SDG Indicator 6.3.2 on ambient water quality

2023 Data Drive Updates

Europe 20th June 2023

UNEP GEMS/Water





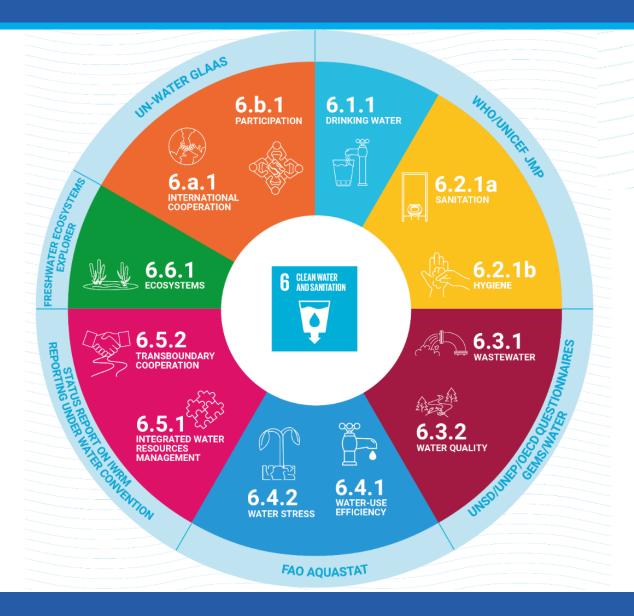
Introduction

- Context
- Indicator recap
- Timeline
- 2021 Progress Report findings
- Updates
 - New SDG Water Quality Hub
 - Level 2 Reporting
- Water Framework Directive Countries
- Summary
- Q&A Session





SDG 6 indicators





























Target 6.3 and Indicator 6.3.2

By 2030, **improve water quality** by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally

- Indicator 6.3.1 Proportion of wastewater safely treated
- Indicator 6.3.2 Proportion of bodies of water with good ambient water quality





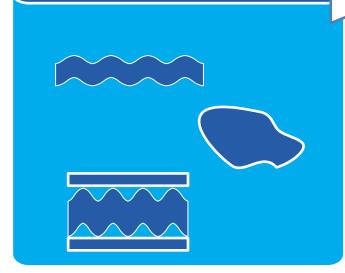
Proportion of bodies of water with good ambient water quality

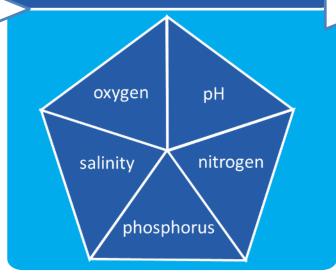
Waterbodies need to be defined within the country:

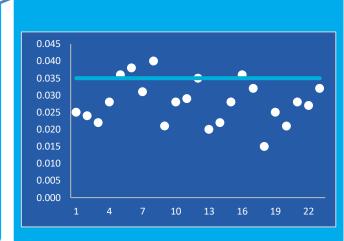
rivers,
lakes, and
groundwaters

Water quality is classified by comparing measurements with target values for specific parameters from specific parameter groups

Good water quality represents at least **80%** compliance of measurements with target values









Level 1 and Level 2

Reporting Level	Level 1	Level 2
Data Collection	In-situ only	In-situ or remote
Data Type	Oxygen N Physico-chemical Salinity	Physico-chemical Biological / Ecosystem Pathogens
Data Source	National monitoring programme Private sector Citizen	National monitoring programme Private sector Private sector Earth observation Models





SDG Indicator 6.3.2 - Timeline

2016 - Method development and testing 2017 - Global data drive 2018 – Progress Reporting 2019 – Feedback process and prepare for data drive 2020 - Global data drive 2021 – Progress Reporting 2022 – Feedback process and prepare for data drive 2023 – Global data drive (Deadline - Oct 1st)



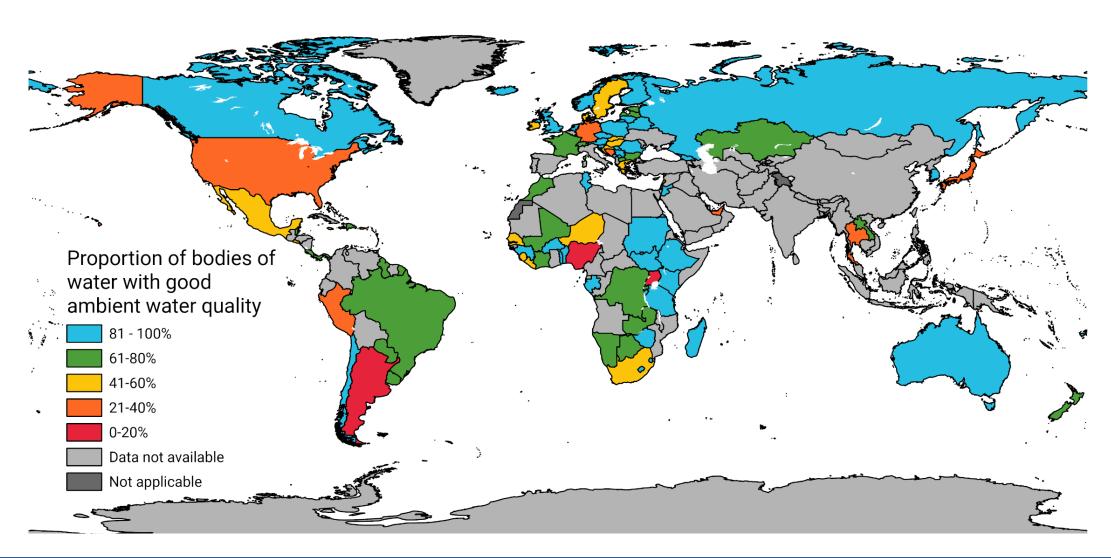
SDG Indicator 6.3.2 - Future

2024 - Progress Reporting 2025 – Feedback process and prepare for data drive 2026 – Global data drive 2027 – Progress Reporting 2028 – Feedback process and prepare for data drive 2029 – Global data drive

2030 – End of the SDGs

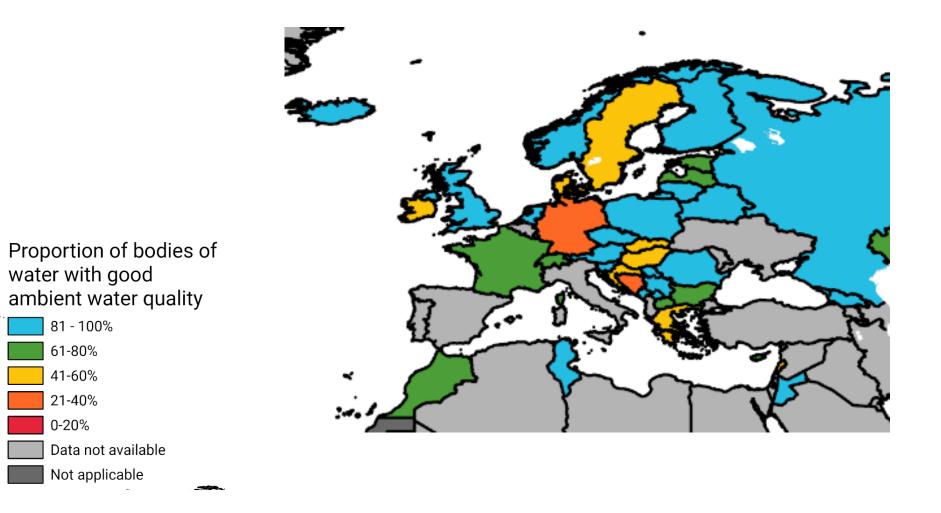


SDG Indicator 6.3.2 - Latest Results





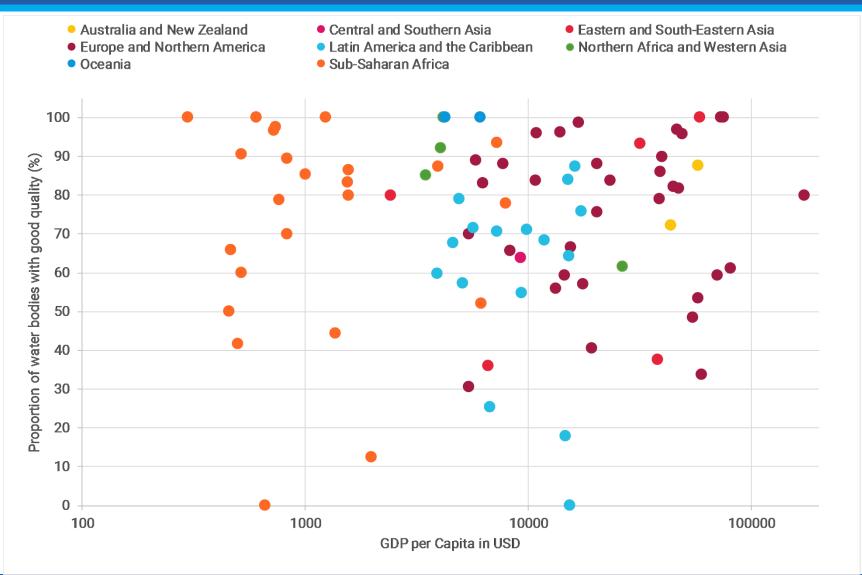
SDG Indicator 6.3.2 - Latest Results





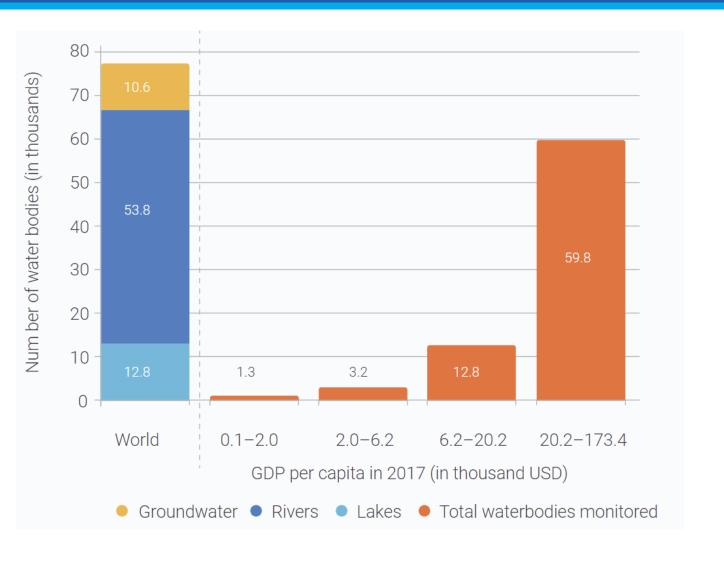
Summary results from 2020 data drive

Good and poor water quality reported in all world regions

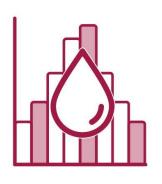




Summary results from 2020 data drive







In low-GDP countries, there is an **urgent need** for **better data** on the **health** of rivers, lakes and groundwater



SDG Water Quality Hub



SDG Water Quality Hub

SDG indicator 6.3.2 tracks progress towards SDG target 6.3. This target aims to improve water quality of rivers, lakes and aquifers globally.

This portal is designed for those tasked with reporting on this indicator for their country. It streamlines the reporting process, provides realtime feedback and insight into submissions, as well as information on the supports available.

The third global data drive is taking place in 2023. During previous drives of 2020 and 2017, 97 countries have reported on this indicator so far. Those countries, as well as those that report in 2023 are shown on the map.

Translate page to other languages





Sustainable Development Goal 6: Ensure access to water and sanitation for all.

SDG Target 6.3: By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.

SDG indicator 6.3.2: Proportion of bodies with good ambient water quality.



Submit data for SDG indicator

Level 1 reporting focusses on the five core parameters. This is the same as that reported during previous data drives in 2017 and

Prepare for submission

Submit data for SDG indicator

Level 2 reporting is optional and allows countries to report on water quality beyond the five core parameters of Level 1.

Prepare for submission

Summary results for current and previous reporting years.

Support is available to help with key aspects of the indicator

Support Available

- Support platform
- Indicator calculation service
- · Establish target values Additional support

Important Concepts



Level 1 and Level 2 Reporting

Level 1 reporting covers the pressures on water quality that are relevant at the global scale, whereas Level 2 goes further and provides the opportunity to include information that relates to pressures of national or sub-national relevance.

Level 1 reporting is essential because it provides global comparability which is essential for all SDG indicators.

Level 2 provides this flexibility and makes it possible to make water quality information available through the SDG reporting framework.

National and subnational reporting

This indicator can be reported at three spatial scales: water body level, reporting basin district level (based on river basin delineations); or, at the national level.

If the water body or RBD levels are chosen, the national indicator will be calculated automatically.

Countries are encouraged to report at sub-national scales because national scores fail to provide insight into where water quality is improving or degrading within a country. Reporting at this finer resolution allows other data to be overlaid to provide greater insight into drivers of water quality and also, it allows transboundary water quality trends to be identified.



Water body definitions

SDG indicator 6.3.2 is relevant for rivers, lakes and aquifers.

It is these hydrological units which are classified as either good or not good water quality. Defining lake water bodies is realtively straightforward, whereas for rivers and aquifers the task is more difficult.



Indicator 6.3.2 uses a target-based approach to classify water quality. This means that the measured values are compared with numerical values that represent "good water quality".



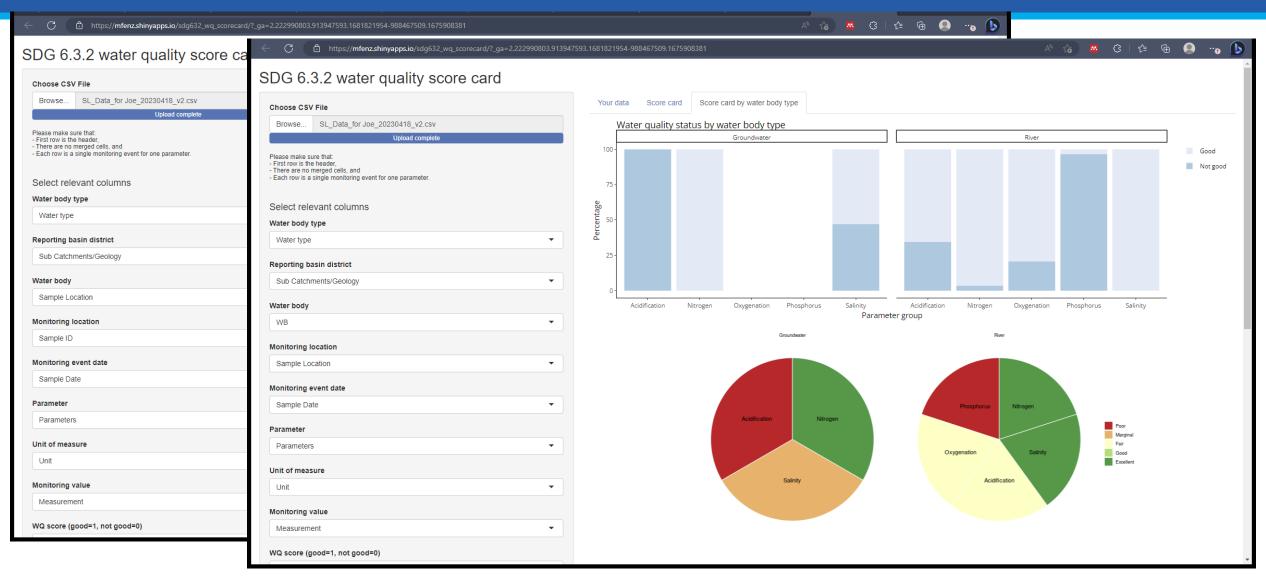


SDG Water Quality Hub

Completed reporting Feedback needed Automatic Capacity indicator calculation **SDG WQ** Progress made -No progress -Online Water quality data permission to share Hub needed contact info needed **Networking** Assessment facility tools Additional Progress made - needs to be data / information demand driven



SDG Water Quality Hub – Scorecard



SDG Water Quality Hub

Map of reporting status

Quick Start Guide

Submission preparation





Submission Results 2020 v

Sustainable Development Goal 6: Ensure access to water and sanitation for all.

SDG Target 6.3: By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.

SDG indicator 6.3.2: Proportion of bodies with good ambient water quality.





Submit data for SDG indicator

Level 2 reporting is optional and allows countries to report on water quality beyond the five core parameters of Level 1.

Prepare for submission

Submit Level 2 Data

Summary results for current and Support is available to help with previous reporting years. Support is available to help with key aspects of the indicator

2017 Results 2020 Results Support platform
 Indicator calculation service

Establish target values
 Additonal support

Support Available

Important Concepts



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Read more

SDG indicator 6.3.2 is relevant for rivers, lakes and aquifers.

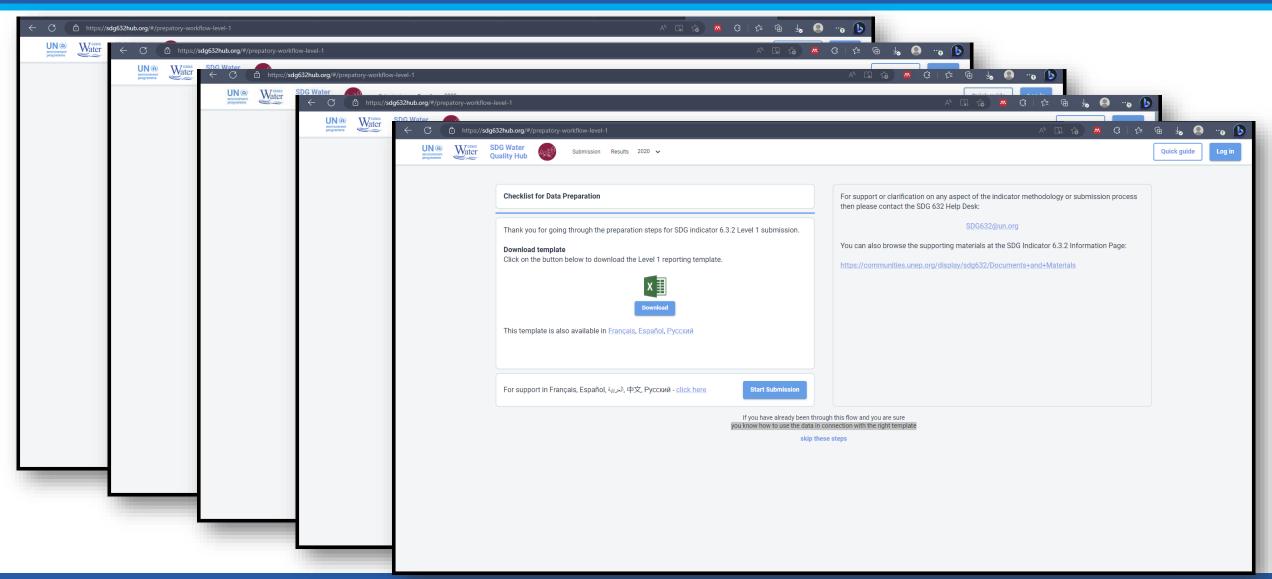
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Target-based approach to classify water quality

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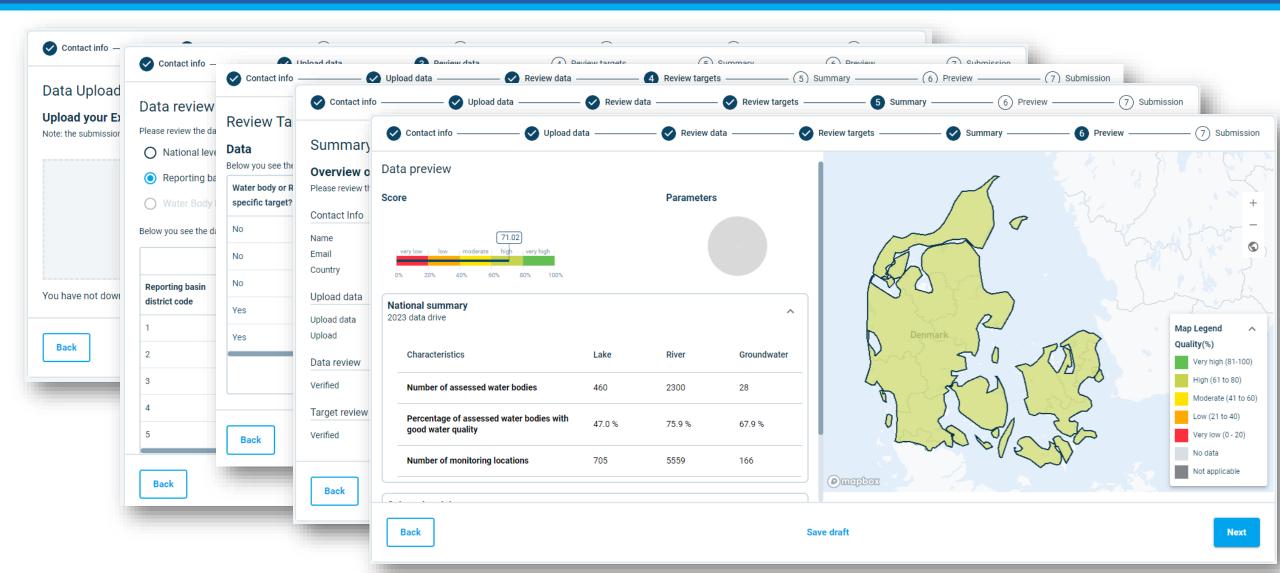
Show more

SDG Water Quality Hub – Prepare for Submission





SDG Water Quality Hub – Submission Process



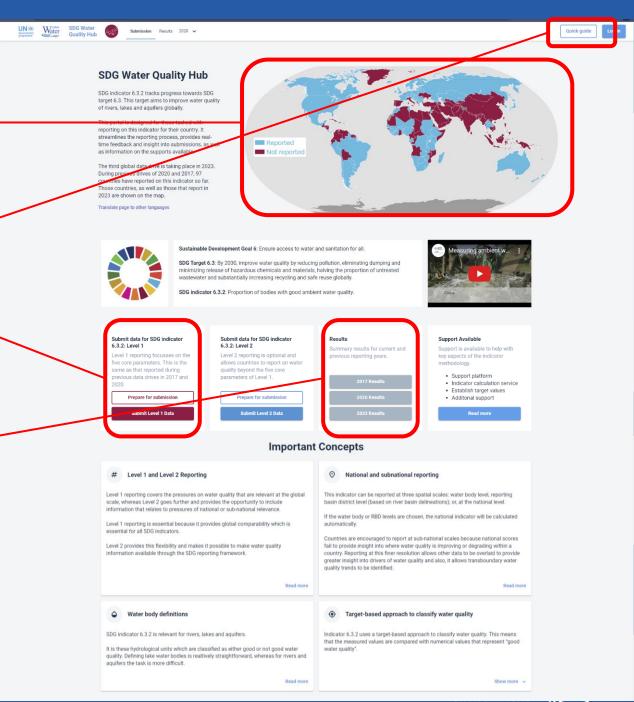
SDG Water Quality Hub

Map of reporting status

Quick guide

Submission preparation

Results pages

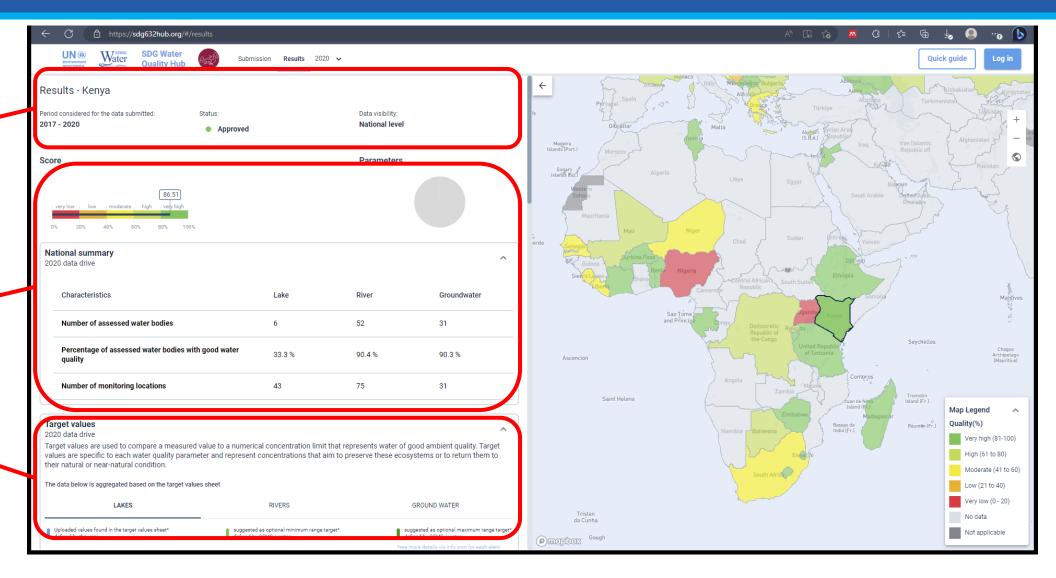


SDG Water Quality Hub – Results

Submission info

National summary info

Target value info





SDG Water Quality Hub

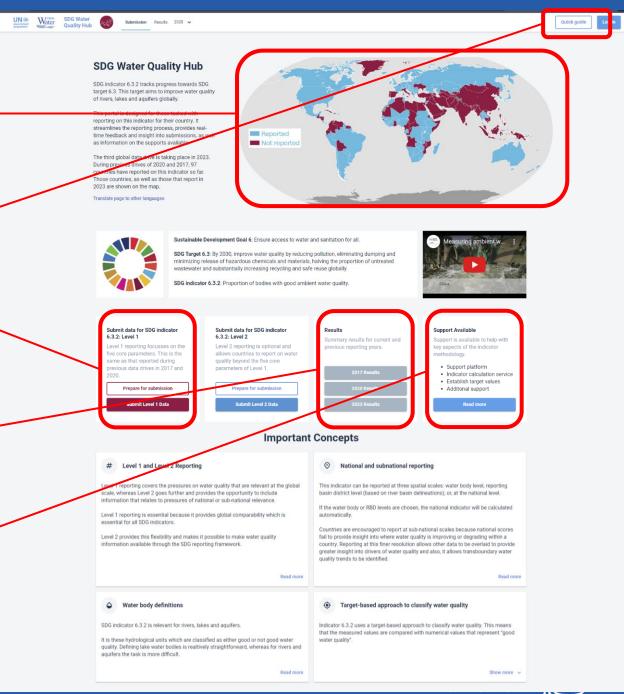
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Quick guide

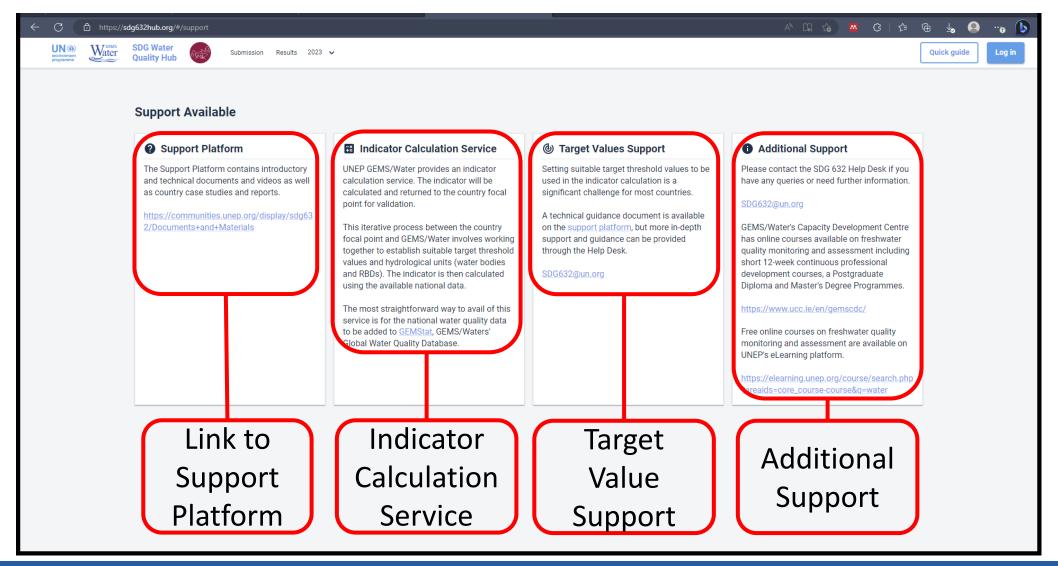
Submission preparation

Results pages

Link to supports page



SDG Water Quality Hub – Support





SDG Water Quality Hub

Map of reporting status

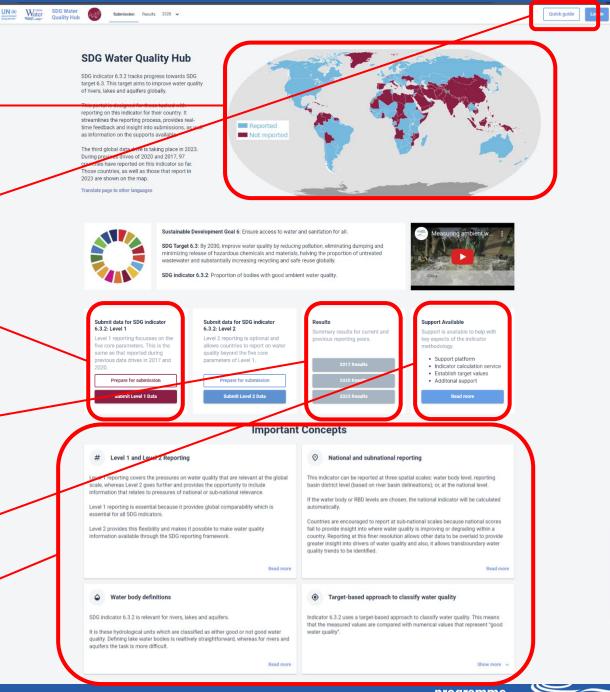
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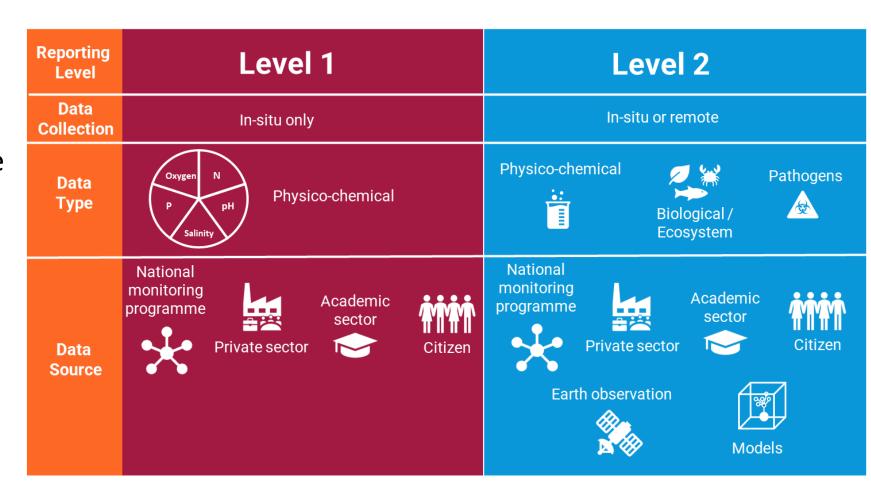
Link to supports page

Important concepts



Level 2 Reporting

- Optional
- 2023 first time countries asked to report at Level 2
- Separate reporting template
- Undertaken either in parallel or in sequence to Level 1 reporting
- Flexible by design
- Developed in response to feedback received from countries
- New technical document



What is Level 2 Reporting?

Level 1

maintains the global comparability

covers the parameters that are relevant at the global scale

it is limited in scope and cannot represent all pressures to freshwater quality

Level 2

provides the opportunity to report any water quality data

to report on parameters and using approaches that match national capacity

provides the flexibility to report beyond Level 1

and to focus on water quality issues that may be significant locally, nationally or regionally



What is Level 2 Reporting?

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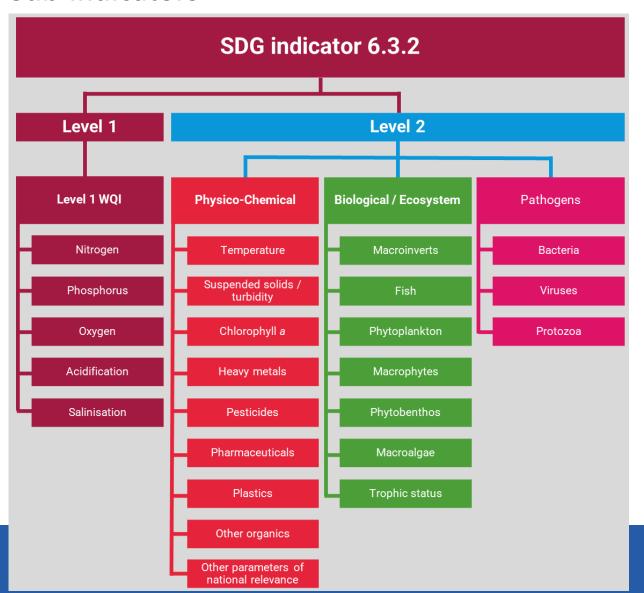
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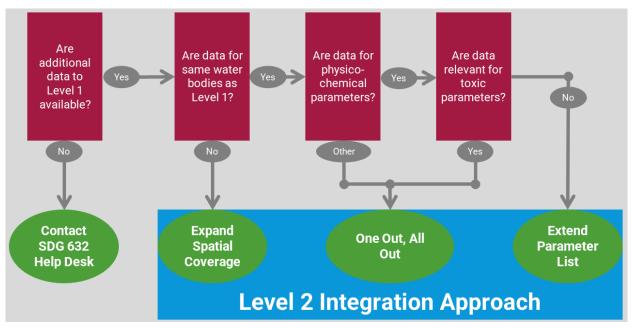


Level 2 Concepts

Sub-indicators



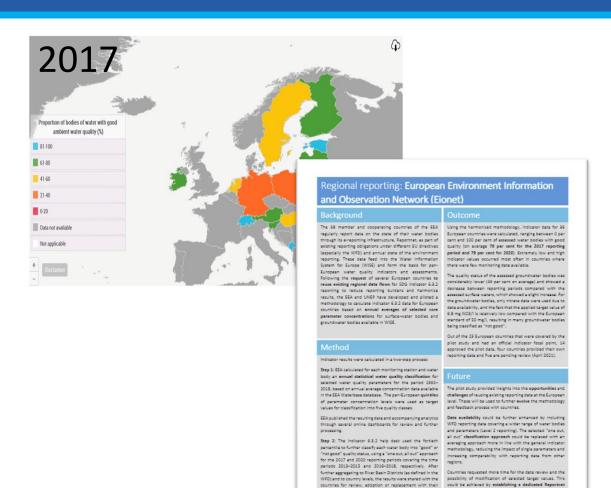
Different approaches to integration





Aligning with the Water Framework Directive

- 2017 only a few European countries reported on SDG Indicator 6.3.2 using different data sources (SoE, WFD)
- Request to re-use existing European data
- Development of options to harmonize reporting in Europe with EEA
- Presentation of options during webinar
 22 April 2020
- Pilot to trial Waterbase data re-use for indicator calculation and reporting







Options for WFD Countries

Current

1. apply the global SDG methodology

2. directly reuse 2nd RBMP information from 2016 that aligns most closely with 2017 SDG reporting window

Future

3. Further develop 2020 pilot pre-calculated indicator based on State of the Environment data



Way Forward for WFD Countries

- UNEP will continue to work bilaterally with each country
- For 2017 SDG 632 reporting window, 2nd RBMP submissions have been used to pre-fill the SDG 632 reporting template – these will be shared.
- Encourage EC's Working Group on Data and Information Sharing (WG-DIS) to continue to work with Water Directors and EEA to update the 2020 pilot project with UNEP's support



Summary

- 2023 Data drive launched
- Reporting deadline October 1st
- 97 countries reported so far
- low-income countries report on far fewer water bodies
- New SDG Water Quality Hub is available
- Countries have option to report at Level 2 for first time
- For WFD countries, our ambition to align with existing reporting framework





Questions or clarification?



Thank you

Further info:

- Latest progress report: https://www.unwater.org/publications/progresson-ambient-water-quality-632-2021-update/
- Contact: <u>SDG632@un.org</u>
- SDG Water Quality Hub: https://sdg632hub.org/



