



The World Water Quality Alliance

18th meeting of the Working Group on Monitoring and Assessment under the
Water Convention

Session 9: Cooperation with partners

18 October 2023

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From UNEA-3 Water Quality Resolution (Res. 3/10)...

At the 3rd UN Environment Assembly (UNEA) in 2017, member states adopted a comprehensive resolution to **address water pollution to protect and restore water-related ecosystems**. Among other things, the resolution calls for better data collection, water monitoring, capacity-building and mandated UNEP to develop a World Water Quality Assessment

→ As a direct response to Resolution 3/10, UNEP convened the **World Water Quality Alliance** as a voluntary and flexible global multi-stakeholders CoP that advocates the central role of freshwater quality in achieving prosperity and sustainability. Supported by Swiss Confederation.





...to the World Water Quality Alliance (WWQA)

- The **World Water Quality Alliance** is focused on assessment, innovation, and demonstrating data uptake and solution co-creation based on cross-societal consensus which involves the five critical social sectors of a community; the public, private, research, cultural and citizen sectors, known collectively as the 'Quintuple Helix'.
- Currently houses **16 workstreams** working on a variety of topics from technical workstreams dealing with triangulation of water quality data, scenario analysis, monitoring plastics in freshwaters, groundwater assessment, citizen science, to social engagement and youth inclusion.
- WWQA is a key UNEP initiative serving the **UN-Water Expert Group** on Water Quality and Wastewater, co-led with WHO, FAO.





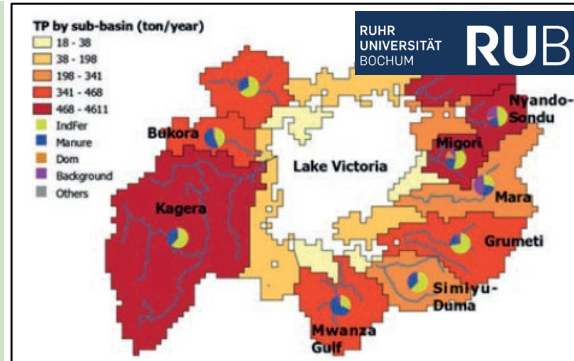
WWQA workstreams

1. **Baseline World Water Quality Assessment**
2. **GlobeWQ STI Platform development**
3. **Africa Use Cases**
4. **Capacity Development Consortium Social Engagement Platform**
5. **Youth Action for World Water Quality**
6. **Citizen data for SDG 6.3.2**
7. **Ecosystems**
8. **Friends of Groundwater**
9. **Global Scenarios Ecosystem Health**
10. **Scenario Analysis for the World Water Quality Assessment**
11. **Plastics**
12. **Earth Observation**
13. **Towards a Pan-African Water Quality Program (PAWaQ)**
14. **IN SITU Global Environment programme**
15. **Global Wastewater Initiative**

See more information on: wwqa.info/workstreams

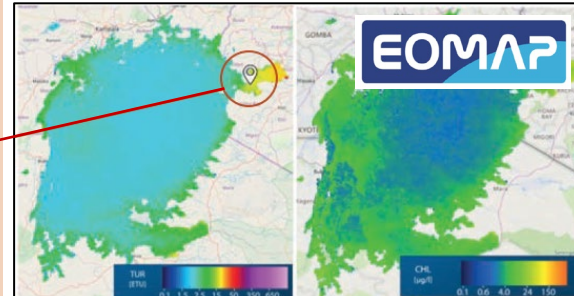
Hotspots based on loadings from modelling:

It's estimated that the sub-basins Kagera, Nzoia, Nyando-Sondu, and Migori, together with the Lakeshore, contribute more than 70 % of the riverine annual Total Phosphorous loadings into the lake.



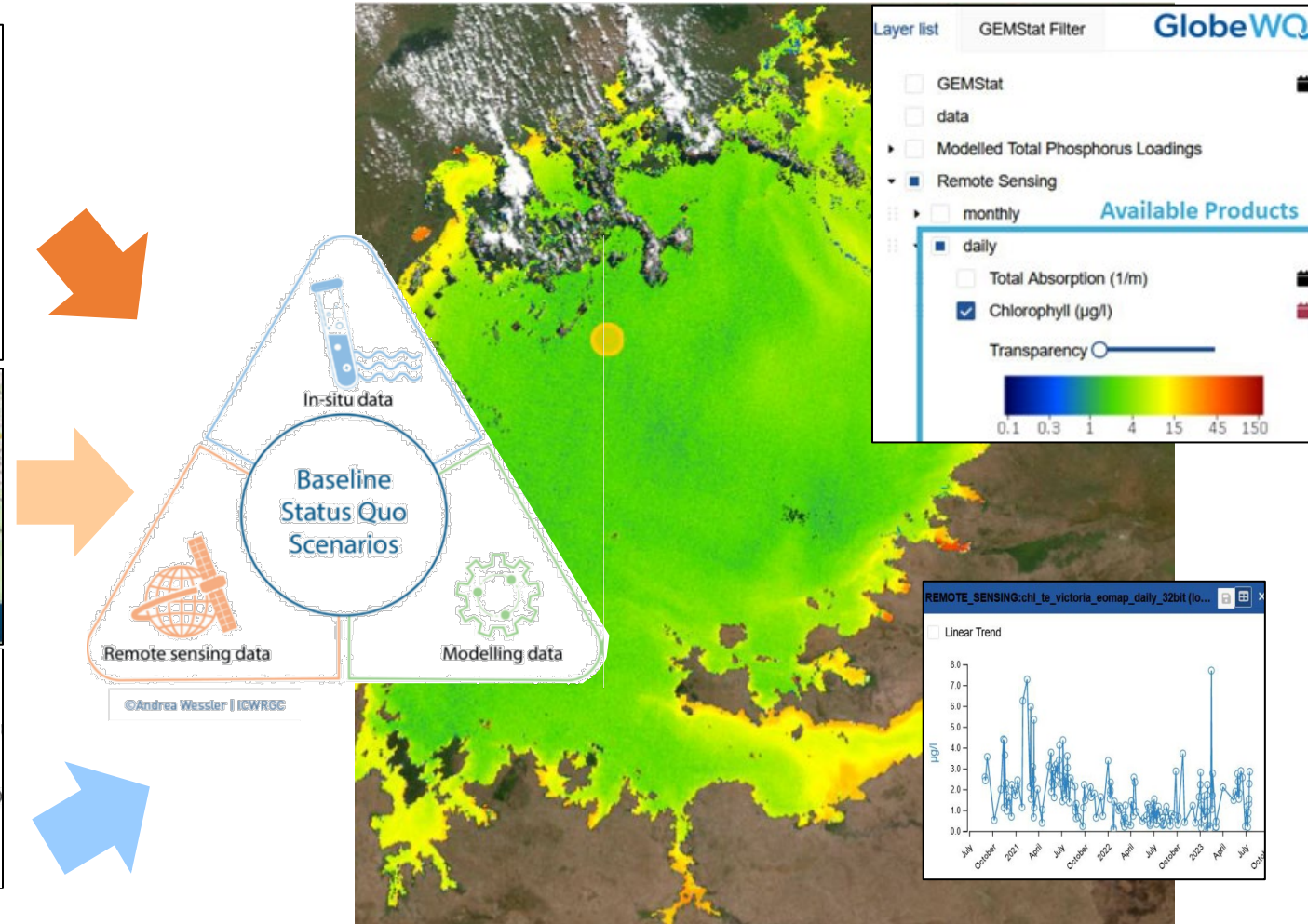
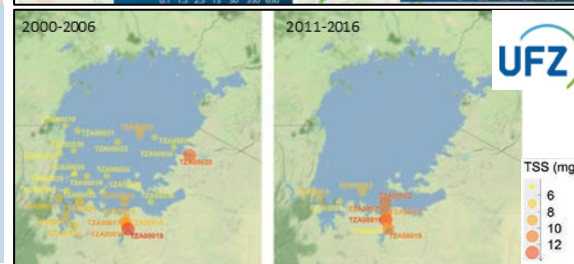
Hotspots based on concentrations from remote sensing:

Areas of increased Turbidity (TUR) and Chlorophyll-a (CHL) concentrations in bays (e.g. Nyanza/Winam Gulf) and along the coastline.

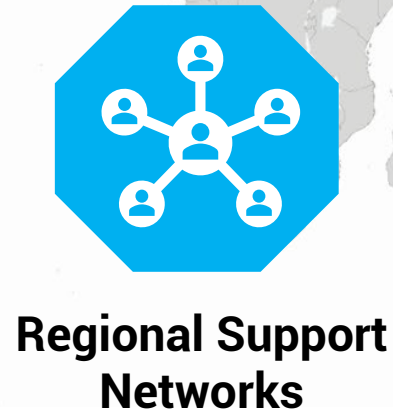
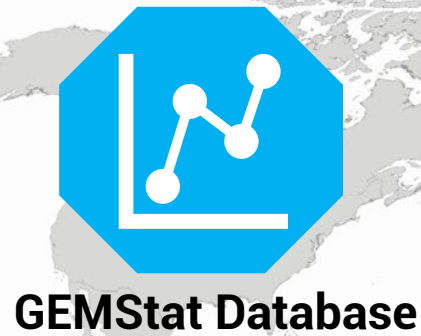


Hotspots based on concentrations from in-situ data:

Gauging stations with e.g. the highest measured Total suspended sediment (TSS) concentration (Mwanza Gulf).



Global Environment Monitoring System for Freshwater (GEMS/Water) Programme

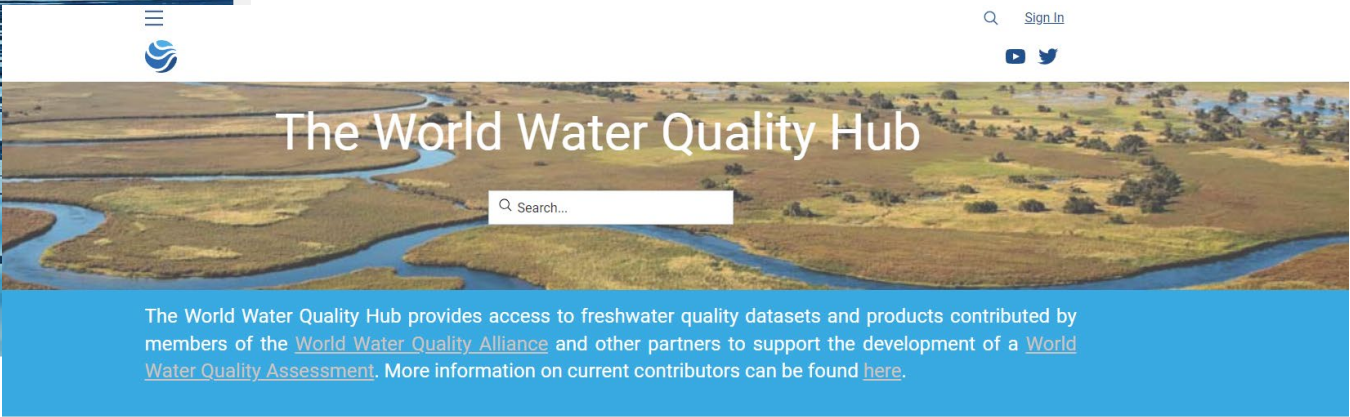
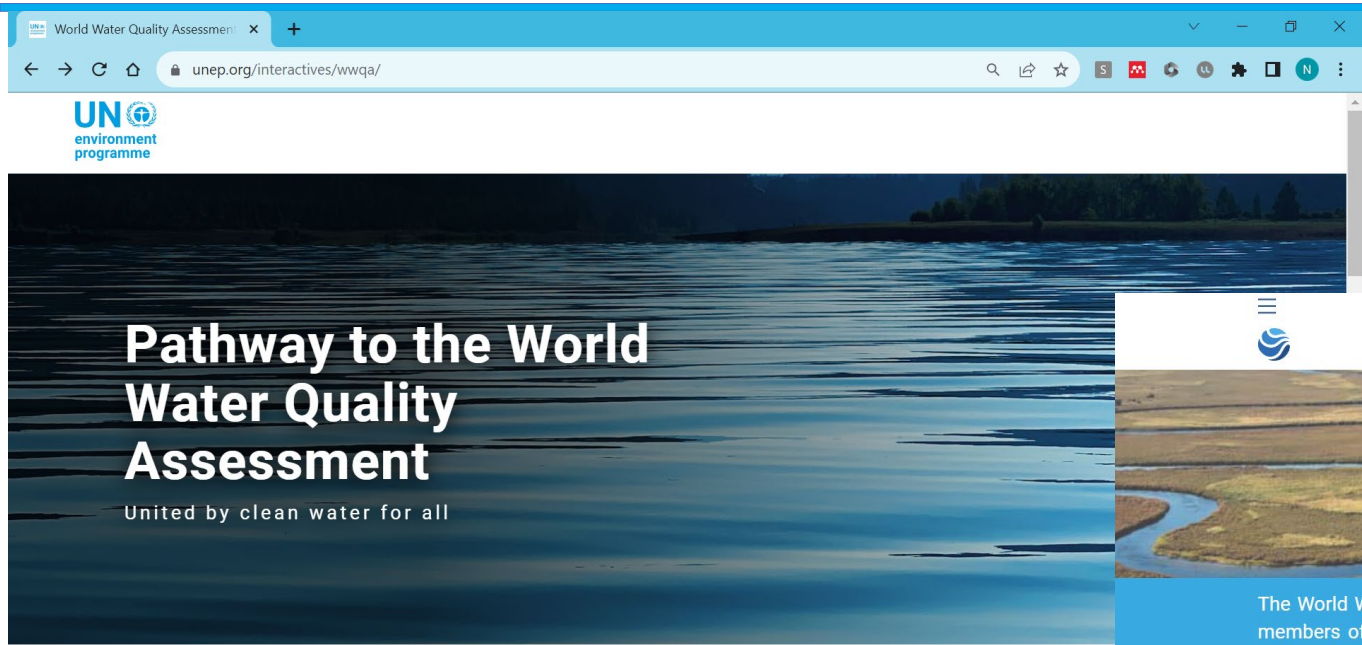


UNEP GEMS/Water:

- provides quality assured data to keep the state of the world's freshwater resources under review,
- develops capacity of member states, and
- provides information and services
- across the science-policy-public interface
- advocating the 2030 Agenda for Sustainable Development.



Pathway to the Assessment and World Water Quality Hub



Water is life. It is that simple.

Water from terrestrial, coastal and marine sources is essential for human health, well-being and livelihoods, ecos

Explore freshwater quality data by topic



Human Health



Ecosystem Health



Food Security



Climate Change



The pathway to the WWQ-Assessment

- Progressive disclosure, builds on baseline report presented in 2021 and input from several workstreams
- Aim: page to become the central repository for publications on water quality with summary for lay people
- People can submit articles with information article
- Final improvements are made and call for submission is in preparation
- Review system is (almost) in place that should ensure quality of the contributions
- Roadmap towards an actual World Water Quality Assessment – first draft
- Learn from existing assessments (IPCC, IPBES, GEO) and ensure diversity of authors



Thank you!



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