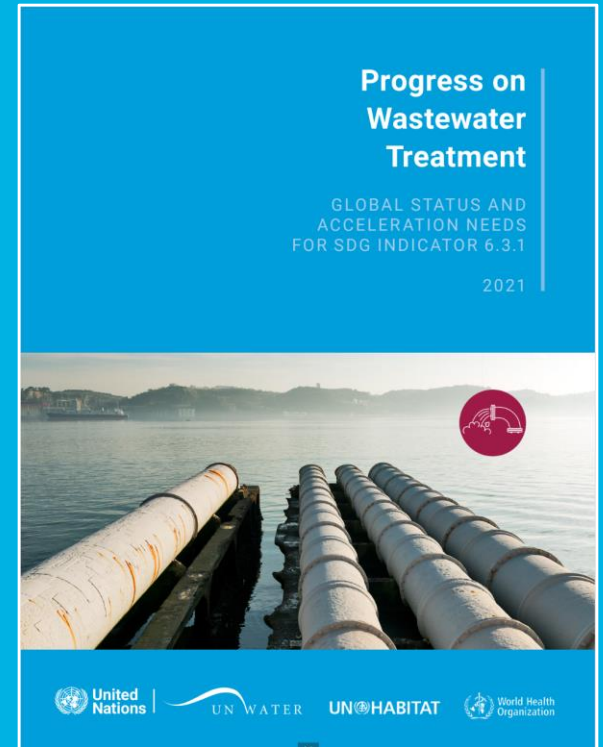


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*A better quality of life for all
in an urbanizing world*

Progress on Wastewater Treatment 2021 Update

Series of SDG Webinars for the Arab Region



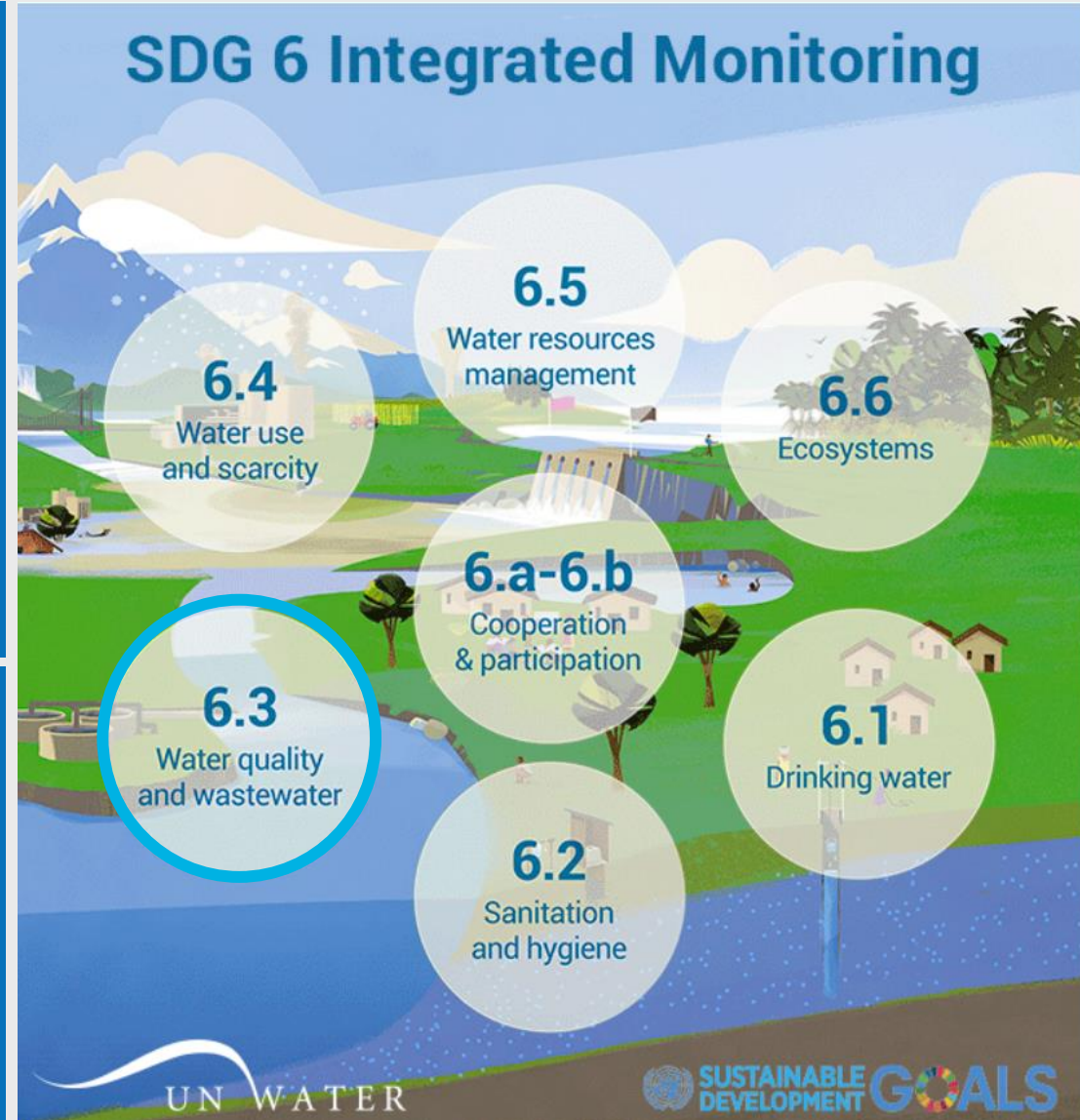
Presentation by: Florian Thevenon
Date: 19 April 2022

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SDG Target 6.3: Indicators 6.3.1 and 6.3.2

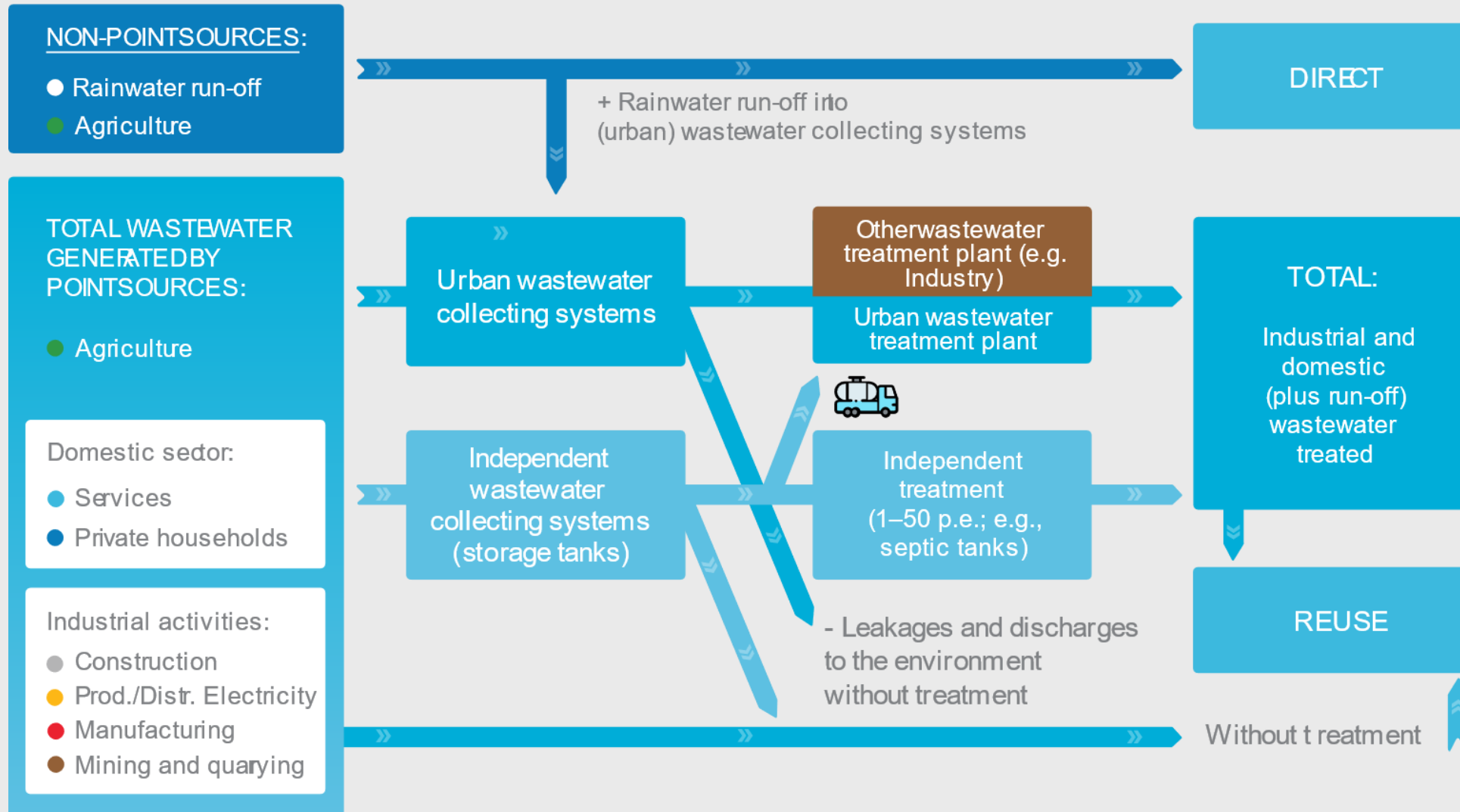
“By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing the release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally”.

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



Methodology to monitor indicator 6.3.1

Wastewater sources → Collecting systems → Treatments → Discharges



Disaggregation of generated (ISIC) and treated flows

Wastewater generated by:

Agriculture, forestry
fishing

Mining and quarrying

Manufacturing

Electricity
(excluding cooling water)

Construction

Other economic (services)

Households

Wastewater treated in:

Other treatment plants
(including industrial)

Urban wastewater
treatment plants

Independent
treatment facilities
(including septic tanks)

Tertiary treatment

Secondary treatment

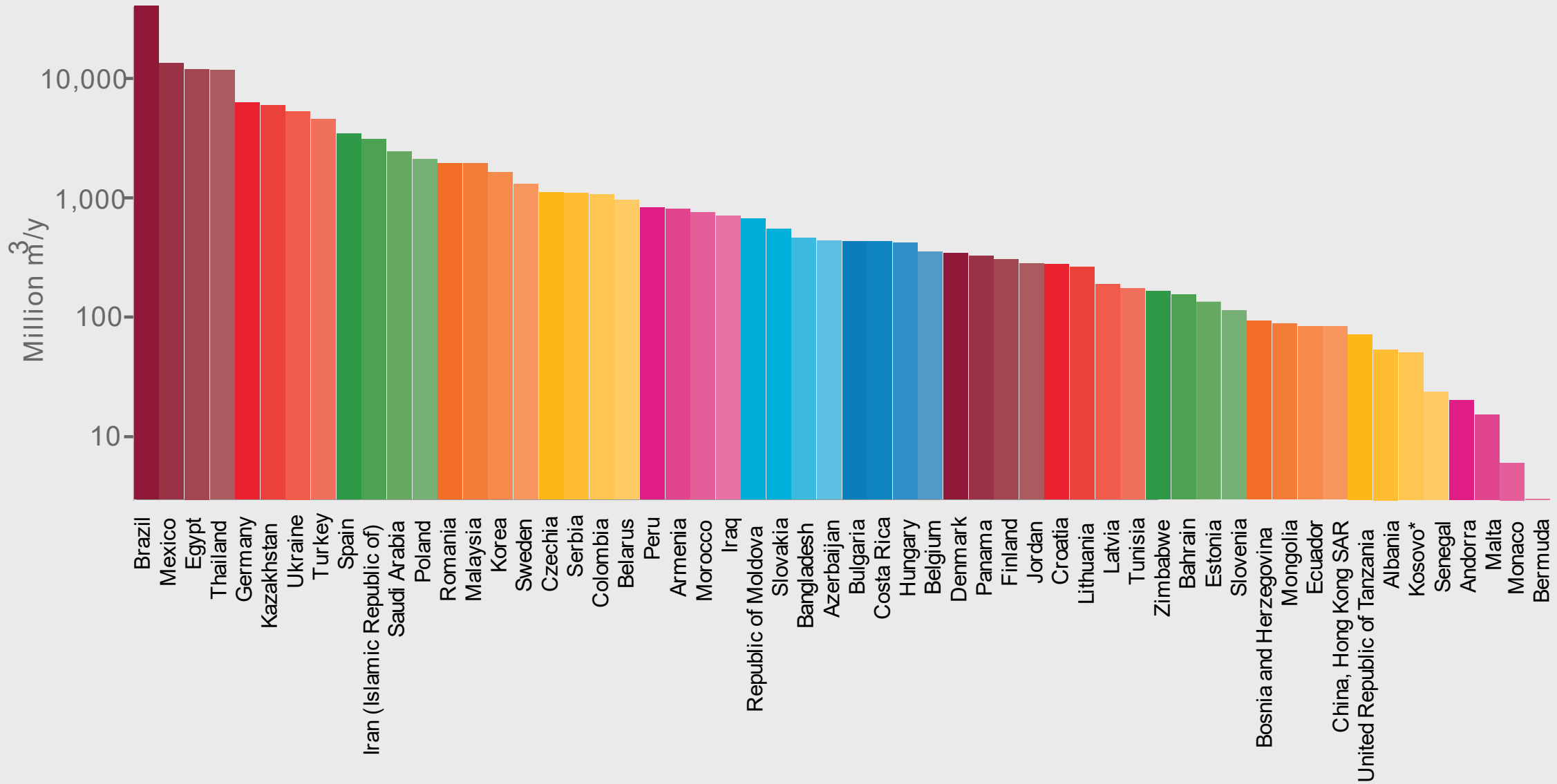
Primary treatment

Tertiary treatment

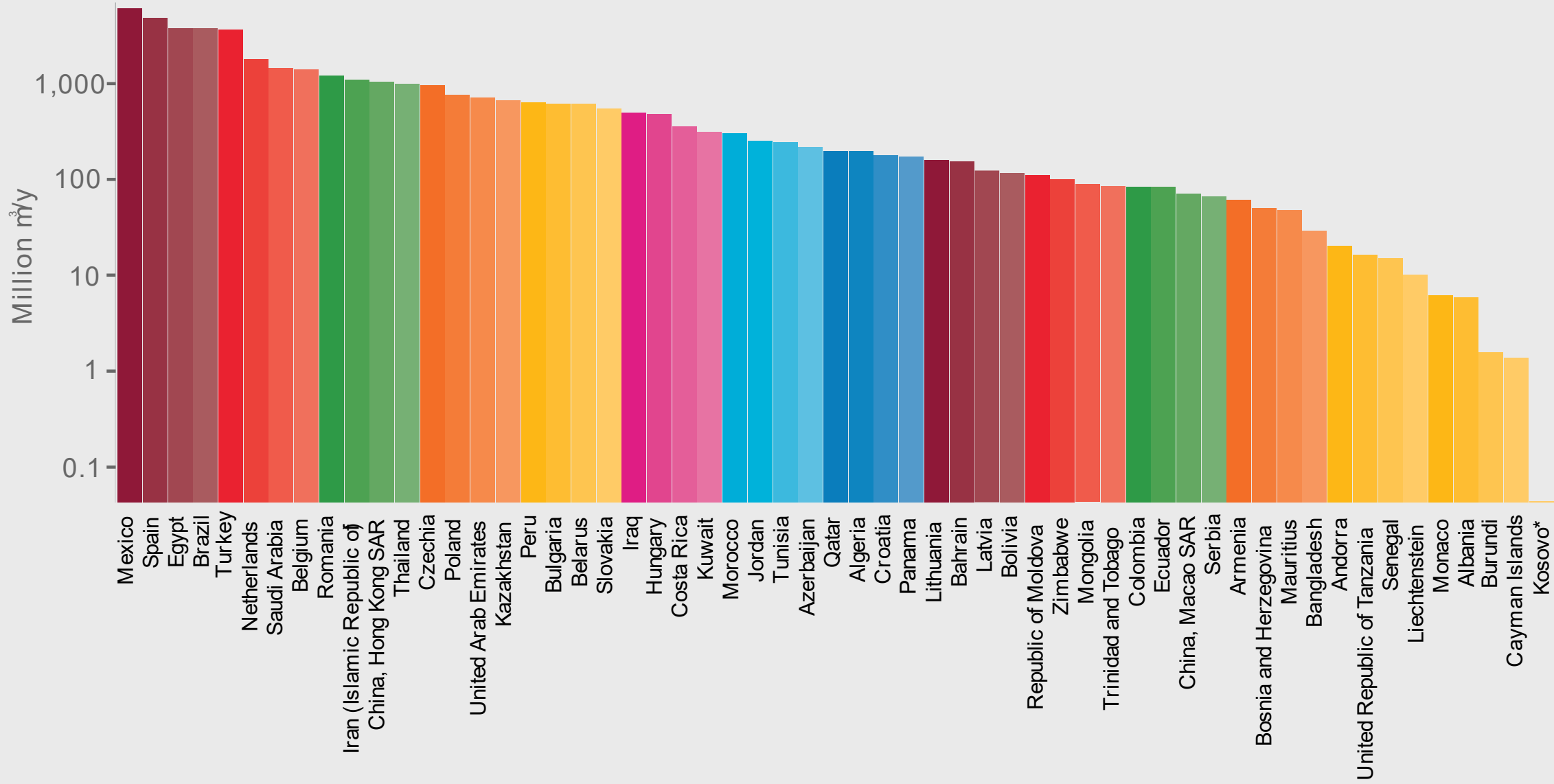
Secondary treatment

Primary treatment

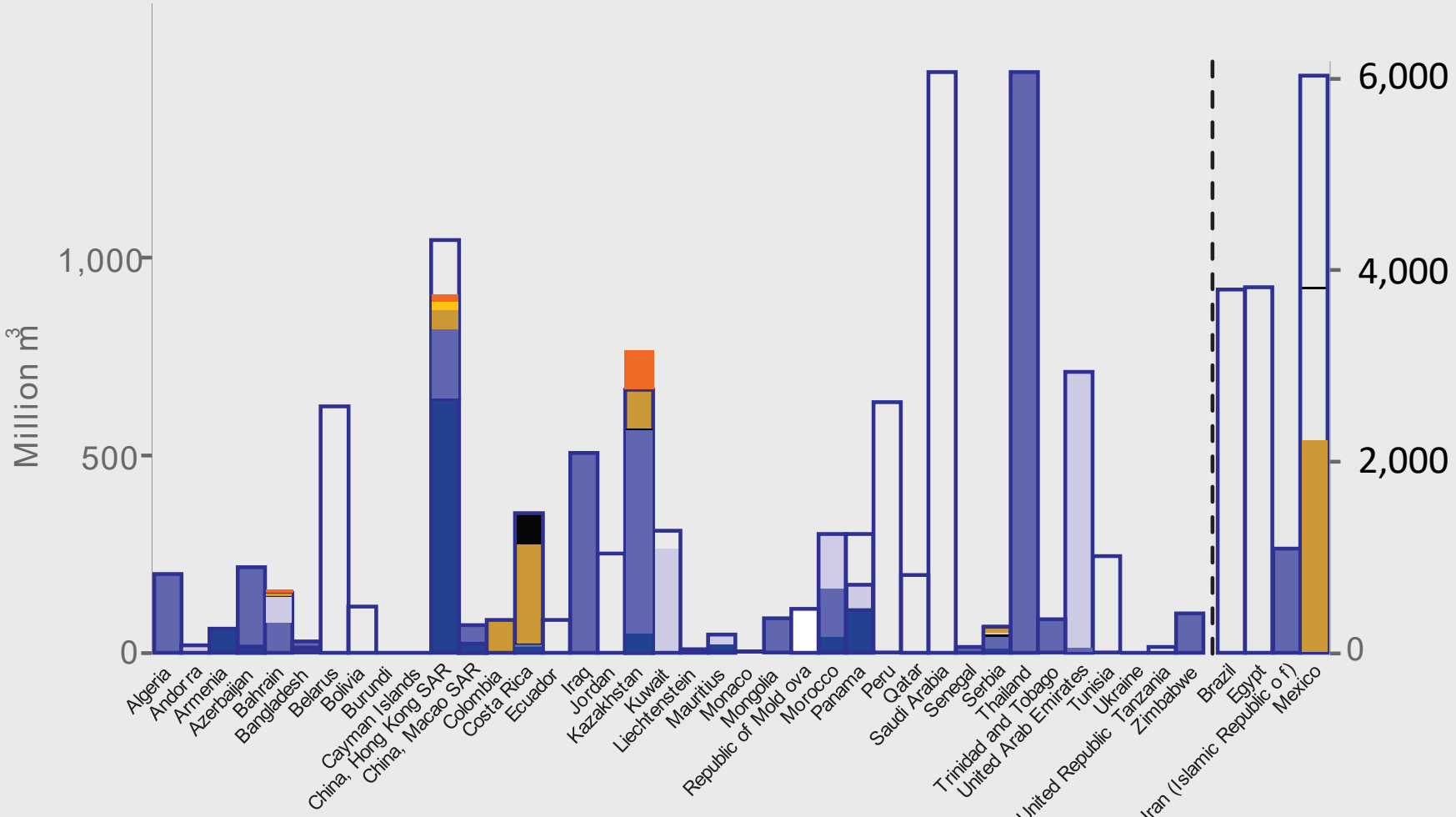
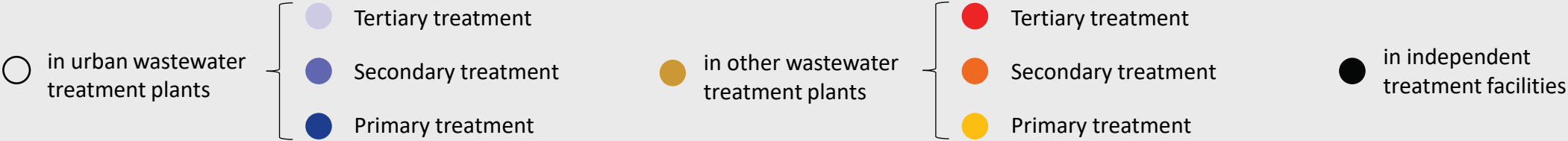
Total wastewater flow generated in 2015 (132 Bcm)



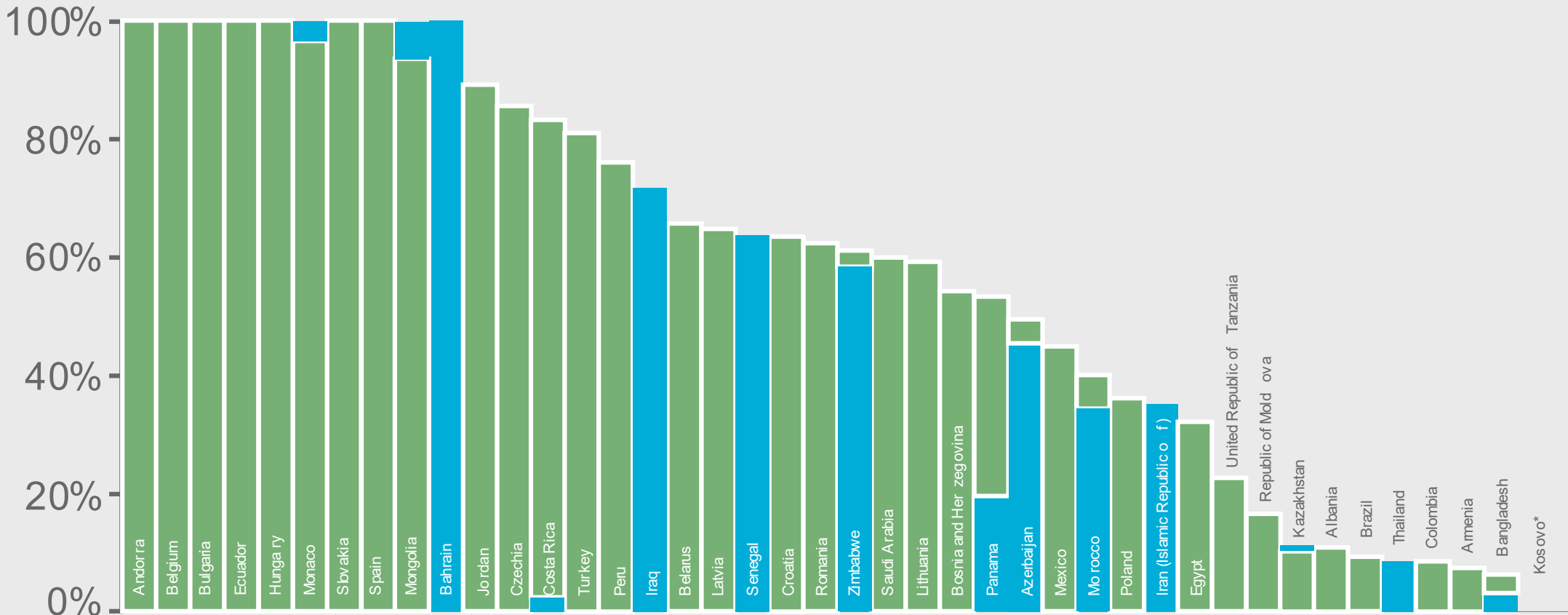
Total wastewater flow treated in 2015 (42 Bcm)



Disaggregation of the flows of wastewater treated

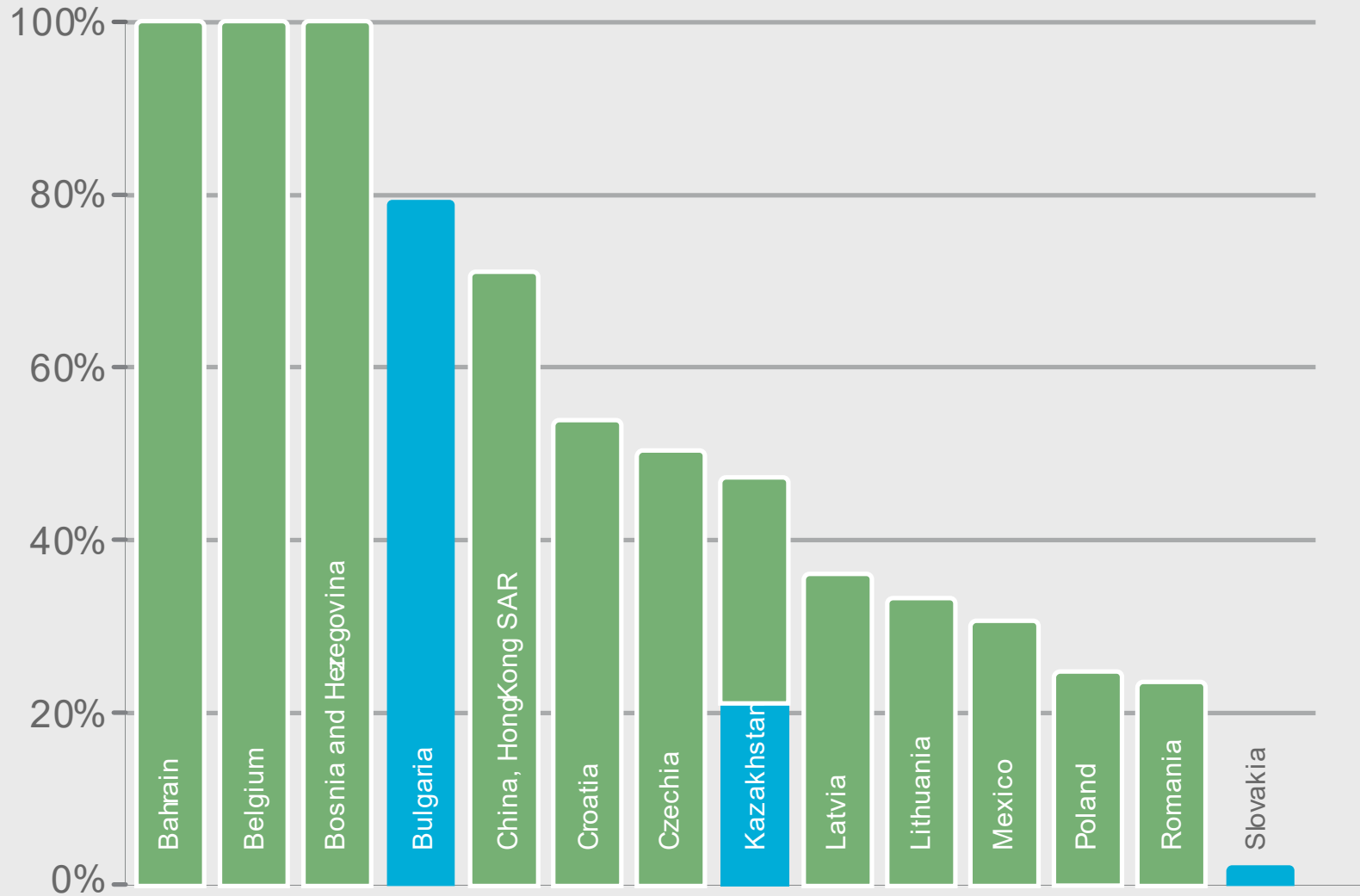


Proportion of total wastewater flow treated: 32%



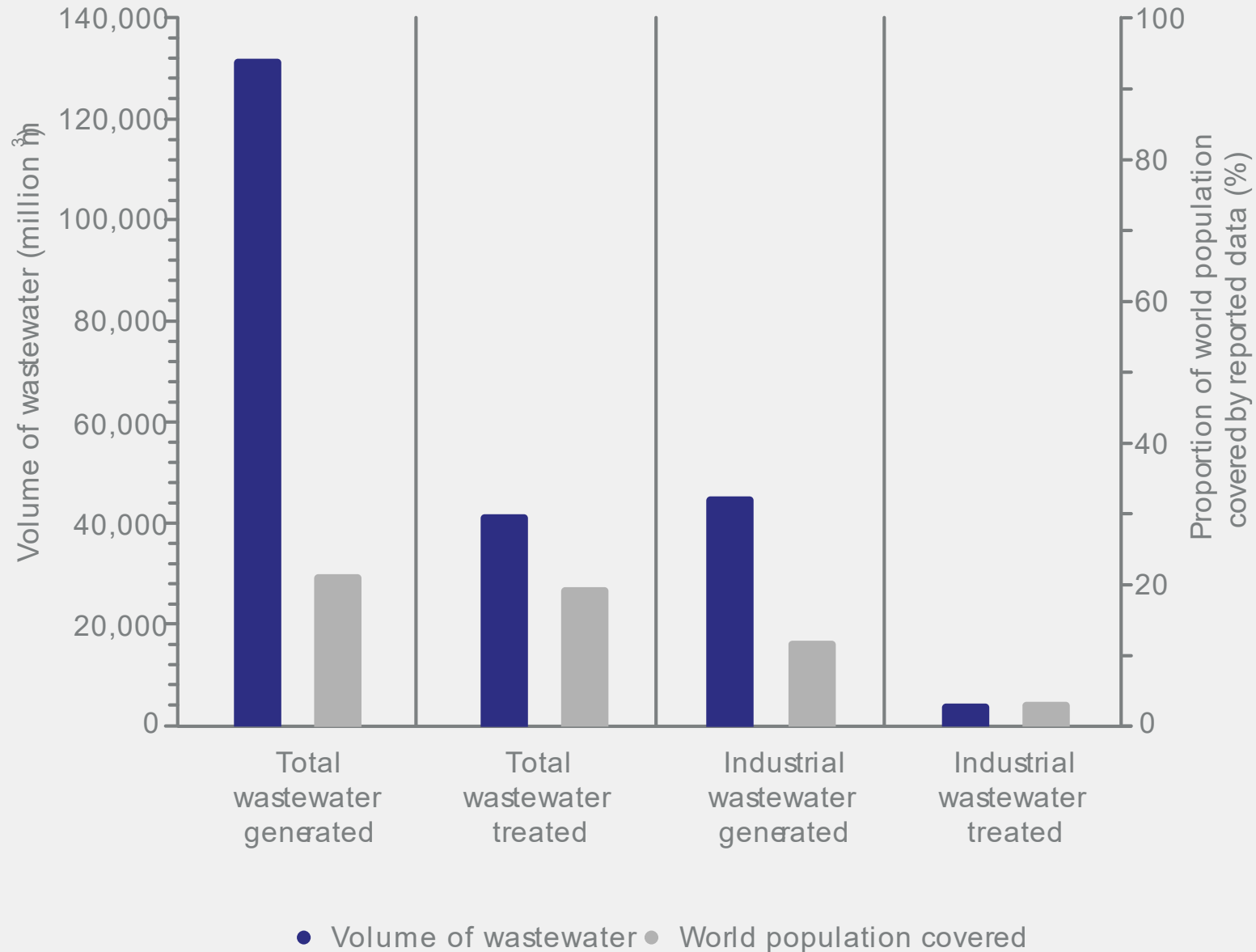
● Percentage of total wastewater treated ● Percentage of total wastewater safely treated

Proportion of industrial flow treated: 30%

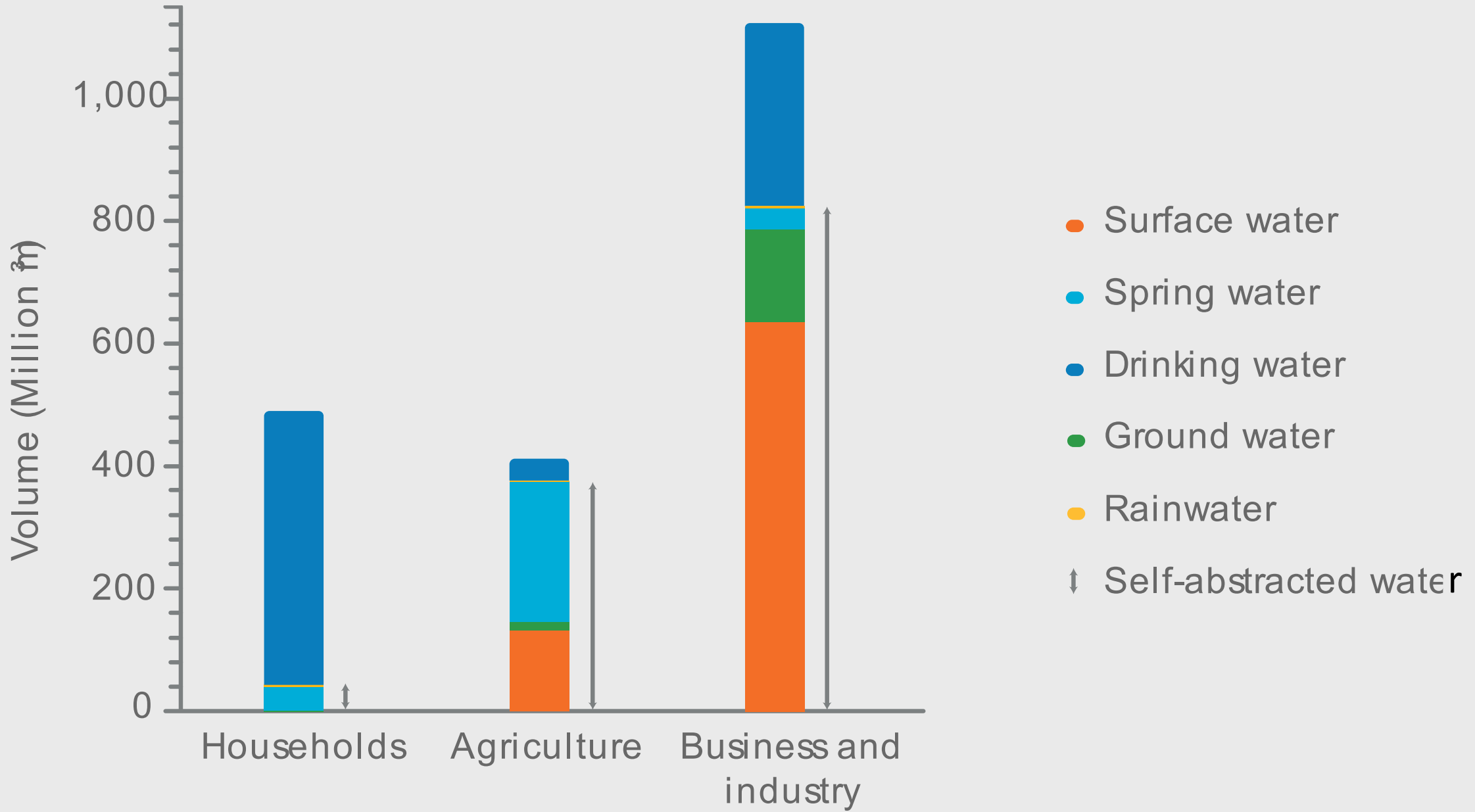


- Percentage of industrial wastewater treated
- Percentage of industrial wastewater safely treated

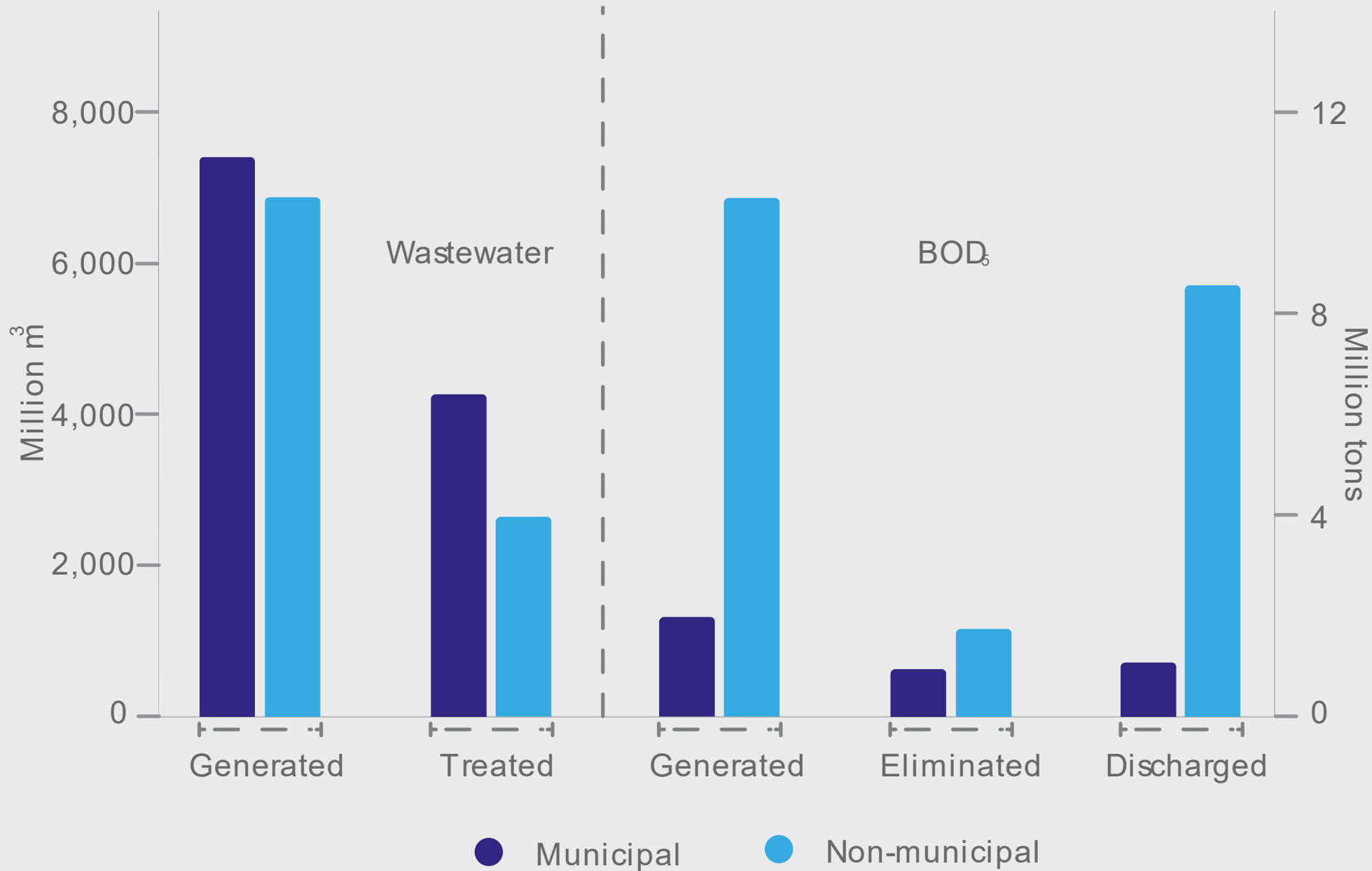
Insufficient data for regional and global estimates



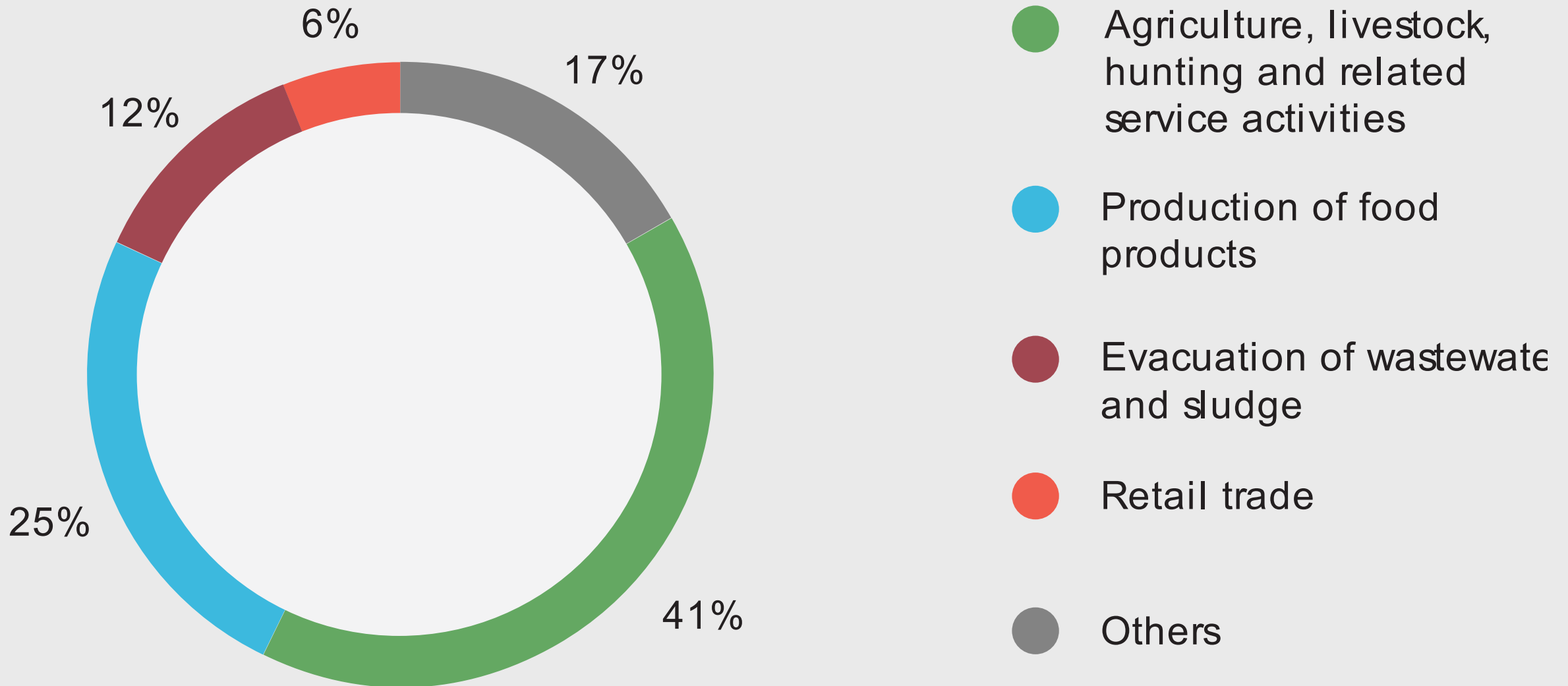
Non-reported water consumption (Switzerland)



Importance of non-municipal sources (Mexico)

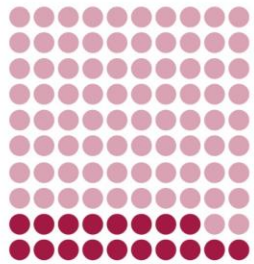


Loads of BOD by economic activities (Costa Rica)






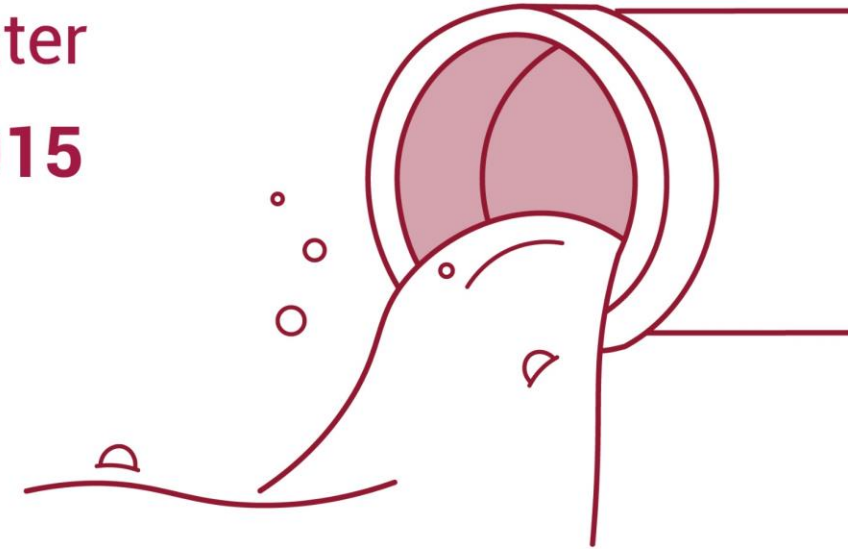
SDG 6.3.1 WASTEWATER



Only
42
countries

reported statistics on wastewater generation and treatment in **2015**

These **limited data** suggest that about a $\frac{1}{3}$  of total or industrial wastewater **received treatment** before discharge





United Nations



- Home
- Snapshots
- Maps
- Charts
- Tables
- Data lab
- About
- How to use

VIEW SELECTION

RESET

Select a specific country (or areas) or region to display data for, or the whole world

- World
- Region
- Country (or area)
- Basin

SDG regions

- Latin America and the Caribbean
- Europe and Northern America
- Oceania (excluding Australia and New Zealand)
- Sub-Saharan Africa
- Northern Africa and Western Asia

Select an indicator to display data

Water

- Drinking Water
- Sanitation and hygiene
- Water quality and wastewater

6.3.1 Proportion of wastewater flow (safely) treated

Total

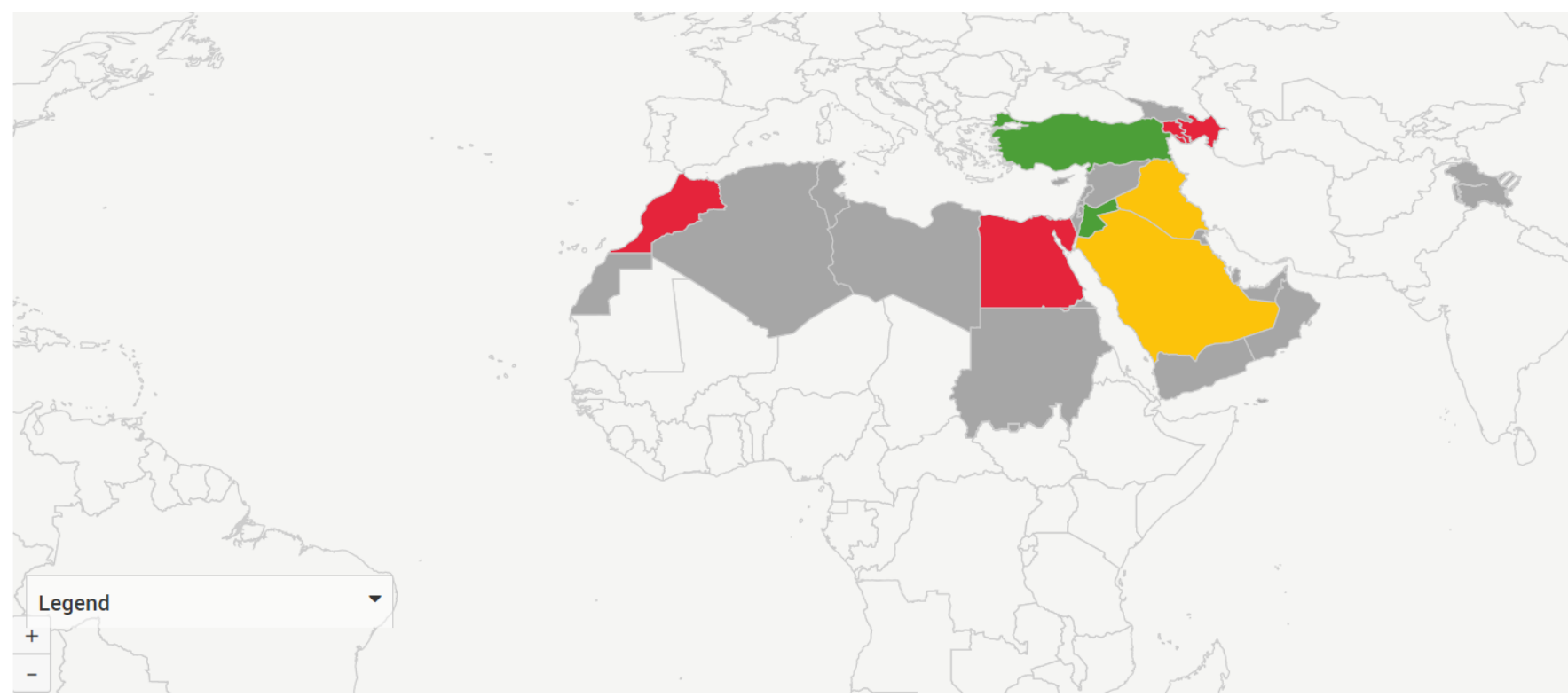
Total

6.3.1 Proportion of wastewater flow (safely) treated > Total > Total

SDG regions > Northern Africa and Western Asia

type here..

6.3.1 Proportion of wastewater flow (safely) treated > Total > Total

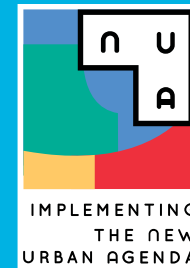


An aerial photograph of a wastewater treatment plant. On the left is a large circular clarifier with a central metal structure. To the right are several rectangular aeration tanks containing brown, aerated water. The entire facility is surrounded by green grass.

**NEED TO IMPROVE WASTEWATER MANAGEMENT
MEANS TO IMPROVE WASTEWATER MONITORING!**

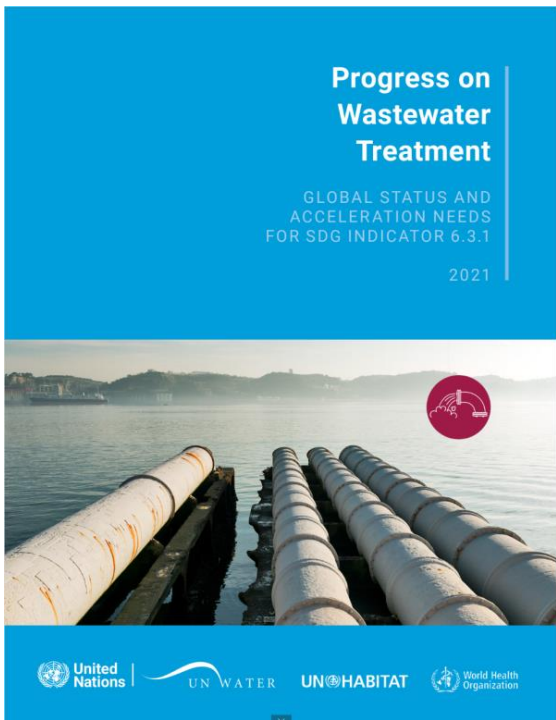
Thank you

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References and links



Methodology: <https://unstats.un.org/sdgs/metadata/>

UN Water: <https://www.unwater.org/publications/>

UNSD: https://unstats.un.org/unsd/envstats/country_files

Eurostat: <https://ec.europa.eu/eurostat/web/environment/water>

OECD: https://stats.oecd.org/index.aspx?DataSetCode=water_treat

SDG 6 data portal: <https://sdg6data.org/indicator/6.3.1>