

Indicador 6.3.2 de los ODS sobre la calidad del agua ambiente

Actualizaciones de la unidad de datos 2023

PNUMA GEMS/Water



- **Contexto**
- **Recapitulación de indicadores**
- **Calendario**
- **Conclusiones del informe situacional 2021**
- **Actualizaciones**
 - Nuevo SDG Water Quality Hub
 - Informes de nivel 2
- **Resumen**
- **Colaboración con Argentina en la gestión de datos**
- **Sesión de preguntas y respuestas**



Indicadores del ODS 6



UN WATER
INTEGRATED MONITORING INITIATIVE FOR SDG 6



United Nations
Statistics Division



UNECE



OECD



World Health
Organization



Trabajo previo en la región de América Latina

- La Oficina Regional del PNUMA convocó al Grupo de Trabajo 2022 sobre el ODS 6.3.2
- Estudio de caso en Chile: Aplicación de la metodología 6.3.2
- Estudio de caso en México y la aplicación de la metodología 6.3.2 con datos de GEMStat
- Colaboración con Argentina en la gestión de datos
- Estudio de caso sobre la aceleración del ODS 6 de ONU-Agua
- Proyecto de observación de la Tierra sobre la presión de la calidad del agua en Uruguay



Country story: Chile and the implementation of the 6.3.2 methodology

Background

Chile is long and narrow with rivers draining from the Andes in the east to the Pacific Ocean in the west. This unique geography creates an interesting hydrological environment with many short, high-gradient river basins that cover a huge latitudinal range (12°–55°S).

The Dirección General de Aguas (the Chilean water agency – DGA) operates and maintains an extensive water quality monitoring network that stretches the length of the country, with over one million water quality records in their database. All data are publicly available through to Banco Nacional de Aguas (National Water Bank – BNA).

Method

DGA undertook in-depth analysis of the indicator methodology with the support of the Center for Sustainable Urban Development (CSUDU), which is available on the Support Platform.¹

This comprehensive process involved data cleaning and validation to ensure only reliable data were used; definition of reporting basins and river water body units; selection of monitoring stations based on activity and data coverage; and target setting.

A site-specific target approach was developed using a hierarchical process:

1. available ambient water quality standards
2. historical data availability (2000–2014)
3. standards defined for specific water uses.

The report went on to calculate annual indicator scores and make suggestions for future work and improvements.

For the 2020 data drive, this method was slightly revised by designating the monitoring station as the “water body” rather than using the larger river basin hydrological units. This approach provided information at a finer resolution to help support management action. This same method was applied retrospectively to the 2017 data period.

¹ Centro de Desarrollo Urbano Sustentable and División General de Aguas (2020) Implementation of SDG Indicator 6.3.2 in Chile. Progress Report of Water with Good Ambient Water Quality. Santiago, Chile. Available at: <https://communities.un.org/data/asset/6242/Documentos/Implementacion%20de%20la%20metodologia%20de%20la%20indicadora%206.3.2%20en%20Chile%202020.pdf>

Outcomes

The 2017 and 2020 submission below.

Year	Number of river basins	Number of water bodies
2017	50	424
2020	50	413

Using the core parameters of water quality of Chile is a general cent of water bodies classified reduction compared with the further site-level investigation necessary to identify the cause.

Country story: Mexico and the implementation of the 6.3.2 methodology using GEMStat data

Background

Comisión Nacional del Agua, the Mexican national water agency (CONAGUA) operates a well-established and extensive water quality monitoring network designed to understand the physico-chemical and microbiological characteristics of the country’s main lentic, lotic, coastal and underground water bodies.

CONAGUA submits data to GEMStat, GEMStat’s global water quality data base. GEMStat brings together voluntary contributions from countries and organizations from their own monitoring networks.

In 2020, CONAGUA requested that data submitted to GEMStat be used to calculate the SDG indicator: 6.3.2 score.

Method

GEMStat data were extracted from the database and verified by CONAGUA staff.

A summary of data used:

- Over 120,000 monitoring records for five core parameters (collected between 2017 and 2019)
- Over 2,000 monitoring stations (both rivers and lakes)
- Over 1,000 water bodies were defined (based on CONAGUA water body definitions)
- 13 administrative hydrologic regions defined by CONAGUA.
- Target values used in the calculation:

Parameter	Minimum (mg/l)	Total P (mg/l)	Residual conductivity (µS/cm)	pH	Dissolved oxygen (mg/l)
Rivers	<1	<0.5	<1000	7.5	>60
Lakes	<1	<0.2	<800	8.5	>60

Outcomes

UNEP calculated the indicator and returned the calculations to CONAGUA for validation.

A summary of the results of the SDG indicator calculation are shown below.

Category	Rivers	Lakes
Number of assessed water bodies	763	271
Number of monitoring stations used	1576	796
Number of monitoring values	97,740	22,200
Proportion of water bodies classified as “good”	53.6%	56.1%

The water quality of Mexico was classified as “good” in half of the water bodies assessed.

The percentage of monitored water bodies, as national level with good quality.

Combining the scores for both rivers and lakes produce national indicator score of 52.9%. This represents the percentage of monitored water bodies, as national level with good quality.

Future

Going forward, and in readiness for the next data CONAGUA and UNEP will:

- retrospectively calculate the indicator score for 2017 reporting period; and,
- look to identify the parameters in water bodies failed to meet the “good” classification.

This is one of the first examples that used data containing GEMStat to calculate a national SDG indicator: 6.3.2 score. The case study serves as a good example of how robust representative information meaningful for a country can be obtained.

WHAT PROGRESS LOOKS LIKE

BRAZIL – WASTEWATER TREATMENT (SDG TARGET 6.3)

Progress indicator: Proportion of wastewater flow treated

Level of impact: National (213 million people and \$2,989 billion in gross domestic product)

Result: Wastewater treatment improved by 16 percentage points, thanks to large-scale investments including the construction of 900 new treatment plants.

Progress 2009–2020:

43% (2009) → 59% (2020)

SITUATION

Water management in Brazil is based on multiple water uses and is organized by river basin – the country is divided into 12 hydrographic regions, the largest being the Amazon basin. While the provision of water and sanitation services in Brazil is decentralized, the National Water and Sanitation Agency (ANA) is the central institution responsible for managing water resources, implementing the country’s National Water Resources Policy, and defining reference standards for the regulation of basic sanitation services. ANA also monitors the conditions and the management of water resources in the country, including the SDG 6 indicators, together with other institutions, such as the Brazilian Institute of Geography and Statistics (IBGE).

progress reported therefore primarily refers to urban areas (home to 85 per cent of Brazil’s population), the domestic and service sector (representing 70 per cent of Brazil’s gross domestic product) and, to a lesser extent, rural areas and the industrial sector.

In 2020, about 55 per cent of the population were connected to sewerage collection networks, whereas 20 per cent relied on septic tanks not connected to collection networks. The remaining 25 per cent of the population relied on unimproved sanitation services. The most effective wastewater treatment plants are located in the most populous state, São Paulo, in the south-eastern part of Brazil.

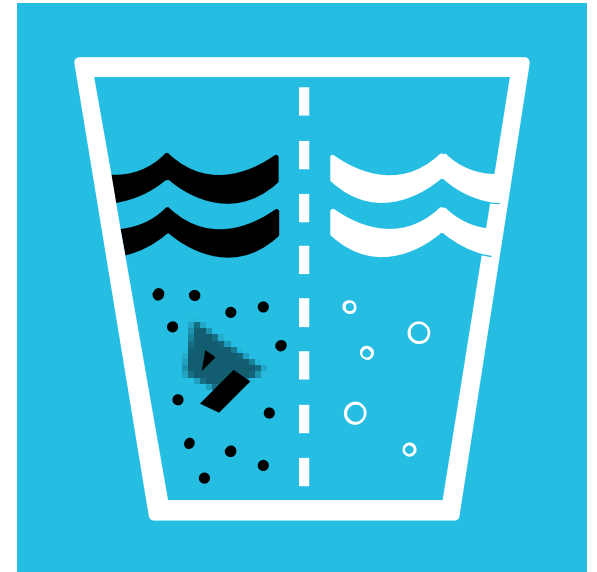
PROGRESS MADE

Objetivo 6.3 e Indicador 6.3.2

Para 2030, **mejorar la calidad del agua** reduciendo la contaminación, eliminando los vertidos, minimizando la liberación de productos químicos y materiales peligrosos, reduciendo a la mitad la proporción de aguas residuales sin tratar y aumentando sustancialmente el reciclado y la reutilización segura en todo el mundo.

- Indicador 6.3.1 - Proporción de aguas residuales tratadas de forma Segura
- **Indicador 6.3.2 - Proporción de masas de agua con buena calidad del agua ambiente**

TARGET **6.3**

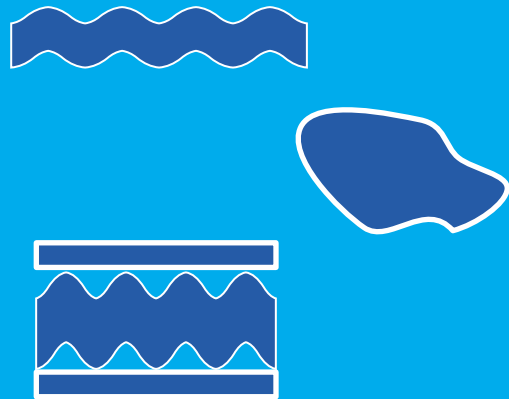


IMPROVE WATER
QUALITY, WASTEWATER
TREATMENT AND SAFE
REUSE

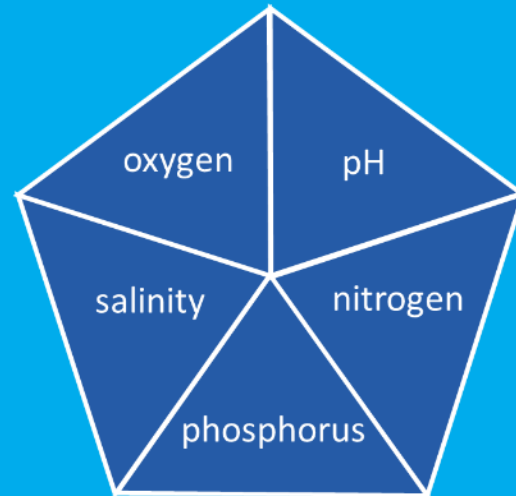
Proporción de masas de agua con buena calidad del agua ambiente

Es necesario definir las masas de agua dentro del país:

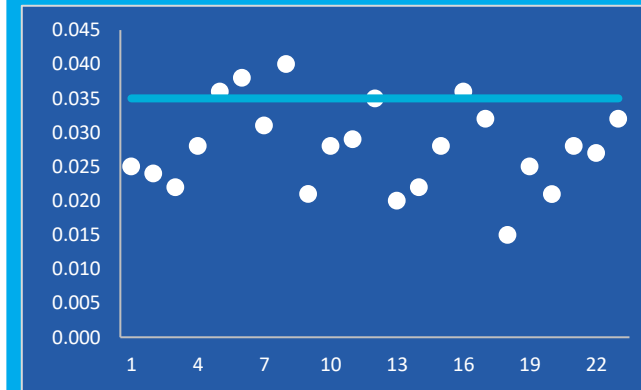
- ríos,
- lagos y
- aguas subterráneas



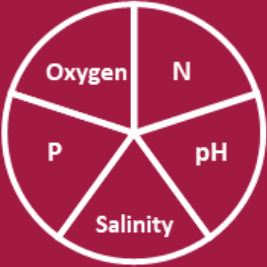













La calidad del agua se clasifica comparando las mediciones con los valores objetivo de parámetros específicos de grupos de parámetros específicos



La buena calidad del agua representa al menos un 80% de conformidad de las mediciones con los valores objetivo



Nivel 1 y Nivel 2

Informes Nivel	Nivel 1	Nivel 2
Tipo de recopilación de datos	Sólo in situ	In situ o a distancia
Tipo de datos	 <p>Fisicoquímico</p>	<p>Fisico-químico </p> <p>Biológico / Ecosistema </p> <p>Patógenos </p>
Datos Fuente	<p>Programa nacional de seguimiento </p> <p>Sector privado </p> <p>Académico sector </p> <p>Ciudadano </p>	<p>National monitoring programme </p> <p>Sector privado </p> <p>Académico sector </p> <p>Ciudadano </p> <p>Observación de la Tierra </p> <p>Modelos </p>

Indicador ODS 6.3.2 - Calendario

2016 - Desarrollo y ensayo de métodos

2017 - Recopilación de datos global

2018 – Informes de progreso

2019 – Proceso de información y preparación para la recogida de datos

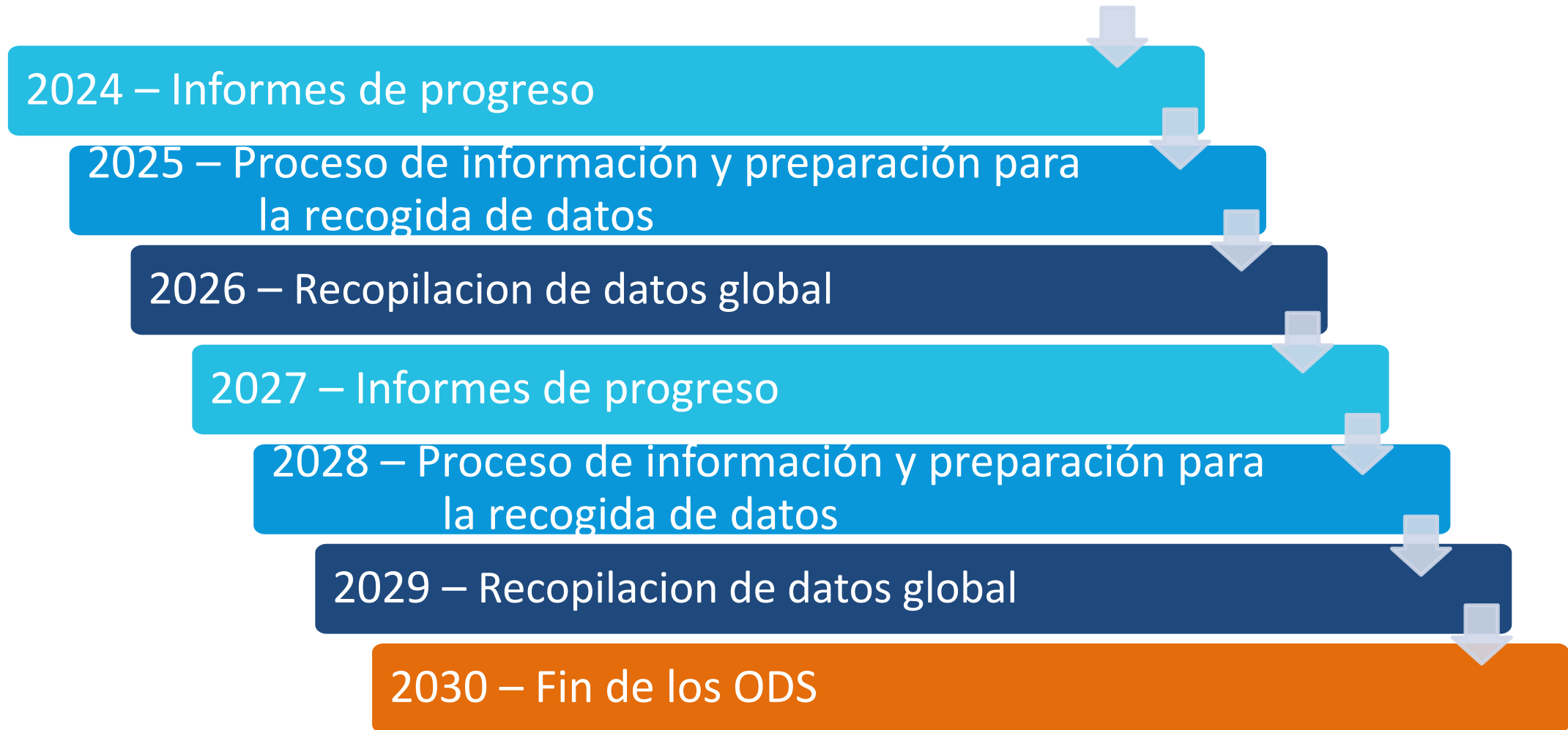
2020 – Recopilación de datos global

2021 – Informes de progreso

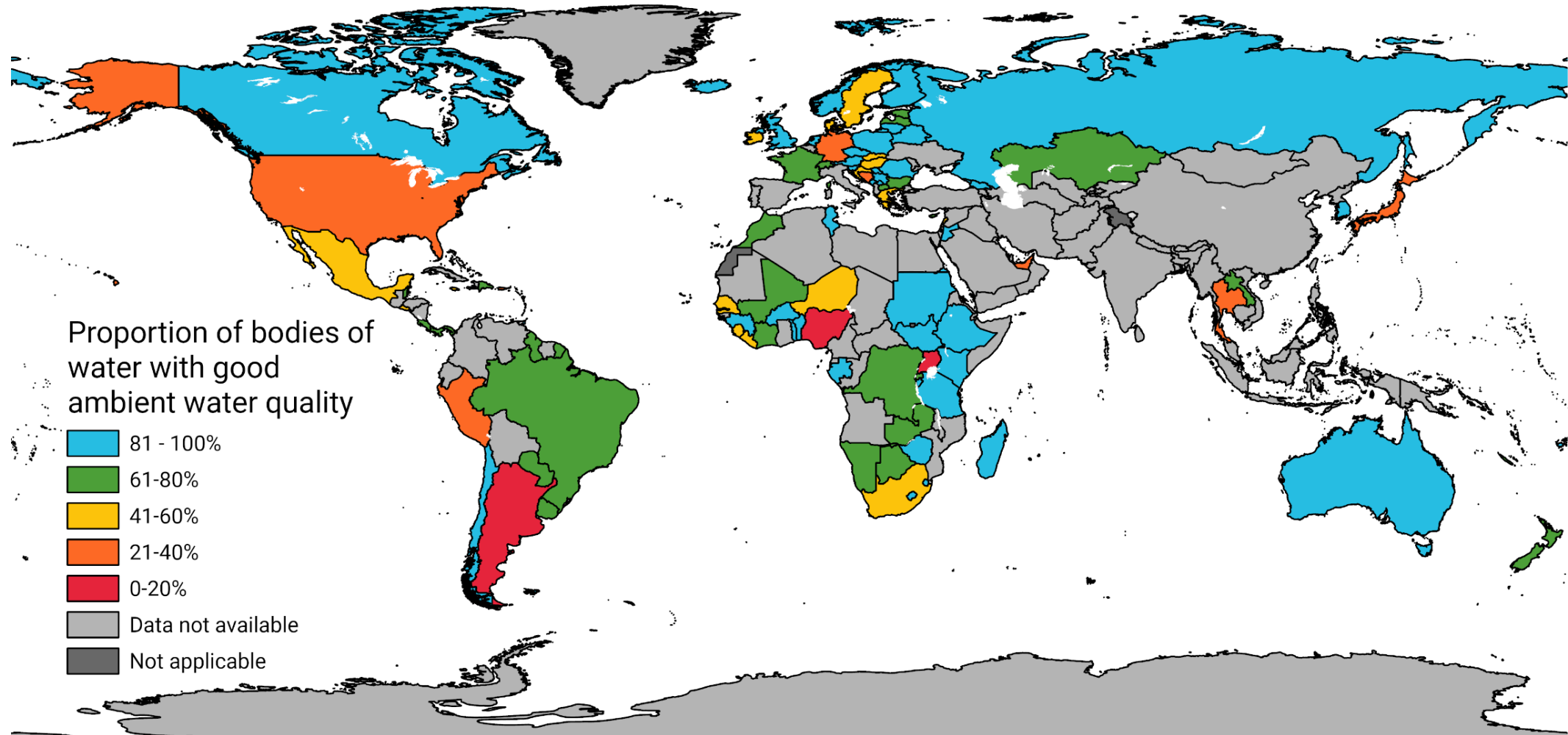
2022 – Proceso de información y preparación para la recogida de datos

2023 – Recopilación de datos global (Plazo - Oct 1st)

ODS Indicador 6.3.2 - Futuro

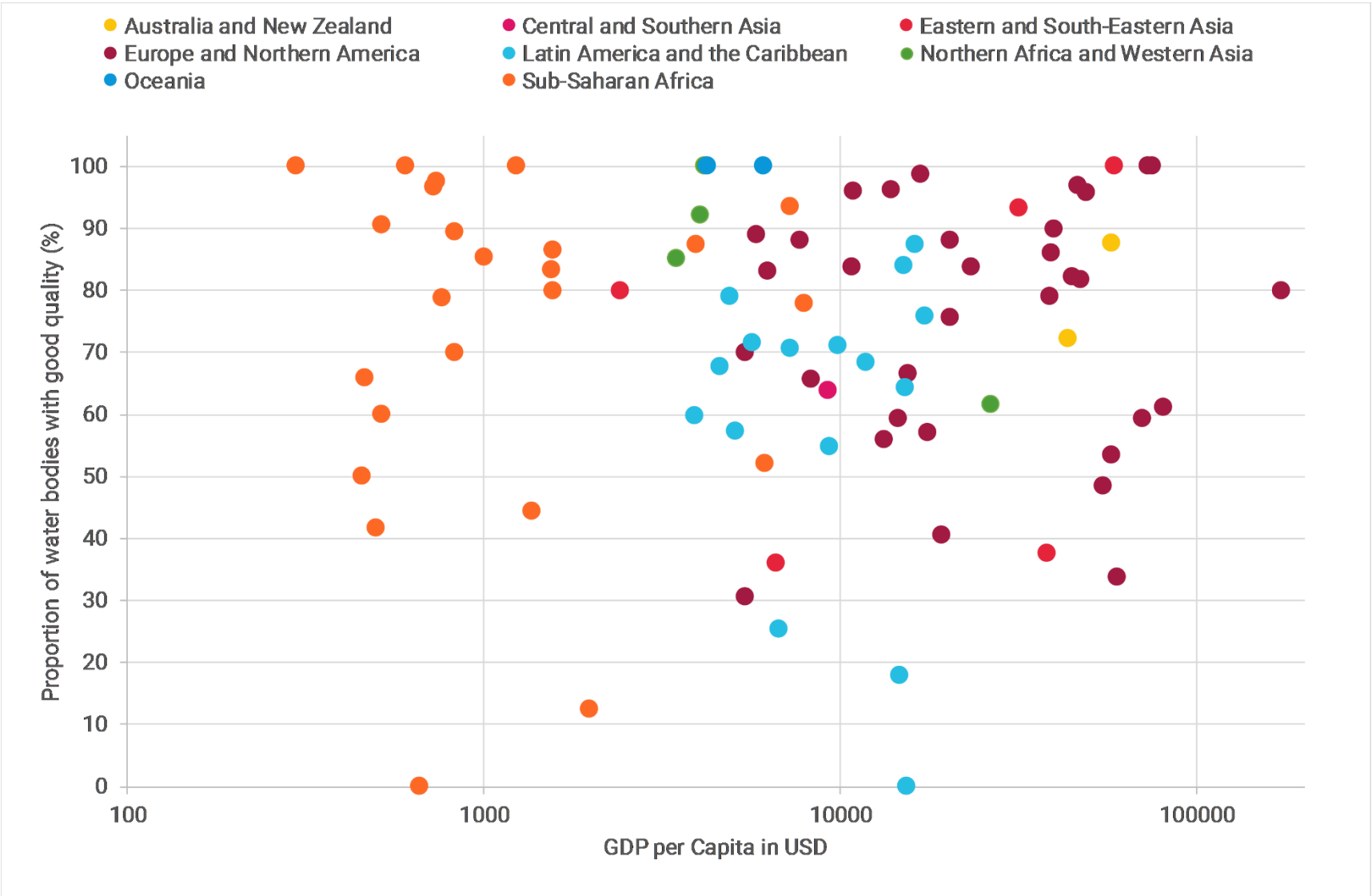


Indicador ODS 6.3.2 - Últimos resultados

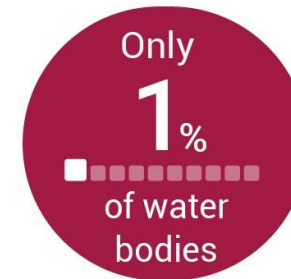
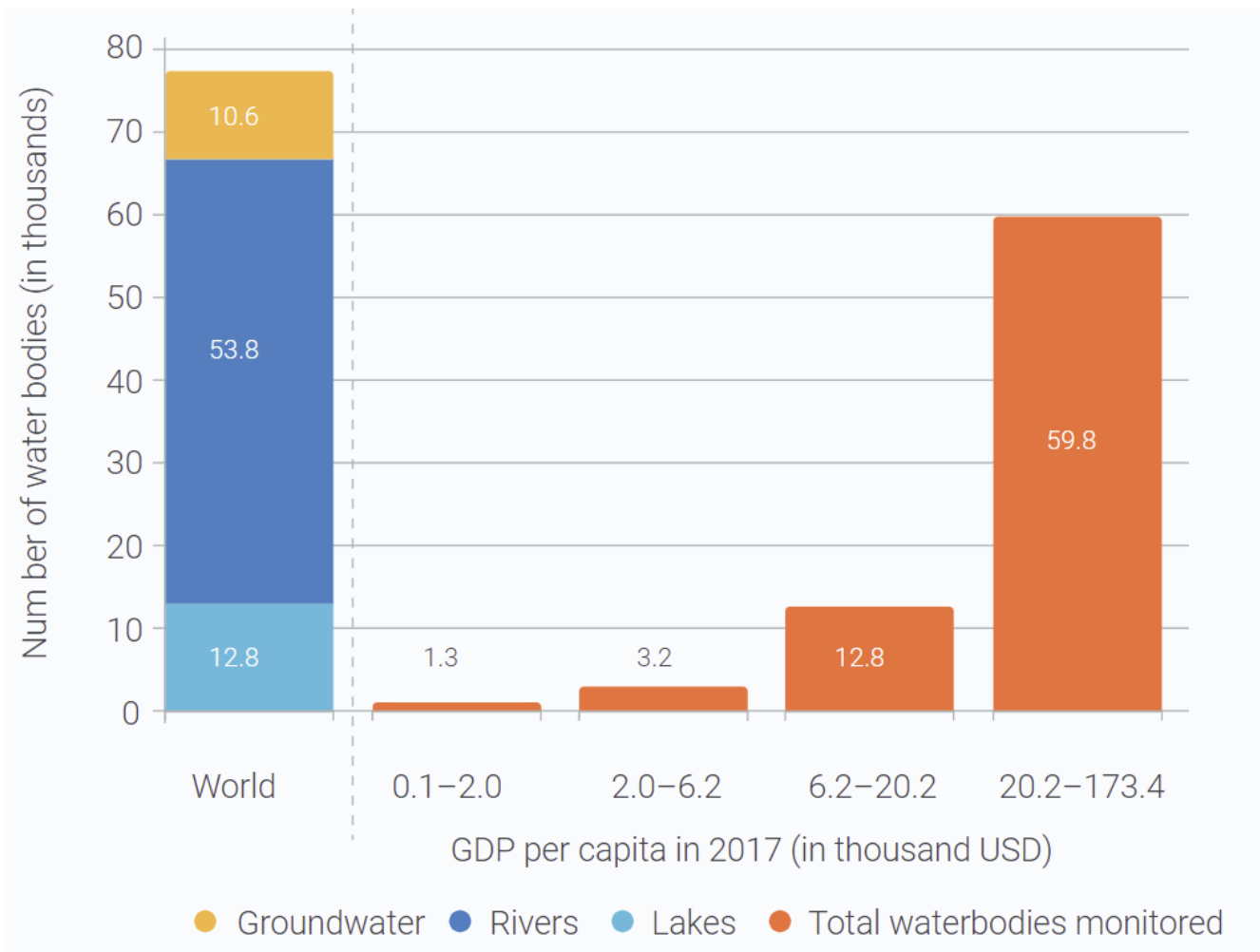


Resumen de los resultados de la campaña de datos 2020

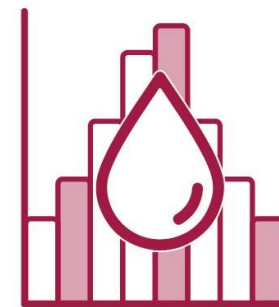
Buena y mala calidad del agua en todas las regiones del mundo



Resumen de los resultados de la campaña de datos 2020



where we have information are in the **20** lowest GDP countries



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

SDG Water Quality Hub



The screenshot shows the SDG Water Quality Hub website interface. At the top, there are logos for UN, Water Quality Hub, and navigation links for Submission, Results, and 2020. A "Quick guide" and "Log in" button are also present.

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 real-time 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

A world map where countries are color-coded: light blue for "Reported" and dark red for "Not reported".

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 6.3.2: Level 1

Level 1 reporting focuses on the five core parameters. This is the same as that reported during previous data drives in 2017 and 2020.

Prepare for submission

Submit Level 1 Data

Submit data for SDG indicator 6.3.2: Level 2

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

Results

Summary results for current and previous reporting years.

2017 Results

2020 Results

2023 Results

Support Available

Support is available to help with key aspects of the indicator methodology.

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

Read more

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.

Read more

📍 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.

Read more

🌊 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 relatively straightforward, whereas for rivers and aquifers the task is more difficult.

Read more

🎯 Target-based approach to classify water quality

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".

Show more

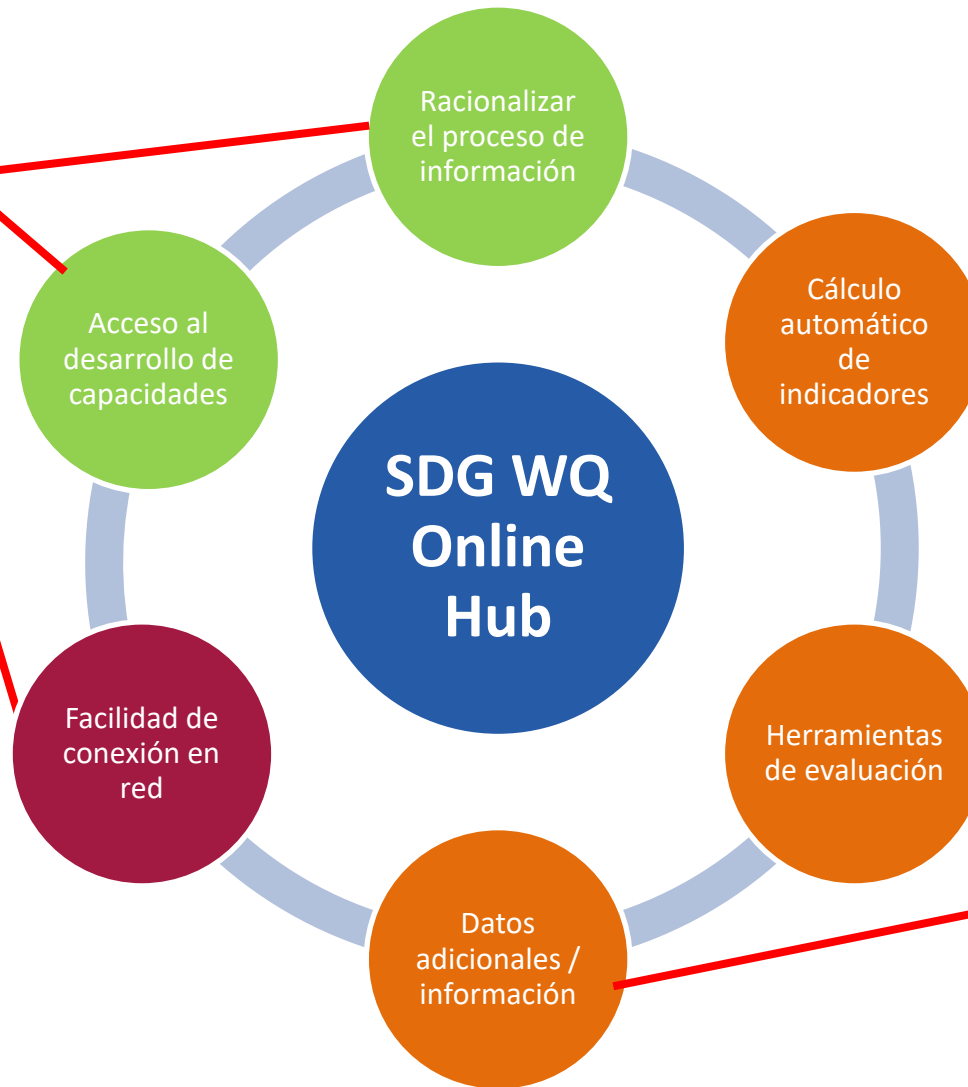
<https://sdg632hub.org/>



SDG Water Quality Hub

Finalizado - Se necesitan comentarios de retroalimentación para mejorar el Hub

No se ha avanzado - se necesita permiso para compartir información de contacto



Progresos realizados - Se necesitan datos sobre la calidad del agua

Progresos en la provision de datos adicionales del Hub - solo puede ser impulsado y mejorado por la demanda de los usuarios

SDG Water Quality Hub – Tarjeta de puntuación

SDG 6.3.2 water quality score card

Choose CSV File

Browse... SL_Data_for Joe_20230418_v2.csv

Upload complete

Please make sure that:

- First row is the header.
- There are no merged cells, and
- Each row is a single monitoring event for one parameter.

Select relevant columns

Water body type

Water type

Reporting basin district

Sub Catchments/Geology

Water body

Sample Location

Monitoring location

Sample ID

Monitoring event date

Sample Date

Parameter

Parameters

Unit of measure

Unit

Monitoring value

Measurement

WQ score (good=1, not good=0)

SDG 6.3.2 water quality score card

Choose CSV File

Browse... SL_Data_for Joe_20230418_v2.csv

Upload complete

Please make sure that:

- First row is the header.
- There are no merged cells, and
- Each row is a single monitoring event for one parameter.

Select relevant columns

Water body type

Water type

Reporting basin district

Sub Catchments/Geology

Water body

WB

Monitoring location

Sample Location

Monitoring event date

Sample Date

Parameter

Parameters

Unit of measure

Unit

Monitoring value

Measurement

WQ score (good=1, not good=0)

Your data | Score card | Score card by water body type

Water quality status by water body type

Water body type	Parameter group	Good (%)	Not good (%)
Groundwater	Acidification	100	0
	Nitrogen	100	0
	Oxygenation	100	0
	Phosphorus	100	0
	Salinity	50	50
River	Acidification	65	35
	Nitrogen	95	5
	Oxygenation	75	25
	Phosphorus	95	5
	Salinity	100	0

Parameter group

Water body type	Parameter	Status
Groundwater	Acidification	Poor
	Nitrogen	Good
	Salinity	Marginal
River	Phosphorus	Poor
	Nitrogen	Good
	Salinity	Good
	Acidification	Fair

Legend for pie charts: Poor (Red), Marginal (Orange), Fair (Yellow), Good (Light Green), Excellent (Dark Green)

SDG Water Quality Hub

Mapa del estado de los informes

Botón de traducción

Guía de inicio rápido

Preparación del envío

The screenshot shows the SDG Water Quality Hub website interface. At the top right, there is a 'Quick guide' button. Below the header, a world map displays the reporting status of countries, with a legend indicating 'Reported' (blue) and 'Not reported' (red). A 'Translate page to other languages' button is located below the map. The main content area includes a section for 'Sustainable Development Goal 6' and 'SDG Target 6.3', followed by 'SDG indicator 6.3.2'. Below this, there are four columns: 'Submit data for SDG indicator 6.3.2: Level 1', 'Submit data for SDG indicator 6.3.2: Level 2', 'Results' (with buttons for 2017, 2020, and 2023), and 'Support Available'. The 'Submit data for SDG indicator 6.3.2: Level 1' section is highlighted with a red box. Below the data submission sections is an 'Important Concepts' section with four sub-panels: '# Level 1 and Level 2 Reporting', 'National and subnational reporting', 'Water body definitions', and 'Target-based approach to classify water quality'. Each sub-panel contains detailed text and a 'Read more' or 'Show more' link.

<https://sdg632hub.org/>



SDG Water Quality Hub – Prepare for Submission

The screenshot displays the 'Checklist for Data Preparation' page on the SDG632hub.org website. The page is titled 'Checklist for Data Preparation' and includes the following content:

- A thank you message: "Thank you for going through the preparation steps for SDG indicator 6.3.2 Level 1 submission."
- A section titled 'Download template' with the instruction: "Click on the button below to download the Level 1 reporting template." Below this is a blue 'Download' button with an Excel icon.
- A note: "This template is also available in [Français](#), [Español](#), [Русский](#)"
- A 'Start Submission' button.
- Support information: "For support in Français, Español, العربية, 中文, Русский - [click here](#)"
- Help desk contact: "For support or clarification on any aspect of the indicator methodology or submission process then please contact the SDG 632 Help Desk: SDG632@un.org"
- Additional resources: "You can also browse the supporting materials at the SDG Indicator 6.3.2 Information Page: <https://communities.unep.org/display/sdg632/Documents+and+Materials>"
- A footer note: "If you have already been through this flow and you are sure you know how to use the data in connection with the right template [skip these steps](#)"

<https://sdg632hub.org/>

SDG Water Quality Hub – Proceso de presentación

Contact info

Data review

Please review the data

National level

Reporting basin

Water Body

Below you see the data

Reporting basin district code

1	
2	
3	
4	
5	

Review Targets

Below you see the data

No	
No	
No	
Yes	
Yes	

Summary

Please review the data

Contact Info

Name

Email

Country

Upload data

Upload data

Upload

Data review

Verified

Target review

Verified

Data preview

Score

71.02

very low low moderate high very high

0% 20% 40% 60% 80% 100%

Parameters

National summary

2023 data drive

Characteristics	Lake	River	Groundwater
Number of assessed water bodies	460	2300	28
Percentage of assessed water bodies with good water quality	47.0 %	75.9 %	67.9 %
Number of monitoring locations	705	5559	166

Map Legend

Quality(%)

- Very high (81-100)
- High (61 to 80)
- Moderate (41 to 60)
- Low (21 to 40)
- Very low (0 - 20)
- No data
- Not applicable

mapbox

Back **Save draft** **Next**

SDG Water Quality Hub

Mapa del estado de los informes

Botón de traducción

Guía de inicio rápido

Preparación del envío

Páginas de resultados

The screenshot shows the SDG Water Quality Hub website interface. At the top, there are navigation links for 'UN @', 'Water Quality Hub', 'Submission', 'Results', and '2020'. A 'Quick guide' button is in the top right corner. The main heading is 'SDG Water Quality Hub', followed by a description of SDG Indicator 6.3.2 and a world map showing the reporting status of countries. A legend indicates 'Reported' (light blue) and 'Not reported' (dark red). Below the map, there is a 'Translate page to other languages' button. The 'Sustainable Development Goal 6' section includes the target and indicator descriptions. A video thumbnail titled 'Measuring ambient water quality' is also present. The 'Submit data for SDG indicator 6.3.2: Level 1' and 'Level 2' sections provide instructions and buttons for 'Prepare for submission' and 'Submit Level 1/2 Data'. The 'Results' section shows buttons for '2017 Results', '2020 Results', and '2023 Results'. A 'Support Available' section lists services like 'Support platform', 'Indicator calculation service', and 'Establish target values'. The 'Important Concepts' section includes four sub-sections: 'Level 1 and Level 2 Reporting', 'National and subnational reporting', 'Water body definitions', and 'Target-based approach to classify water quality'. Each sub-section has a 'Read more' or 'Show more' link.



SDG Water Quality Hub – Resultados

Información de envío

Results - Kenya

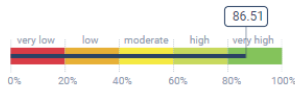
Period considered for the data submitted:
2017 - 2020

Status:
Approved

Data visibility:
National level

Score

Parameters



National summary

2020 data drive

Characteristics	Lake	River	Groundwater
Number of assessed water bodies	6	52	31
Percentage of assessed water bodies with good water quality	33.3 %	90.4 %	90.3 %
Number of monitoring locations	43	75	31

Target values

2020 data drive

Target values are used to compare a measured value to a numerical concentration limit that represents water of good ambient quality. Target values are specific to each water quality parameter and represent concentrations that aim to preserve these ecosystems or to return them to their natural or near-natural condition.

The data below is aggregated based on the target values sheet

LAKES

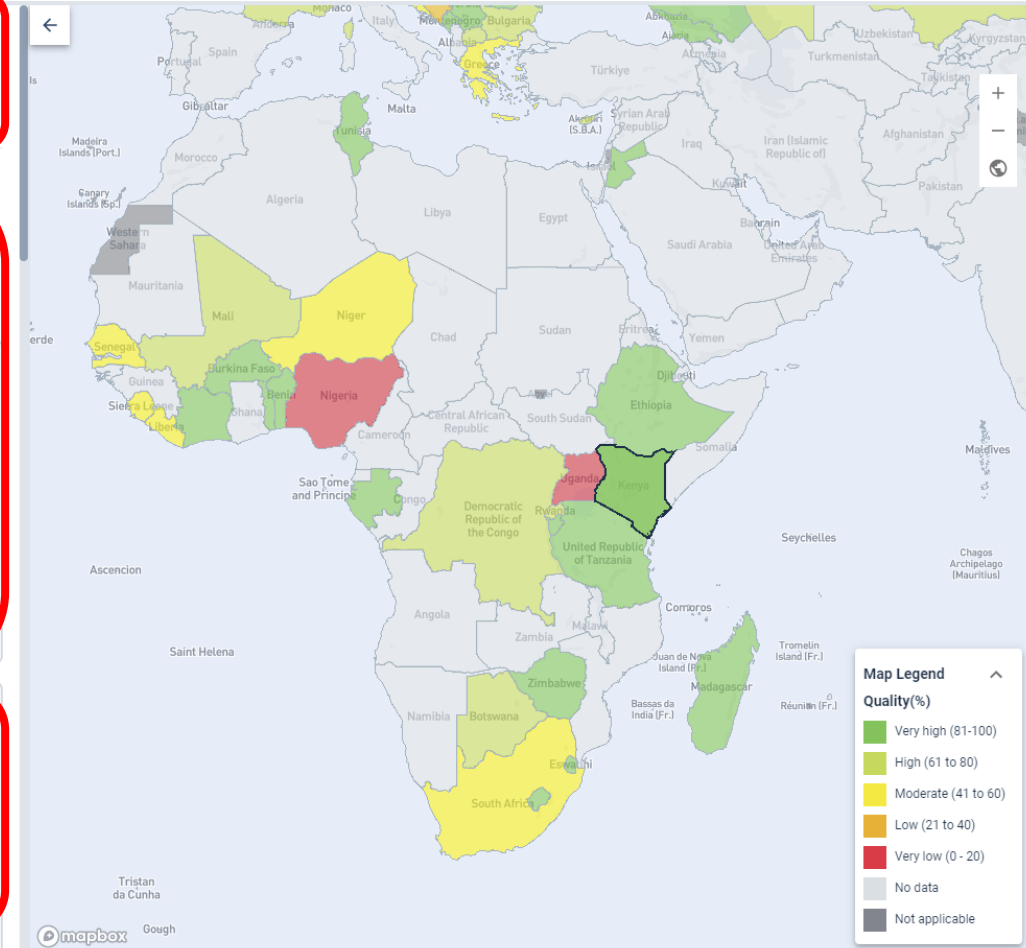
RIVERS

GROUND WATER

Uploaded values found in the target values sheet* suggested as optional minimum range target* suggested as optional maximum range target*

Información resumida nacional

Información sobre el valor objetivo



SDG Water Quality Hub

Mapa del estado de los informes

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Páginas de resultados

Enlace a la página de apoyo

The screenshot shows the SDG Water Quality Hub website interface. At the top right, there is a 'Quick guide' button. A world map displays the reporting status of countries, with a legend indicating 'Reported' (light blue) and 'Not reported' (dark red). Below the map, there is a 'Translate page to other languages' button. The main content area includes a section for 'Sustainable Development Goal 6: Ensure access to water and sanitation for all', with a sub-section for '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'. Below this, there is a 'SDG indicator 6.3.2: Proportion of bodies with good ambient water quality' section. This section contains four main components: 'Submit data for SDG indicator 6.3.2: Level 1', 'Submit data for SDG indicator 6.3.2: Level 2', 'Results' (with buttons for 2017, 2020, and 2023 Results), and 'Support Available'. Below these are 'Important Concepts' sections: '# Level 1 and Level 2 Reporting', 'National and subnational reporting', 'Water body definitions', and 'Target-based approach to classify water quality'. The 'Support Available' section lists: 'Support platform', 'Indicator calculation service', 'Establish target values', and 'Additional support'. The 'Results' section has buttons for '2017 Results', '2020 Results', and '2023 Results'. The 'Support Available' section has a 'Read more' button. The 'Important Concepts' sections have 'Read more' or 'Show more' buttons.



SDG Water Quality Hub – Ayuda

The screenshot shows the 'Support Available' section of the SDG Water Quality Hub website. It features four support categories, each with a description and a link. Red rounded rectangles highlight the English text, and red lines connect them to Spanish translations in another set of red rounded rectangles below. The Spanish translations are: 'Enlace a la plataforma de apoyo' (linked to Support Platform), 'Servicio de cálculo de indicadores' (linked to Indicator Calculation Service), 'Apoyo al valor objetivo' (linked to Target Values Support), and 'Apoyo adicional' (linked to Additional Support).

Support Available

- Support Platform**
The Support Platform contains introductory and technical documents and videos as well as country case studies and reports.
<https://communities.unep.org/display/sdg632/Documents+and+Materials>
- Indicator Calculation Service**
UNEP GEMS/Water provides an indicator calculation service. The indicator will be calculated and returned to the country focal point for validation.
This iterative process between the country focal point and GEMS/Water involves working together to establish suitable target threshold values and hydrological units (water bodies and RBDs). The indicator is then calculated using the available national data.
The most straightforward way to avail of this service is for the national water quality data to be added to GEMStat, GEMS/Waters' Global Water Quality Database.
- Target Values Support**
Setting suitable target threshold values to be used in the indicator calculation is a significant challenge for most countries.
A technical guidance document is available on the [support platform](#), but more in-depth support and guidance can be provided through the Help Desk.
SDG632@un.org
- Additional Support**
Please contact the SDG 632 Help Desk if you have any queries or need further information.
SDG632@un.org
GEMS/Water's Capacity Development Centre has online courses available on freshwater quality monitoring and assessment including short 12-week continuous professional development courses, a Postgraduate Diploma and Master's Degree Programmes.
<https://www.ucc.ie/en/gemscdc/>
Free online courses on freshwater quality monitoring and assessment are available on UNEP's eLearning platform.
https://elearning.unep.org/course/search.php?reads=core_course-course&q=water

Enlace a la plataforma de apoyo

Servicio de cálculo de indicadores

Apoyo al valor objetivo

Apoyo adicional

SDG Water Quality Hub

Mapa del estado de los informes

Botón de traducción

Guía de inicio rápido

Preparación del envío

Páginas de resultados

Enlace a la página de apoyo

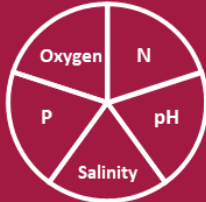













Conceptos importantes

The screenshot shows the SDG Water Quality Hub website interface. At the top right, there is a 'Quick guide' button. Below the header, a world map displays the reporting status of various countries, with a legend indicating 'Reported' (light blue) and 'Not reported' (dark red). A 'Translate page to other languages' button is located below the map. The main content area includes a section for 'Sustainable Development Goal 6: Ensure access to water and sanitation for all', with a sub-section for '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'. Below this, there are four columns: 'Submit data for SDG indicator 6.3.2: Level 1', 'Submit data for SDG indicator 6.3.2: Level 2', 'Results' (with buttons for 2017, 2020, and 2023), and 'Support Available'. The bottom section is titled 'Important Concepts' and contains four articles: '# Level 1 and Level 2 Reporting', 'National and subnational reporting', 'Water body definitions', and 'Target-based approach to classify water quality'. Red callout boxes connect the text on the left to these specific elements on the website.

<https://sdg632hub.org/>

Informes de nivel 2

- Opcional
- 2023: primera vez que se pide a los países que informen a Nivel 2
- Plantilla de informe independiente
- Se realiza en paralelo o en secuencia con los informes de Nivel 1.
- Flexible por diseño
- Desarrollado en respuesta a los comentarios recibidos anteriormente de los países miembros
- Nuevo documento técnico

Informes Nivel	Nivel 1	Nivel 2
Tipo de recopilación de datos	Sólo in situ	In situ o a distancia
Tipo de datos	 <p>Fisicoquímico</p>	<p>Fisico-químico</p>  <p>  Biológico / Ecosistema </p> <p>  Patógenos </p>
Datos Fuente	<p>Programa nacional de seguimiento</p>  <p>  Sector privado </p> <p>  Académico sector </p> <p>  Ciudadano </p>	<p>National monitoring programme</p>  <p>  Sector privado </p> <p>  Académico sector </p> <p>  Ciudadano </p> <p>  Observación de la Tierra </p> <p>  Modelos </p>

¿Qué son los informes de nivel 2?

Nivel 1

mantiene la comparabilidad global

cubre los parámetros relevantes a escala mundial

su alcance es limitado y no puede representar todas las presiones sobre la calidad del agua dulce

Nivel 2

ofrece la oportunidad de comunicar cualquier dato sobre la calidad del agua

informar sobre parámetros y utilizar enfoques que se ajusten a la capacidad nacional

proporciona flexibilidad para informar más allá del Nivel 1

y centrarse en los problemas de calidad del agua que puedan ser importantes a nivel local, nacional o regional

What is Level 2 Reporting?

Nivel 1

mantiene la comparabilidad global

cubre los parámetros relevantes a escala mundial

su alcance es limitado y no puede representar todas las presiones sobre la calidad del agua dulce

Nivel 2

ofrece la oportunidad de comunicar cualquier dato sobre la calidad del agua

informar sobre parámetros y utilizar enfoques que se ajusten a la capacidad nacional

proporciona flexibilidad para informar más allá del Nivel 1

y centrarse en los problemas de calidad del agua que puedan ser importantes a nivel local, nacional o regional

Subindicadores

Indicador ODS 6.3.2

Nivel 1

Nivel 2

Nivel 1 WQI

Físico-químico

Biológico / Ecosistema

Patógenos

Nitrógeno

Fósforo

Oxígeno

Acidificación

Salinización

Temperatura

Sólidos en suspensión / turbidez

Clorofila a

Metales pesados

Pesticidas

Productos farmacéuticos

Plásticos

Otros orgánicos

Otros parámetros de relevancia nacional

Macroinvertebrados

Pescado

Fitoplancton

Macrófitos

Fitobentos

Macroalgas

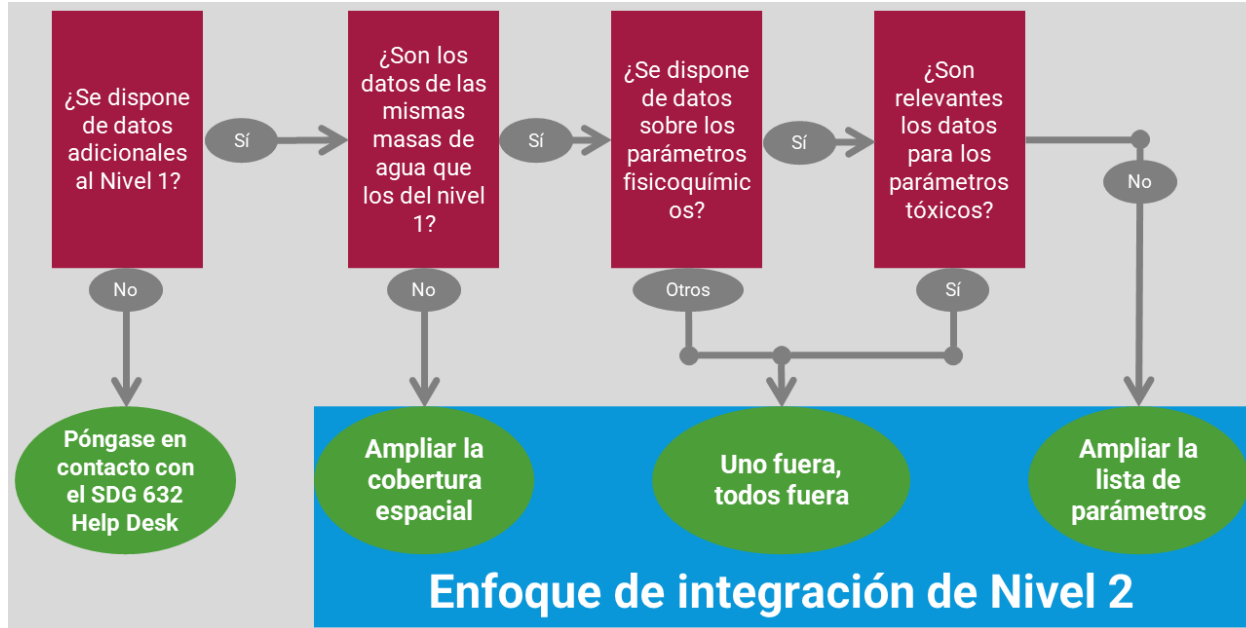
Estado trófico

Bacterias

Virus

Protozoos

Diferentes enfoques de la integración



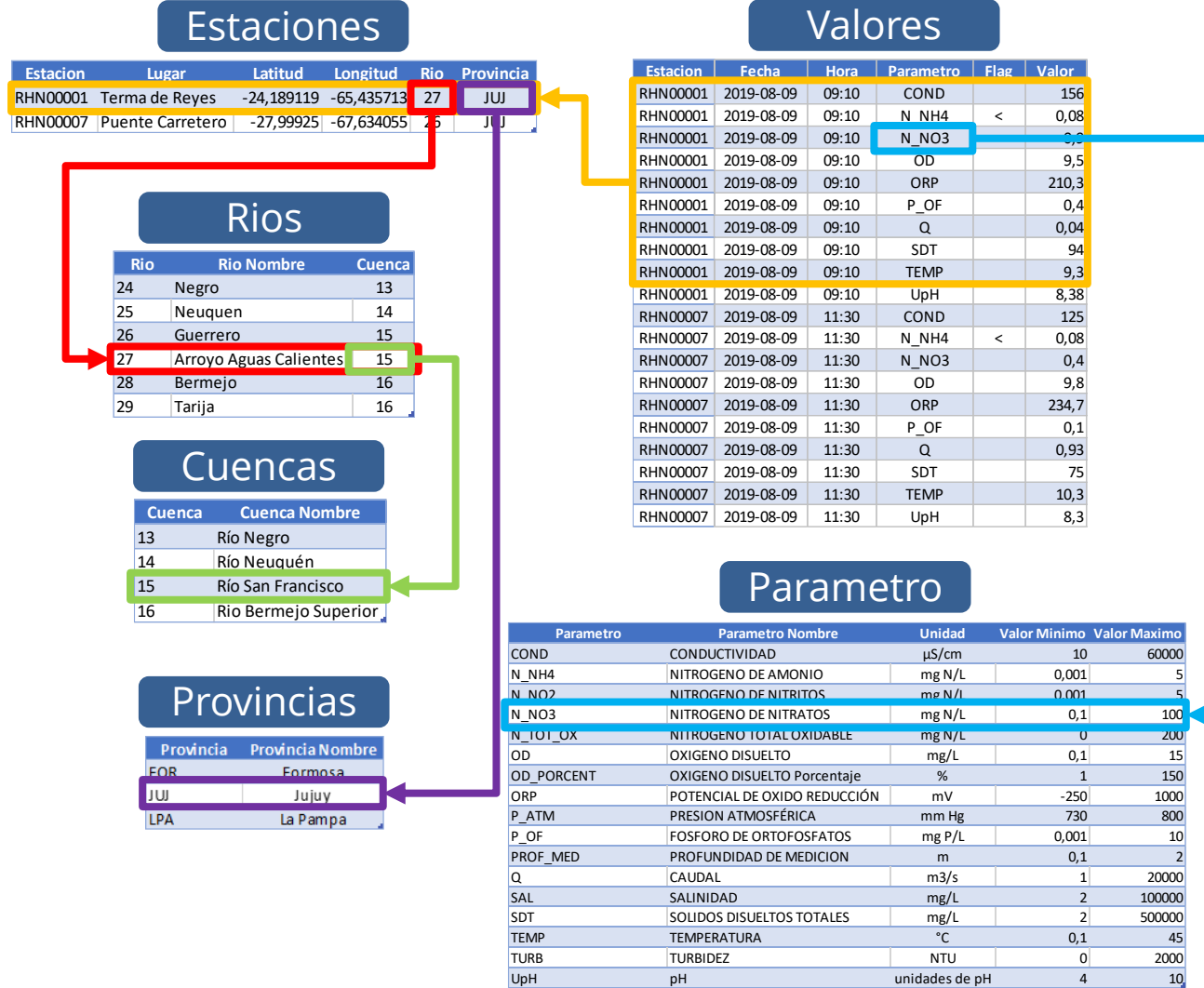
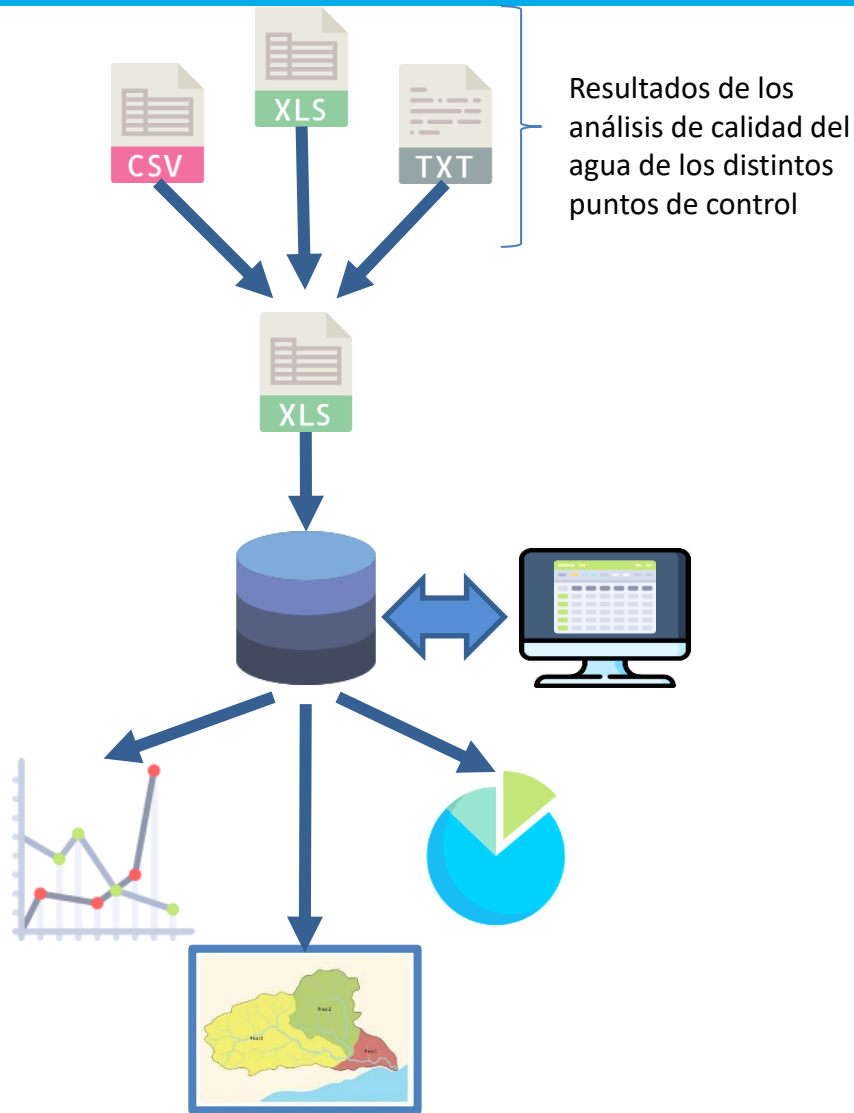
- Lanzamiento de la campaña de datos 2023
- Fecha límite: 1 de octubre
- 97 países informaron, los países de bajos ingresos informan menos masas de agua
- Disponible el nuevo SDG Water Quality Hub
- Por primera vez, los países tienen la opción de informar en el Nivel 2



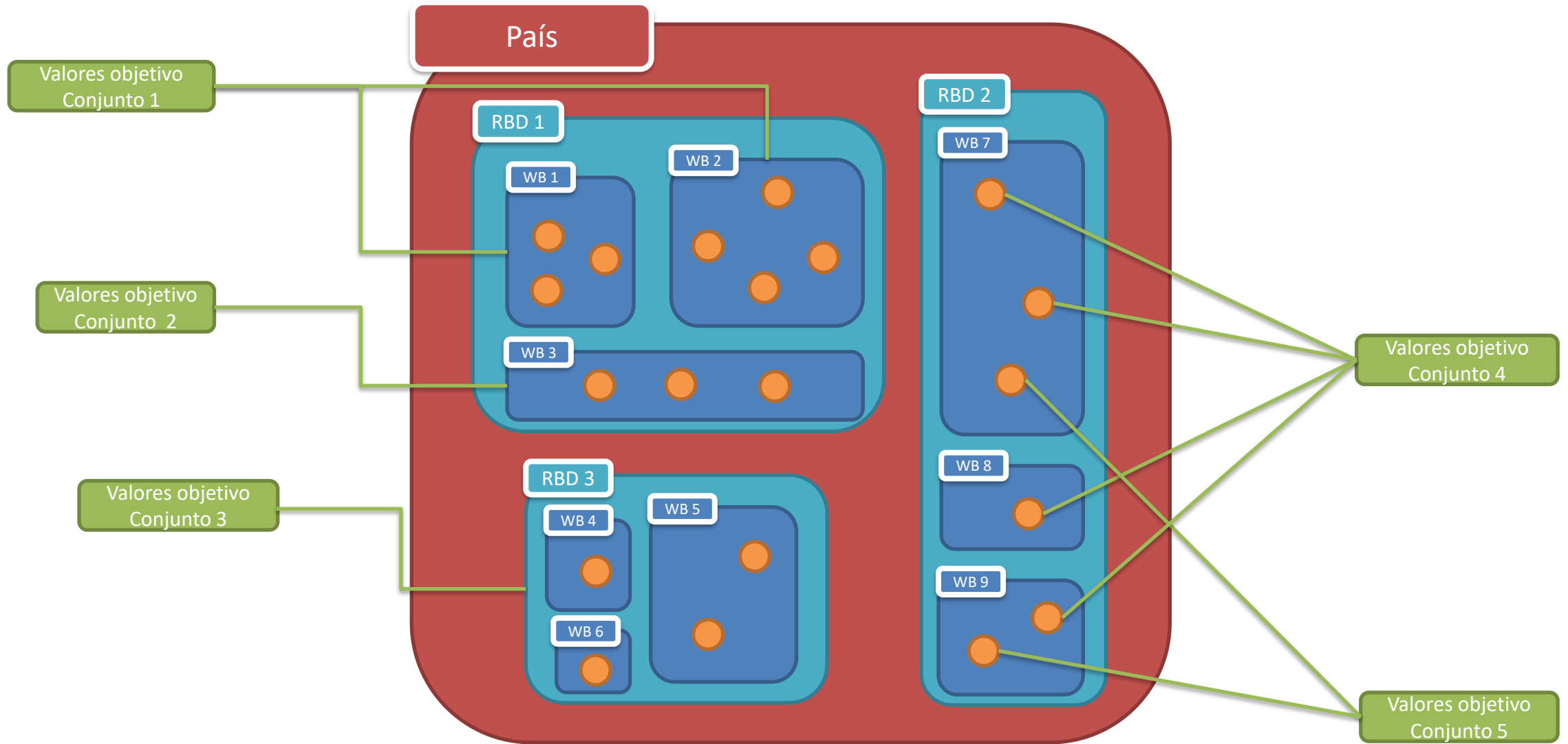
Colaboración con Argentina en la gestión de datos

- Personal técnico de la **Secretaría de Infraestructura y Política Hídrica** de Argentina realizó un Diploma de Posgrado en “Monitoreo y Evaluación de la Calidad del Agua Dulce” ofrecido por el **GEMS/Water Centro de Desarrollo de Capacidades** que incluye un módulo sobre **Gestión de Datos**.
- Utilizando este conocimiento, en colaboración con el **GEMS/Water Data Centre**, se diseñó una base de datos para almacenar información sobre la calidad del agua de la red nacional de monitoreo de Argentina.
- El objetivo de este proyecto era:
 - almacenar los datos de calidad del agua de forma centralizada,
 - permitir una gestión eficiente de los datos y
 - aumentar el potencial analítico para las evaluaciones nacionales, como los informes del Indicador 6.3.2 de los ODS.
- La base de datos permite la agrupación rápida de datos con respecto a masas de agua, cuencas, sistemas fluviales, así como límites políticos: provincias, departamentos y distritos.

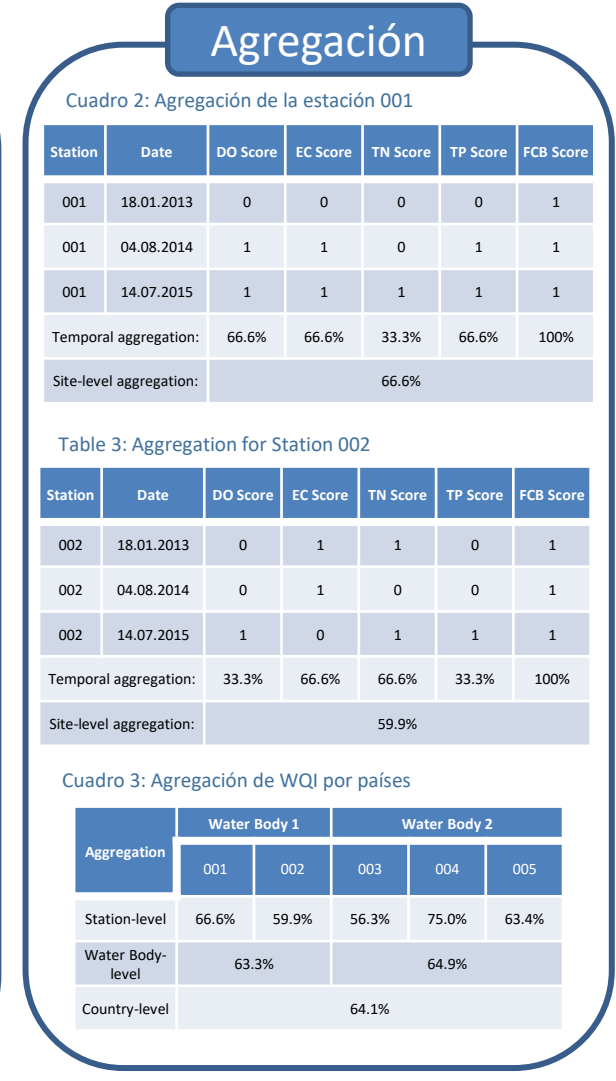
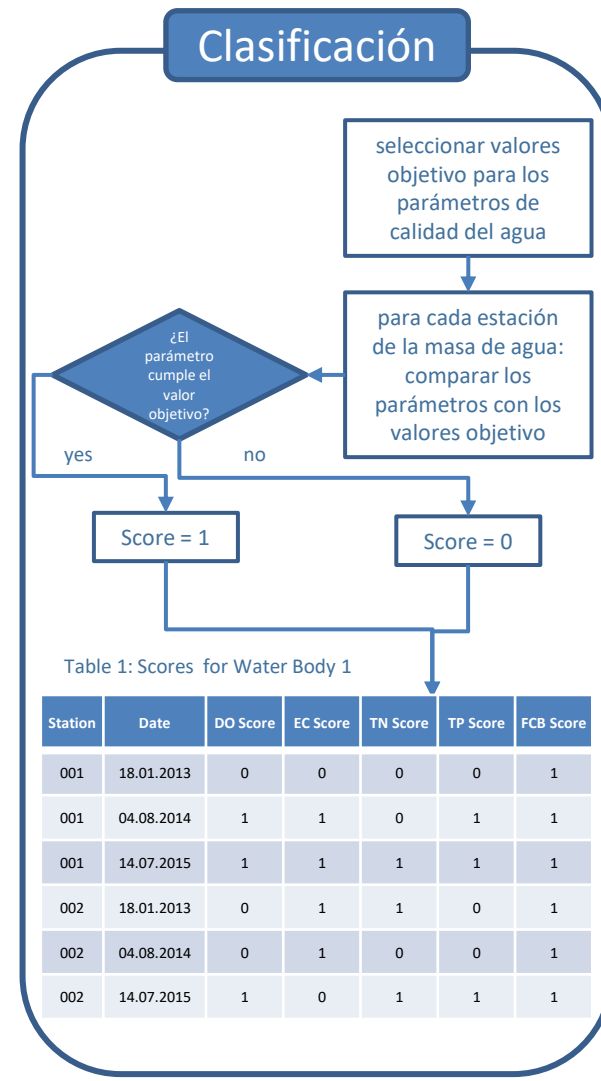
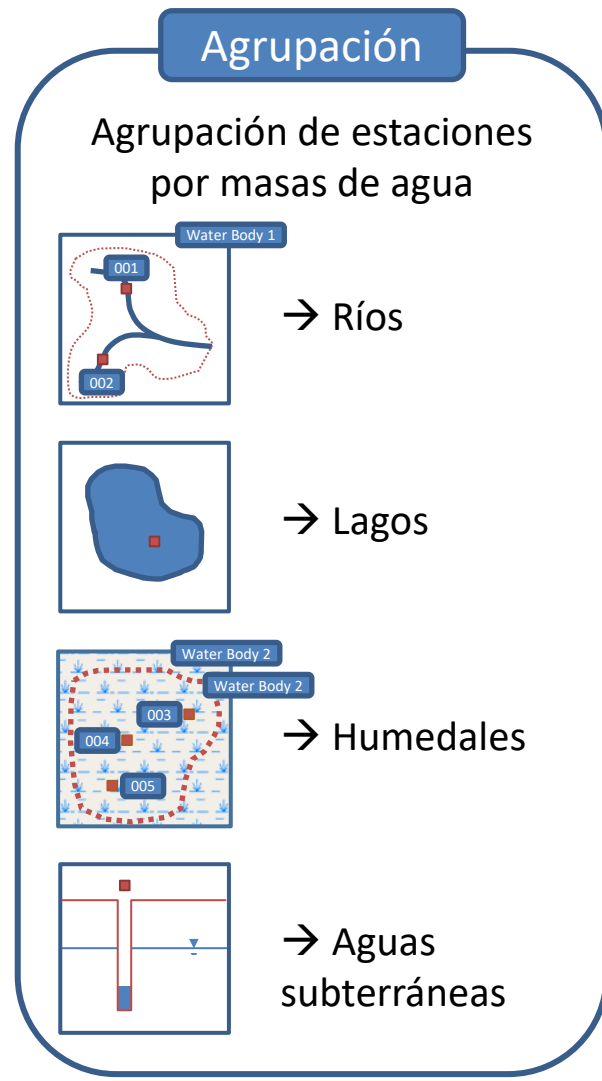
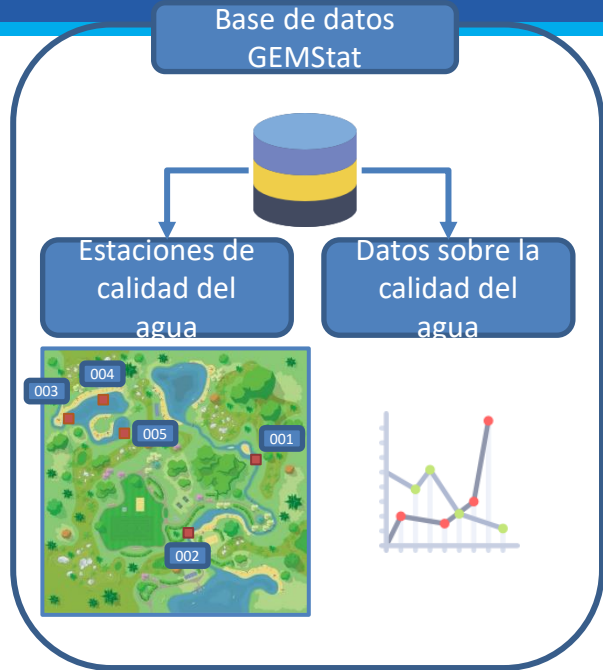
Almacenamiento de datos centralizado "BICA RHN" con estructura de datos referencial



Fijación de valores objetivo individuales



Flujo de trabajo para el cálculo de indicadores



¿Preguntas o aclaraciones?

Muchas gracias

Más información:

Último informe de situación disponible en español :

<https://www.unwater.org/publications/progress-on-ambient-water-quality-632-2021-update/>

- Contact: SDG632@un.org
- SDG Water Quality Hub: <https://sdg632hub.org/>

