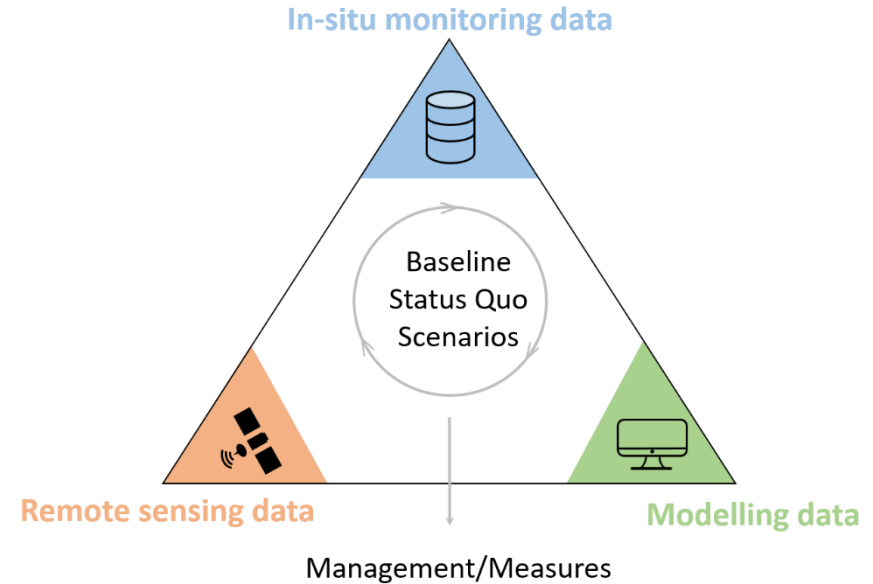


**Workstream: Baseline World Water Quality Assessment, and
GlobeWQ STI Platform development**
GlobeWQ-Global Water Quality and Analysis Platform

Workstream: Baseline World Water Quality Assessment, and GlobeWQ STI Platform development



- Develop, test and apply a water quality information platform
- Synthesis of in-situ measured, modelled and remote sensing based information
- Identify existing and developing threats to water quality
- Enable easy, interactive access to the results of the World Water Quality Assessment



Demand analysis and co-design process, Lake Victoria

Stakeholder: Lake Victoria national fishery organisations (Uganda, Tanzania, Kenia)

Key user needs identified through virtual stakeholder workshops:

- Timely algal bloom information
- Information on nutrient loadings from lake tributaries (hotspot identification)

Solution

- Regularly updated satellite data on chloryphyll, turbidity and temperature
- Catchment-scale water quality model identifies tributaries with high nutrient loads and attributes sources



Demand analysis and co-design process

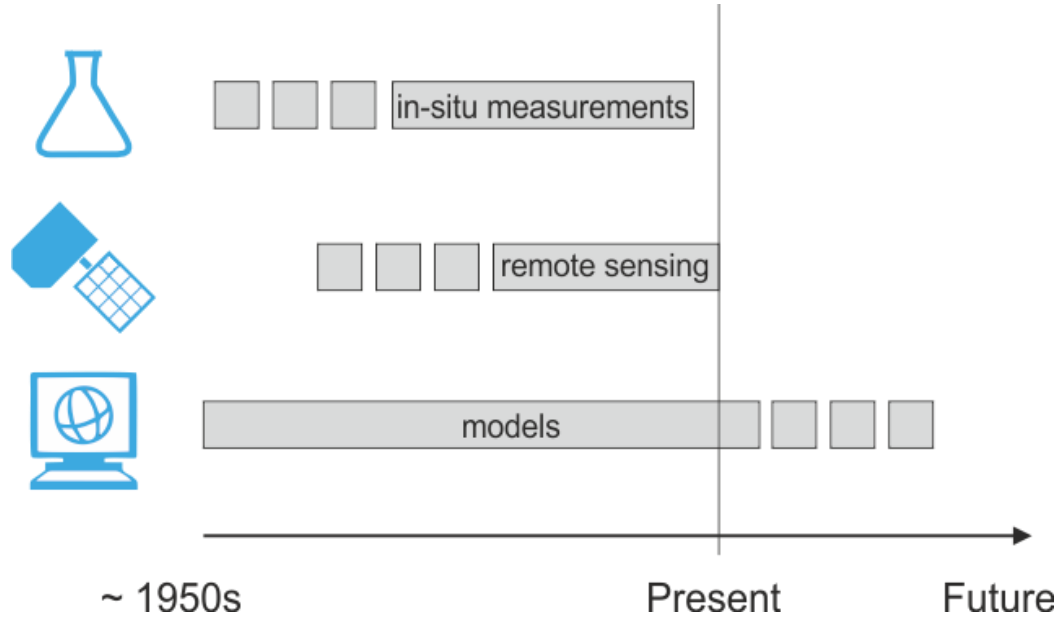
- Continue and intensify the links to the African use cases. Lake Victoria currently the demonstration case of the platform.
- Add use-case in „data-rich“ setting , demonstrate added value of the triangulation approach
- Attract the engagement of additional stakeholders with improved platform functionality

GlobeWQ-Global Water Quality and Analysis Platform

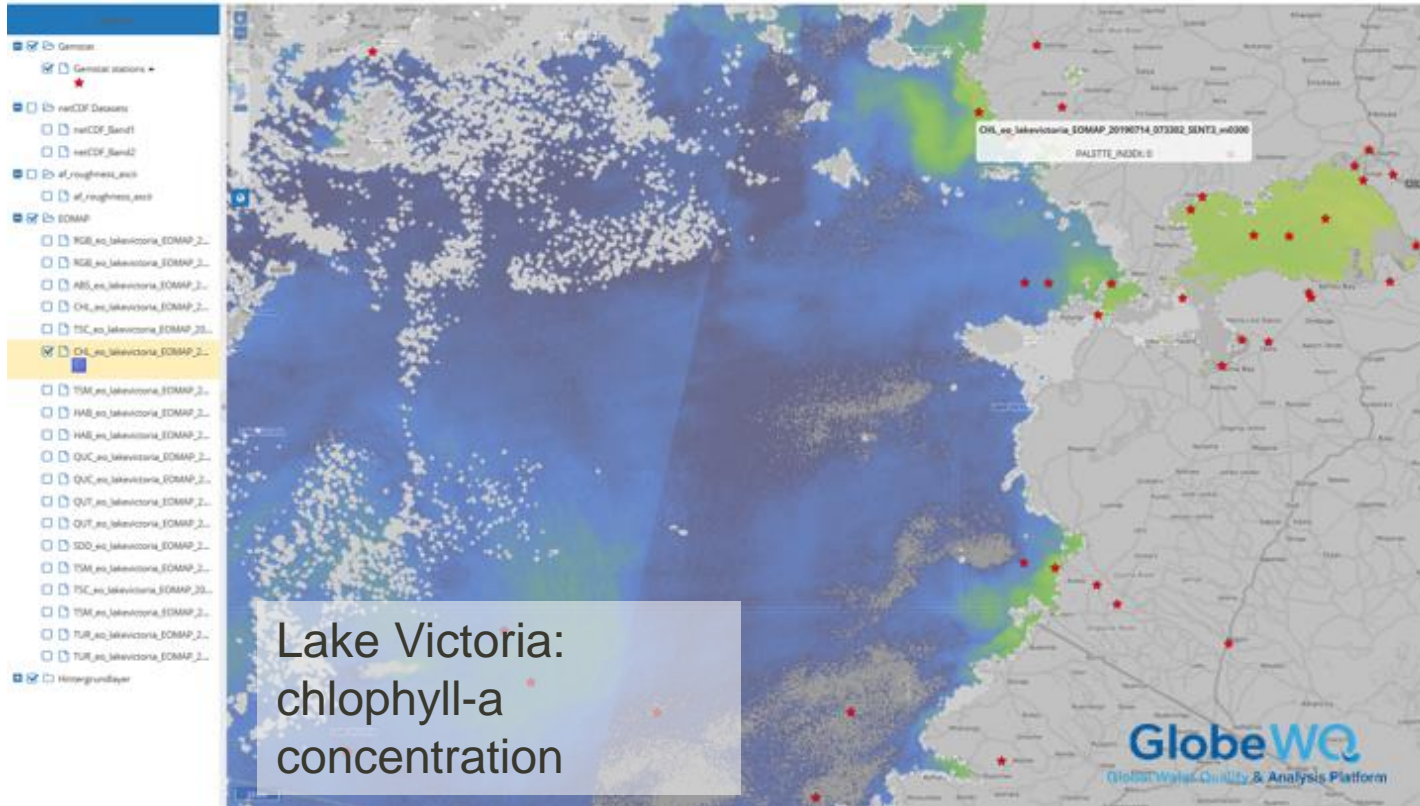
- Improve the functionality and usability of the platform
- Increase trust in the quality and availability of data products
- Promote the bridging role of GlobeWQ between the global scale water quality assessment and more user-tailored water body and river basin scale information which is needed to prioritize actions locally.

THE END


















Different data sources complement each other



The GlobeWQ platform



Lake Victoria:
chlorophyll-a
concentration

	In situ Observations 	Satellite Remote Sensing 	Modelling 
Temporal characteristics			
Resolution			
Time span			
Lead time			
Spatial characteristics			
Resolution			
Extent			
Coverage			
Other characteristics			
Parameters			
Issues	limited spatial and temporal coverage	indirect measurements	only as good as the input data