



# **UNEP GEMS/Water and the WWQA Co-benefits for data collection, capacity development and service provision**

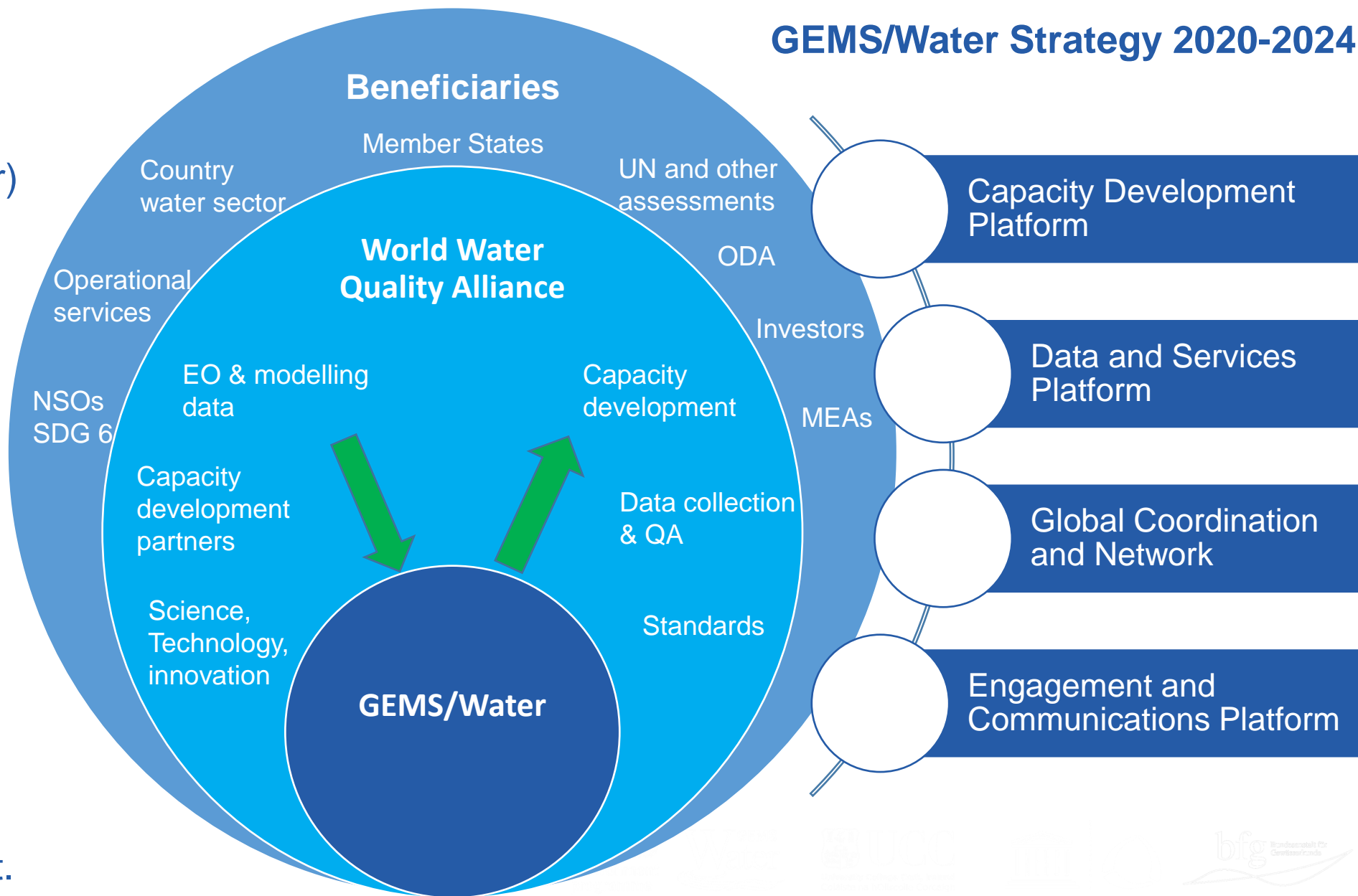
**World Water Quality Alliance 2<sup>nd</sup> Annual Global Meeting, 27-28.01.2021**

**Philipp Saile, Head of GEMS/Water Data Centre (GEMStat)  
International Centre for Water Resources and Global Change (ICWRGC)**

# GEMS/Water as a core pillar of the World Water Quality Alliance

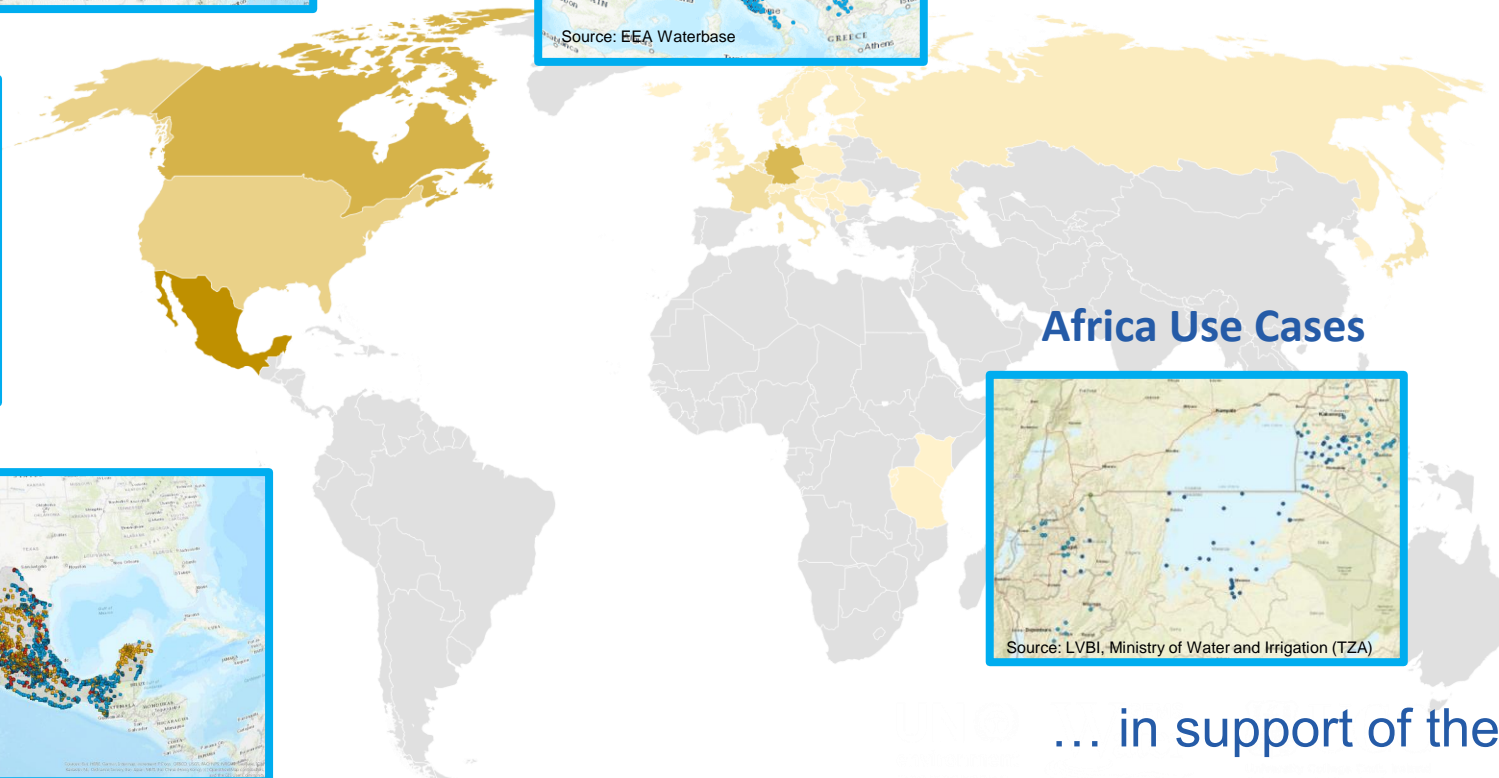
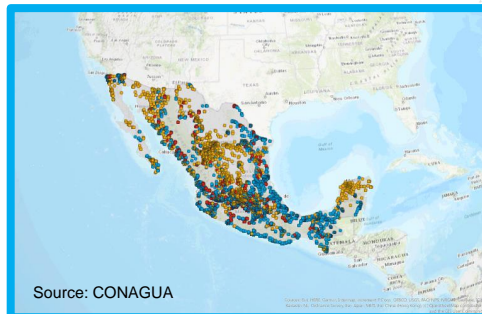
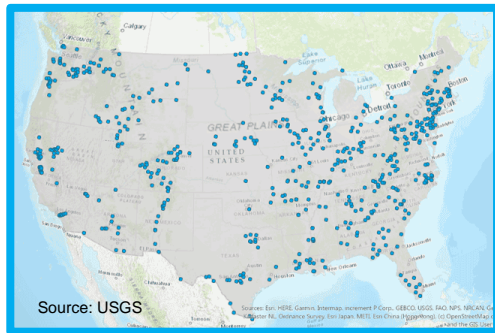
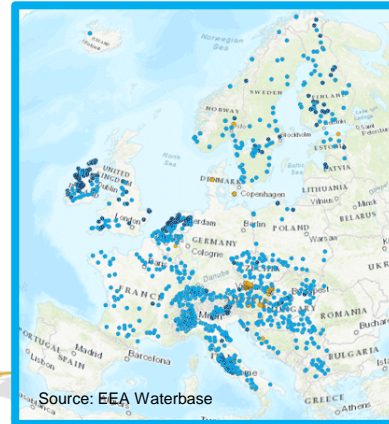
## GEMS/Water Mission

The Global Environment Monitoring System for Freshwater (GEMS/Water) of the UN Environment Programme **provides quality assured data** to keep the state of the world's freshwater resources under continuous review, **develops capacity** of member states, and **provides information and services** across the science-policy-public interface advocating the 2030 Agenda for Sustainable Development.

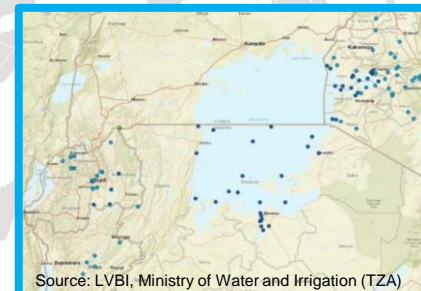


# GEMS/Water in situ water quality data collection

In 2020, > 10 Mio. new sample values for > 6000 new stations were collected



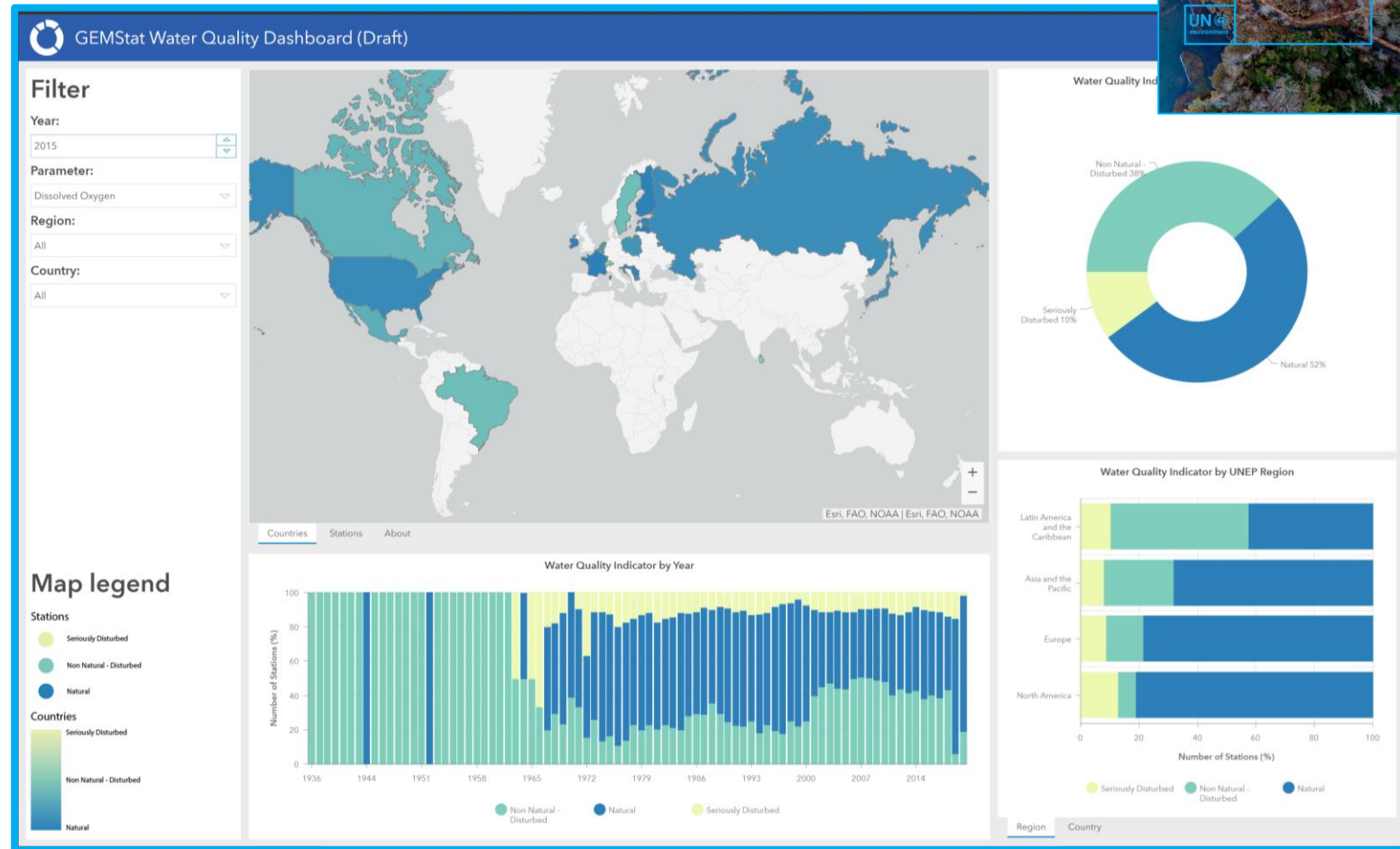
## Africa Use Cases



... in support of the global assessment

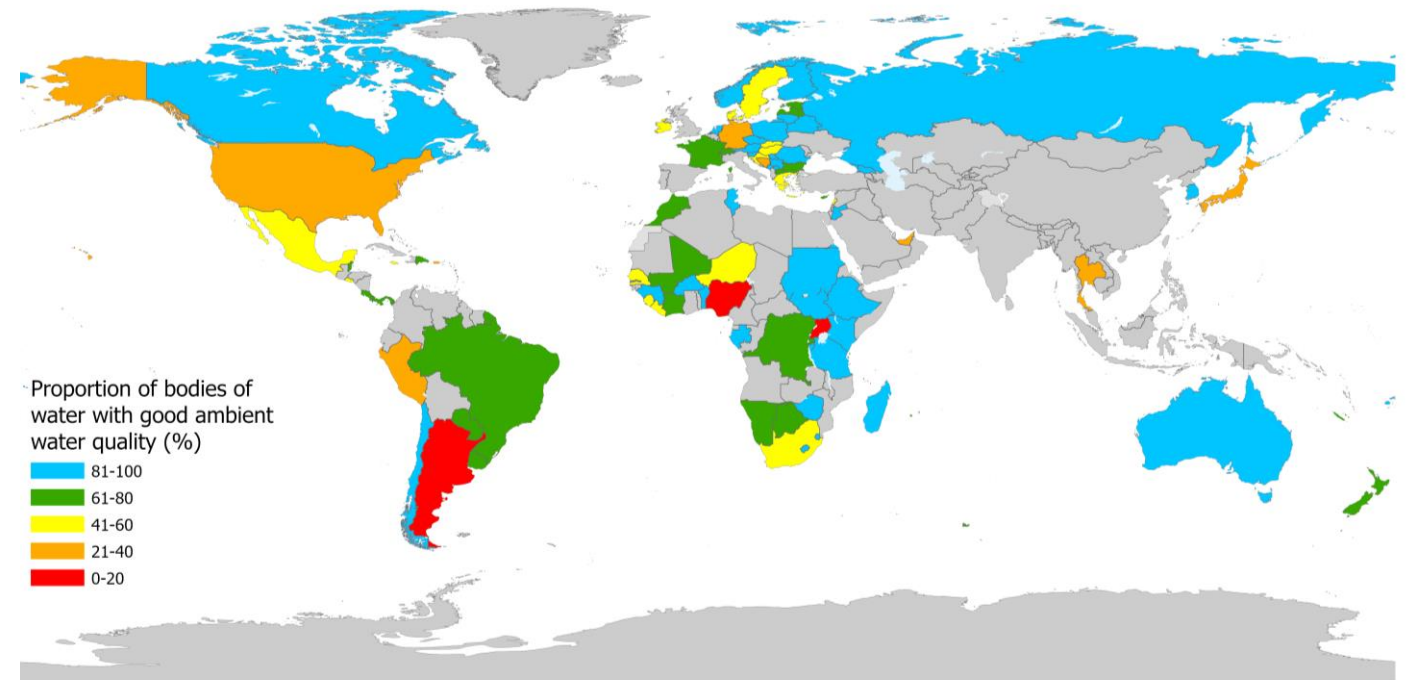
# GEMS/Water information services

- Based on annual statistics of GEMStat data and the [\*Framework for Freshwater Ecosystem Management\* \(UNEP, 2017\)](#), a [water quality dashboard](#) with indicators for the SDG Indicator 6.3.2 core parameters DO, TN, TP and pH has been developed.
- This supplements national SDG 6.3.2 data and contributes to the World Environment Situation Room.
- Additional SDG 6.3.2 products and services are planned for 2021.



# SDG Indicator 6.3.2 2020 Data Drive

- > 80 countries reported on ~ 75000 water bodies
- 60 % of assessed water bodies have good ambient quality
- 44 % of the countries reporting in both 2017 and 2020 are on track to improve water quality
- Only 58 per cent of reporting countries included information about groundwater





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# Thank you for your attention