

World Water Quality Alliance & Proposed Series of Workshops

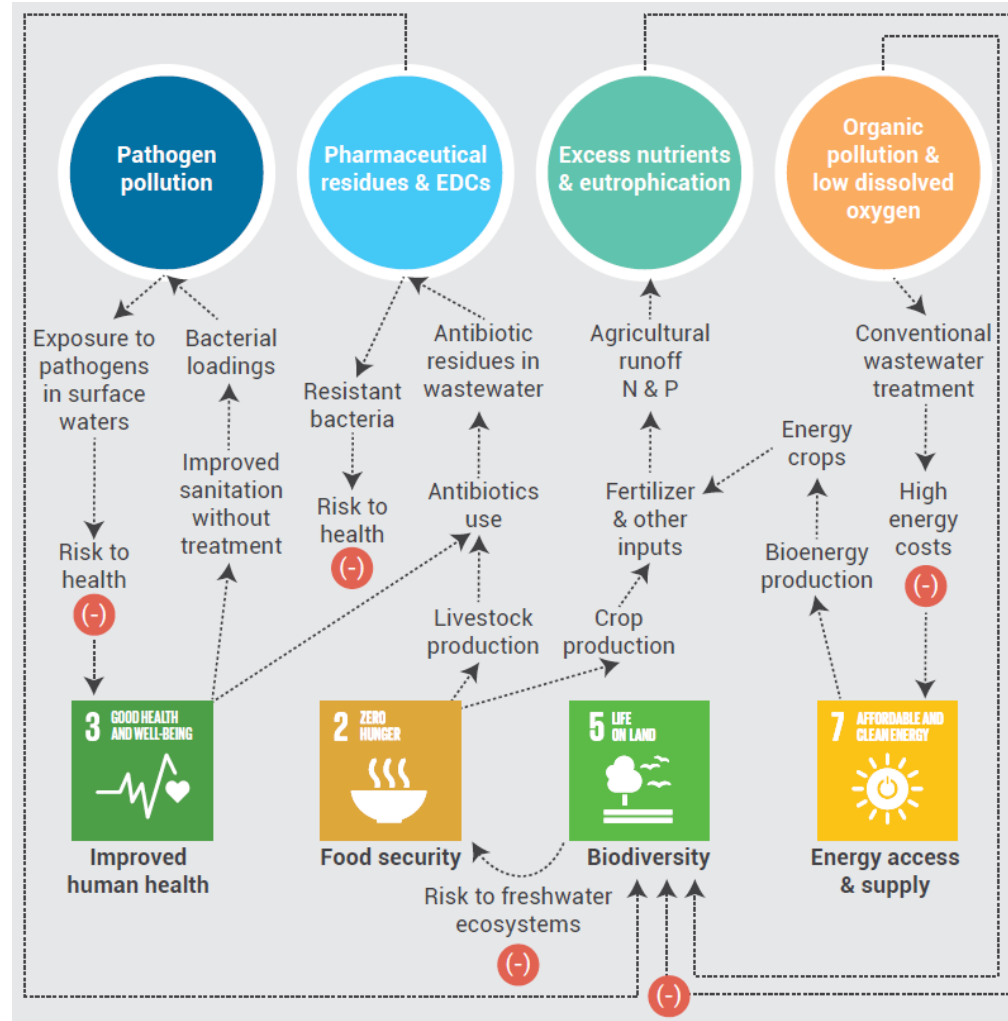
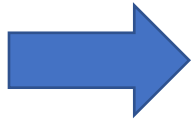
Nina Raasakka, WWQA Coordinator,
UNEP

WEATHER CLIMATE WATER

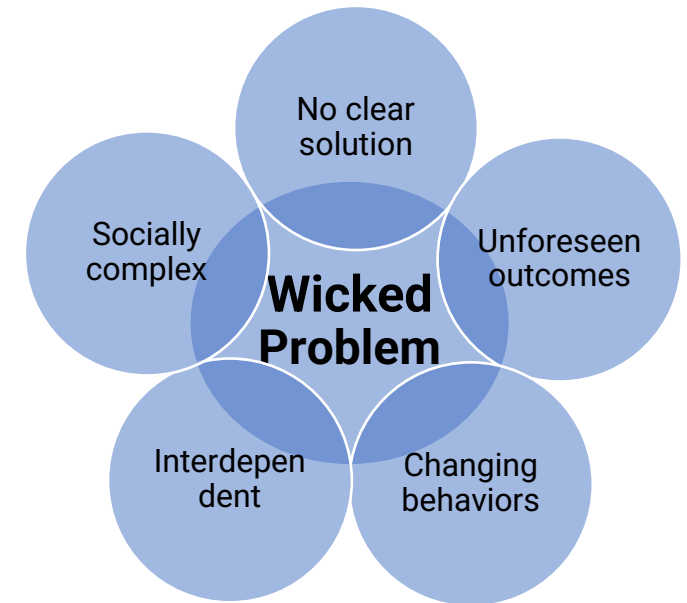
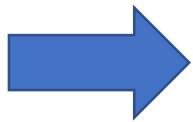
Water Quality and Development in the Agenda 2030

Making SDGs mutually supporting is the challenge

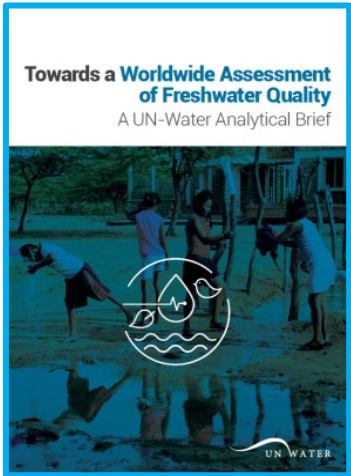
Water Quality Problems



Other SDGs



Source: Towards a Worldwide Assessment of Freshwater Quality: A UN-Water Analytical Brief. Published by UN-Water, November 2016.



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

At the third 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 mandates 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.*



Alliance Priority Areas



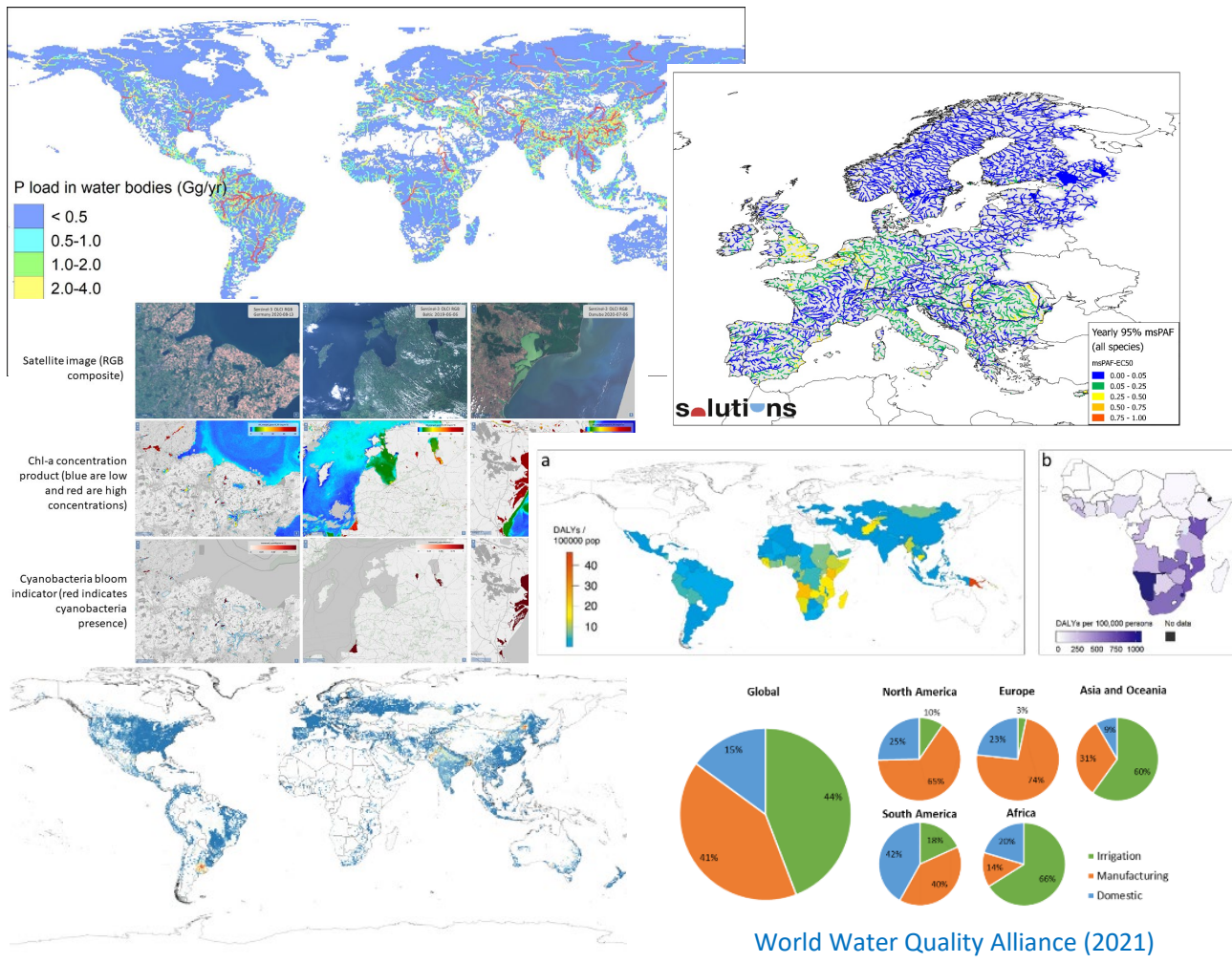
Deliverables:

1. A **global assessment of freshwater quality** based on science, technology, and innovation, including a **data fusion approach** that combines in-situ monitoring, modelling and remote sensing.
2. **Horizon scanning to identify emerging water quality issues** of key environmental and socio-economic concern such as Antimicrobial Resistance and microplastics in rivers and lakes.
3. **Co-designing water quality related services and products**, based on participatory process to identify local demands (use-cases).



The World Water Quality Assessment

'Baseline Assessment': Focus, Status and Agenda



2021

UNEA 5 – Inf Doc. 2021

Date: Limited
3 December 2017
Original: English

United Nations Environment Assembly of the United Nations Environment Programme

United Nations Environment Assembly of the United Nations Environment Programme
Third session
Nairobi, 4-6 December 2017

Draft resolution on addressing water pollution to protect and restore water-related ecosystem

2016

2016 Towards a Worldwide Assessment of Freshwater Quality

A UN-Water Analytical Brief

2016

WWQA
World Water Quality Alliance

WORLD WATER QUALITY ASSESSMENT

First Global Display of a Water Quality Baseline

2021

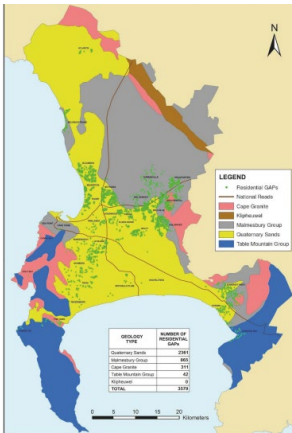
UN WATER

WWQA Africa Use Cases



The Volta - Pathogens (Ghana)

The Volta Basin (map by GLOWA)

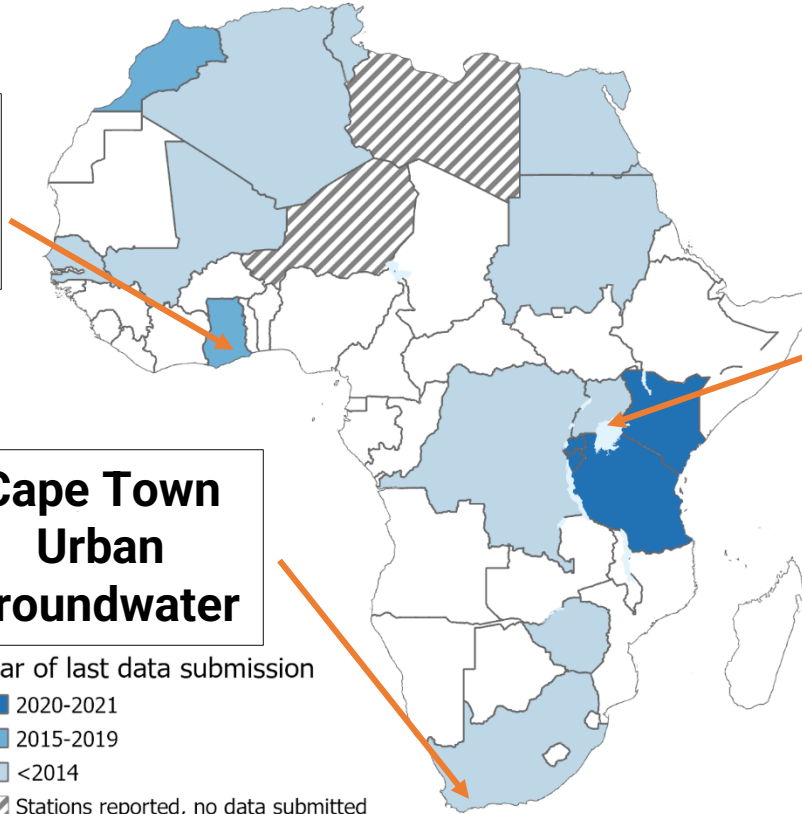


Cape Town Urban Groundwater

Year of last data submission

- 2020-2021
- 2015-2019
- <2014
- Stations reported, no data submitted

Cape Town, Ground Water Abstraction Points – Wright & Jacobs 2016



Lake Victoria Ecosystems (Kenya)



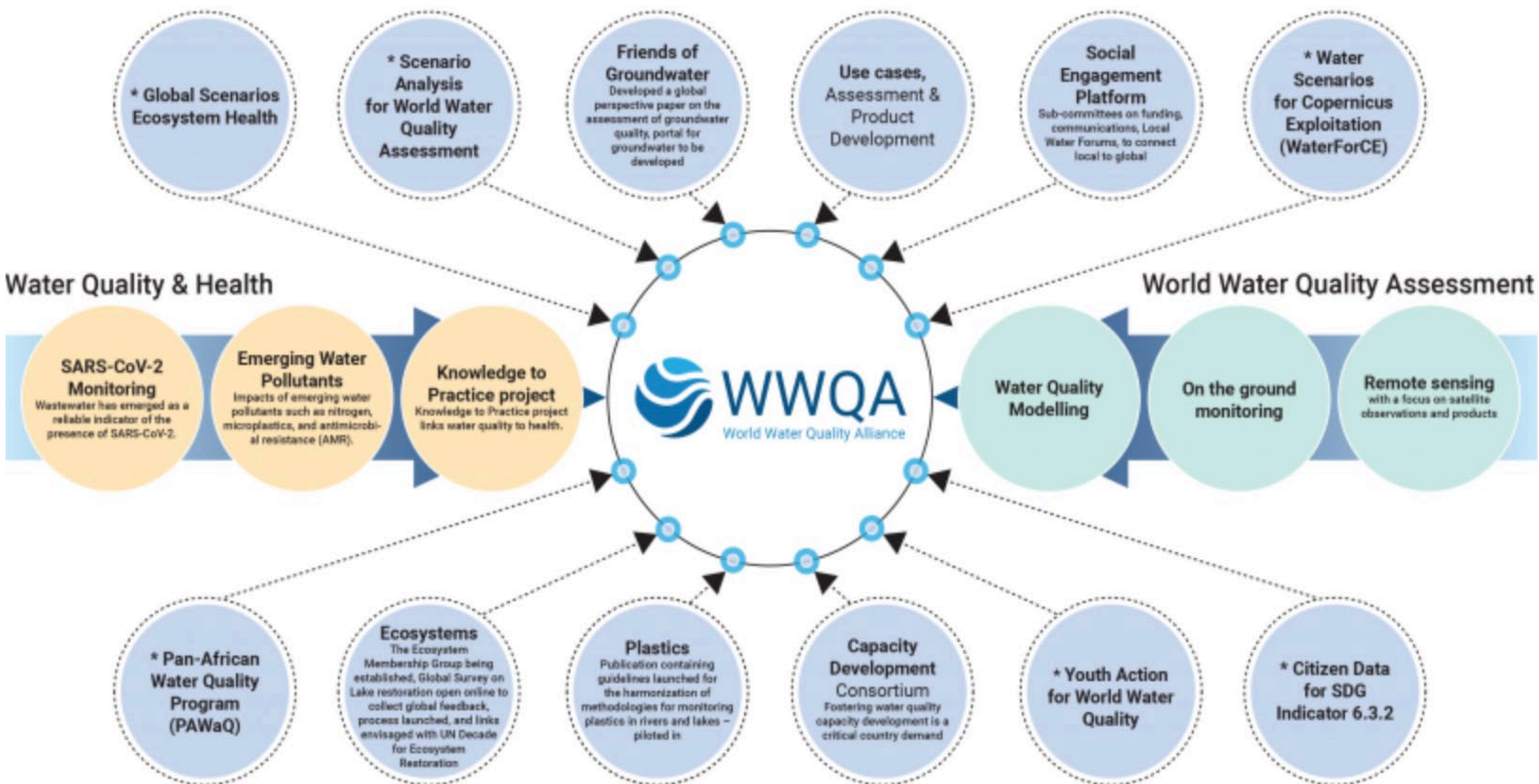
Lake Victoria (Encyclopaedia Britannica)

Work in Countries, AMCOW, Partners, Donors to:

- demonstrate the Water Quality - Alliance capacity in supporting the Agenda 2030
- identify / address the needs of national operational services and related products
- demonstrate the role of quality assured data on water quality, and the hydrological cycle
- establish a data, model and observation driven state of water quality, and
- causal chains in the water, food, health, ecosystems nexus and future scenarios



GEMS/Water Data Centre within the International Centre for Water Resources and Global Change
Koblenz, Germany, 21 May 2021



WWQA Key Implementing Partners

(plus over 50 contributing partners in the Community of Practice)

The World Water Quality Alliance is supported by the
Swiss Confederation

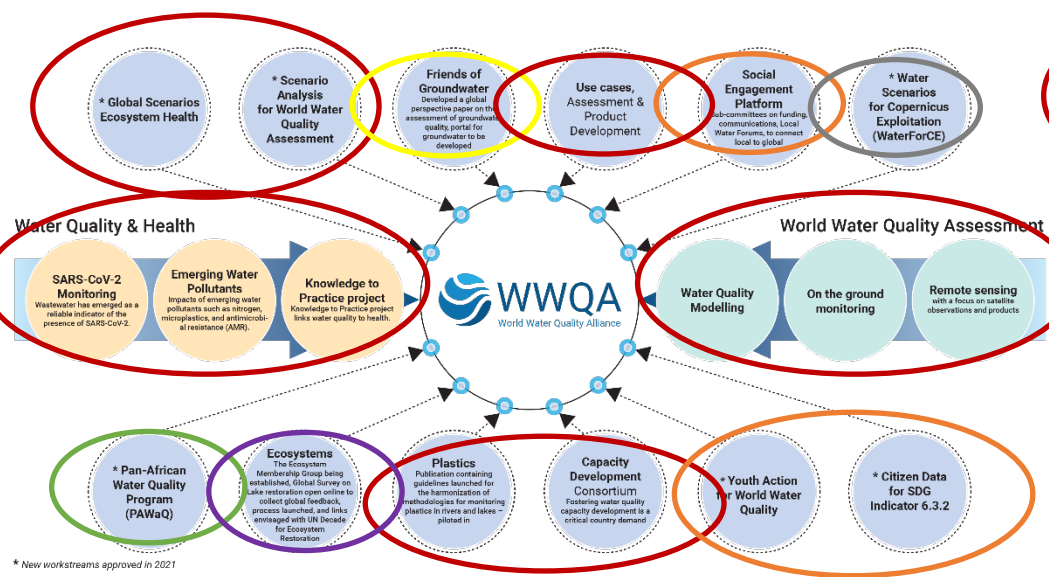


Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Swiss Agency for Development and Cooperation SDC

Federal Office for the Environment FOEN



* New workstreams approved in 2021

WWQA Key Implementing Consortia

World Water Quality Assessment & Use Cases

Brockmann Consult

EAWAG

UFZ & UNEP

EOMAP

EU-Com JRC

ICWRGC

IIASA

Open University

PBL

Plymouth Marine Laboratory

Ruhr-University Bochum

Stichting Deltares

The Umvoto Foundation

University of Fada N’Gourma

University of Wageningen

Utrecht University

Scenario Analysis for World Water Quality Assessment

University of Wageningen

Global Scenarios Ecosystem Health

Stichting Deltares

Ecosystems

EU-Com JRC

IHE DELFT

UK CEH

University of Wageningen

Towards a Pan-African Water Quality Program (PAWaQ)

IWMI

Youth Action

European Youth Parliament for Water - Solidarity Water Europe

Wetskills Foundation

WaterForCE

University of Stirling (USTIR)

Citizen Data for SDG Indicator 6.3.2 - One way to fill the Data Void

Earthwatch Europe

Stichting Deltares

Proposed series of workshops 2022-2023

- Proposed series of workshops aims to address the broad spectrum of water quality monitoring, including modelling, earth observation, citizen sciences etc. with the goal to:
 - ❖ **Foster** development and operationalization of innovative solutions for water quality monitoring,
 - ❖ **Improve** data harmonization and interoperability,
 - ❖ => arrive at a **common road map for strengthened cooperation** on water quality monitoring across the various institutions and data streams to enable a better global view on water quality and achievement of SDG 6.3.2.
- Moderated discussion tomorrow/Day 2 @ 15:00-15:40 (UTC) on proposed series of workshops in 2022-2023

Thank you!
For more information:
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