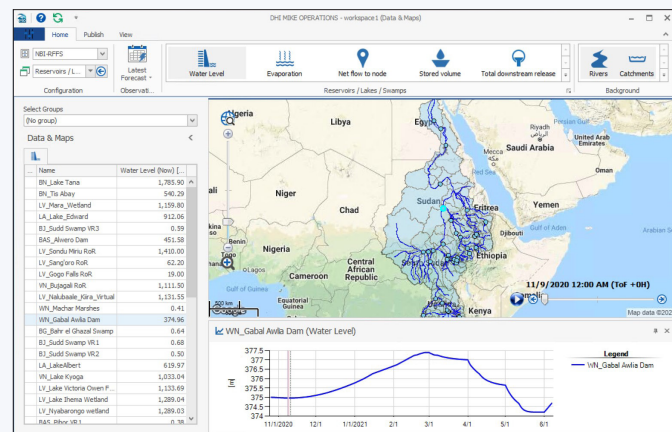
- A shared data, information, and knowledge base through the Integrated Knowledge Portal (IKP).

Sector specific tools:

- Analytical Tools for policy makers in dam cascade operation, strategic water analysis, Climate Information Services which focus on climate-resilient water resources management, and joint management of ecosystems.

Ongoing development of NBI systems:

- Data and Analytic Services which harness the improvements in data collection technology and utilizing freely accessible diverse water related information. This expansion of data and analytic services aims to enhance climate resilience in the Nile Basin.
- Monitoring groundwater, enhancing knowledge, and establishing cross-border mechanisms for joint management and sustainable utilization of shared aquifers.
- Regional water quality information systems which facilitate data sharing, coordination, and informed decision-making across the Nile Basin countries.



Burundi



DR Congo



Egypt



Ethiopia



Kenya



Rwanda



South Sudan



The Sudan



Tanzania



Uganda

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