

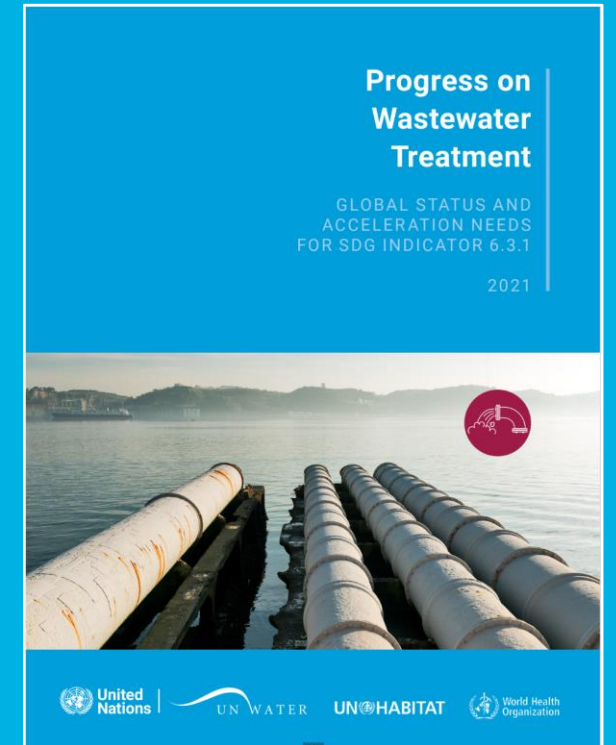


*A better quality of life for all  
in an urbanizing world*

# Progress on Wastewater Monitoring SDG indicator 6.3.1

## Wastewater Monitoring and Data Management

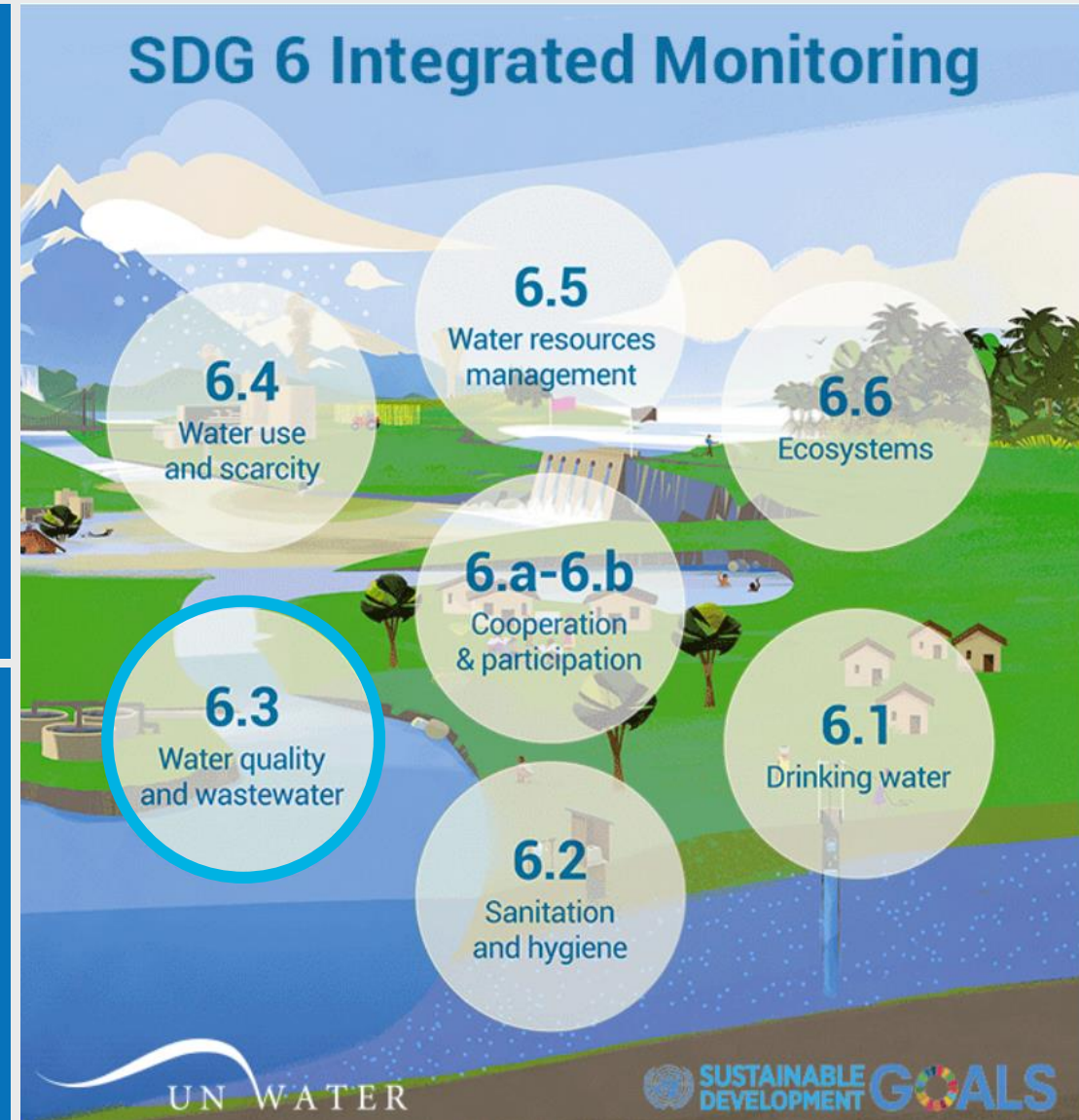
Jose Luis Martin Bordes, Consultor UN-Habitat  
V InterCODIA, 27-29 julio de 2022, Cartagena de Indias, Colombia



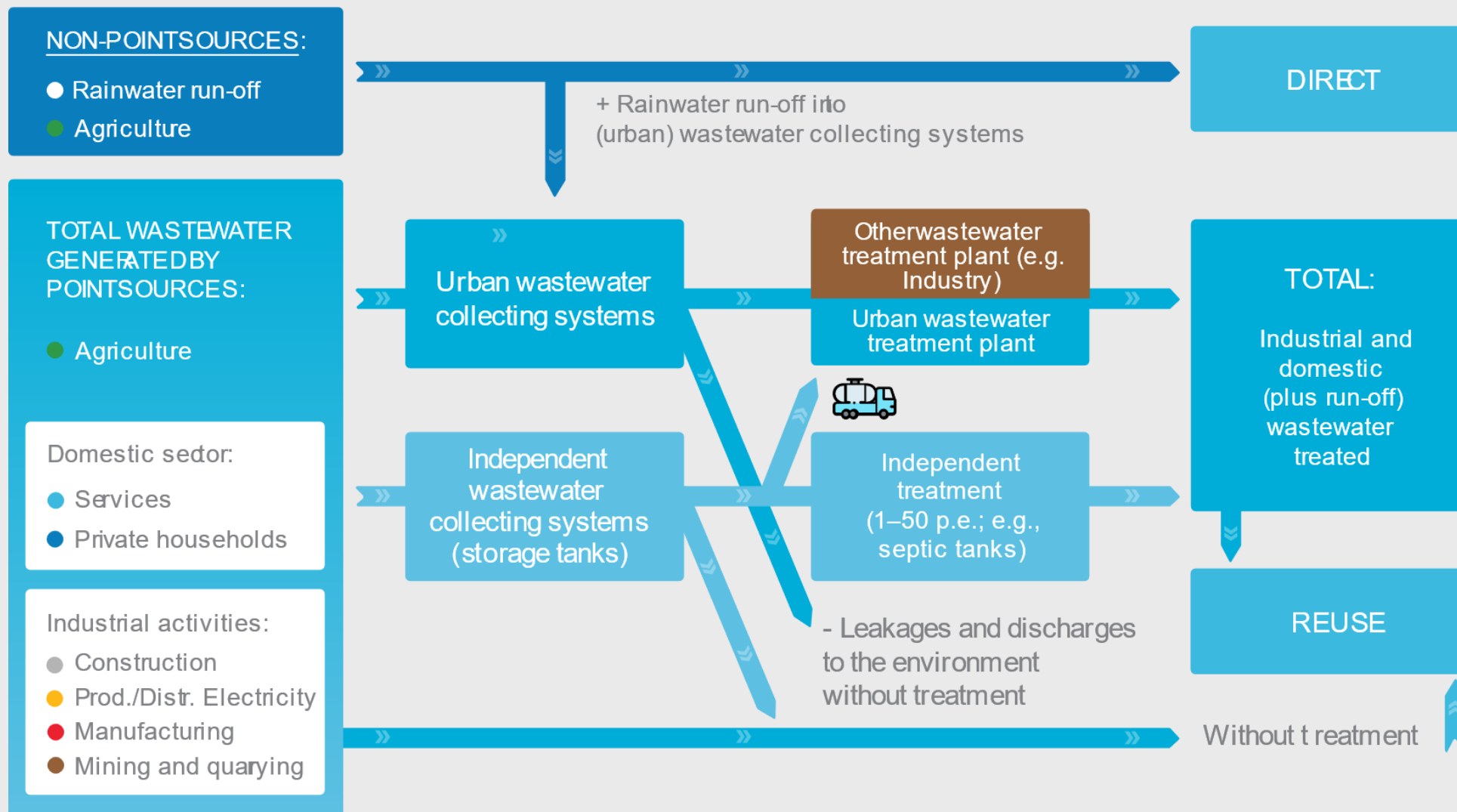
# SDG Target 6.3: Indicators 6.3.1 and 6.3.2

“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



# Disaggregation of generated (ISIC) and treated flows

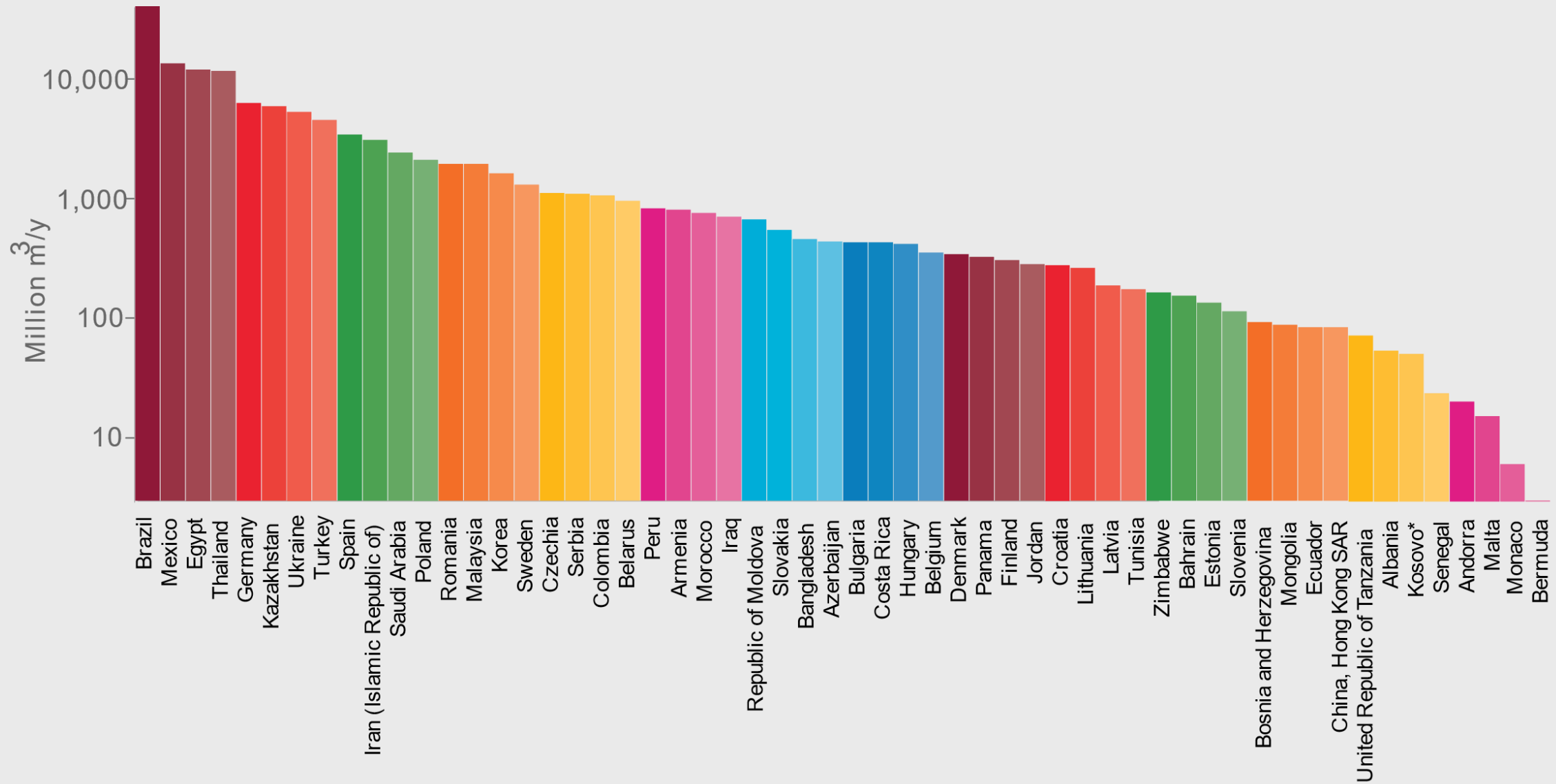
Wasterwater generated by:

- Agriculture, forestry fishing
- Mining and quarrying
- Manufacturing
- Electricity (excluding cooling water)
- Construction
- Other economic services
- Households

Wasterwater treated in:

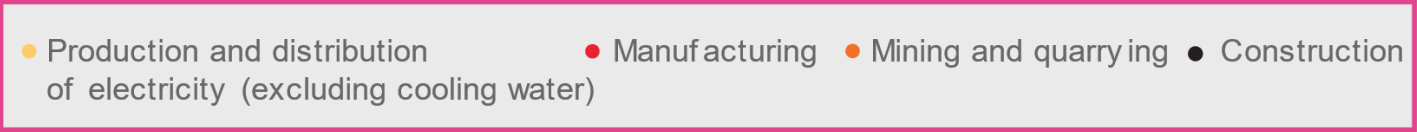
- Other treatment plants (including industrial)
  - Tertiary treatment
  - Secondary treatment
  - Primary treatment
- Urban wastewater treatment plants
  - Tertiary treatment
  - Secondary treatment
  - Primary treatment
- Independent treatment facilities (including septic tanks)

# Total wastewater flow generated in 2015 (132 Bcm)

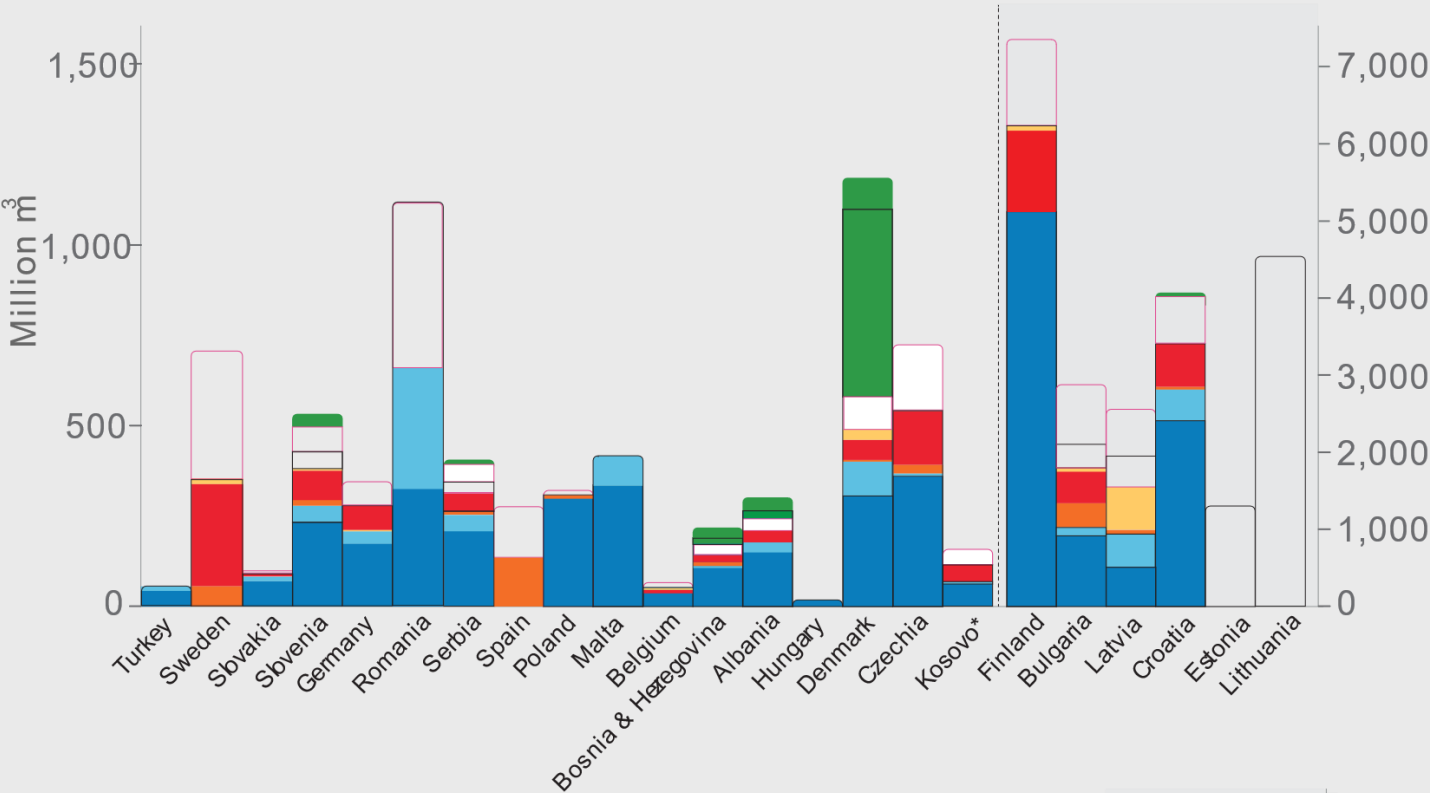


# Disaggregation of the flows of wastewater generated

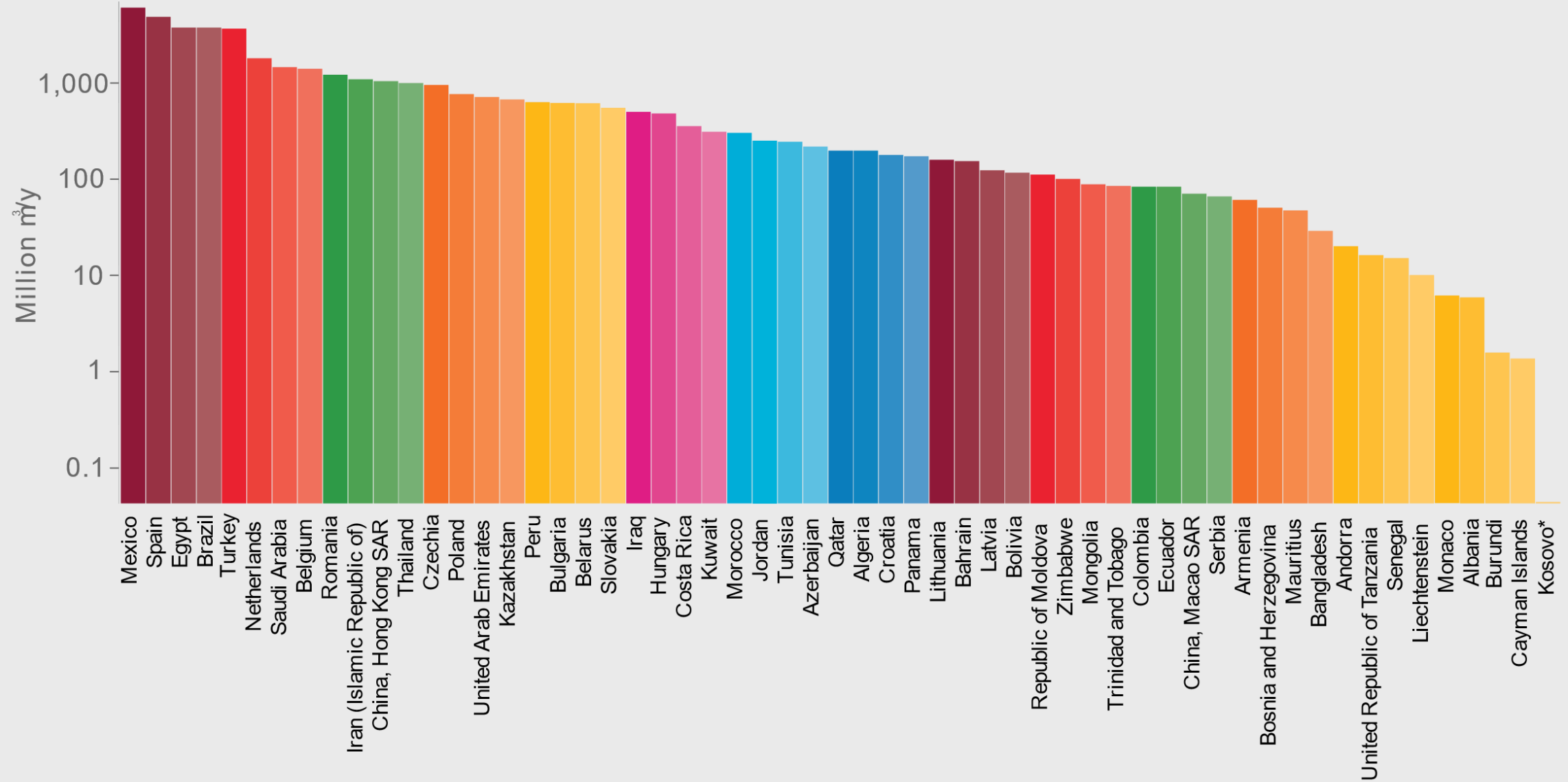
Total industrial wastewater generated



Total Domestic Wastewater Generated

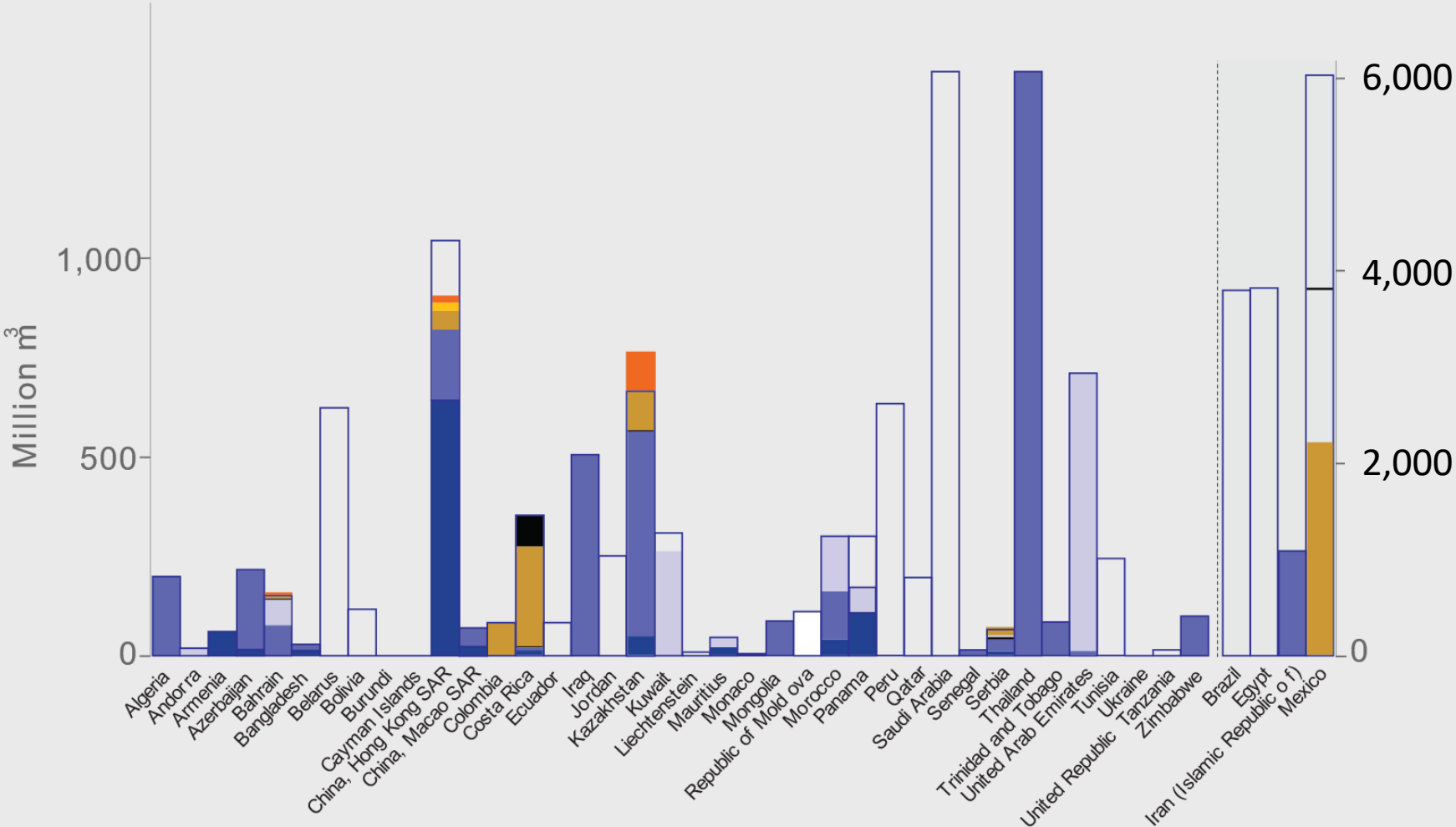
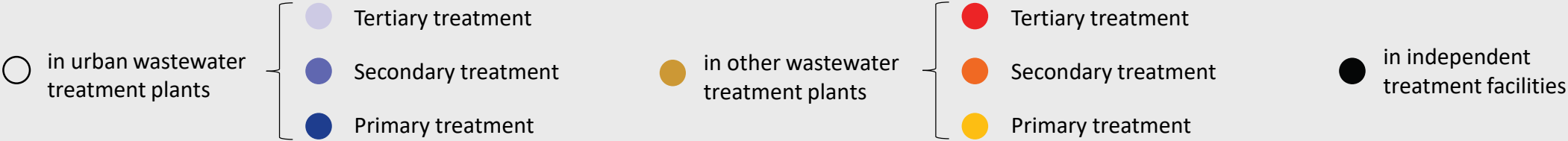


# Total wastewater flow treated in 2015 (42 Bcm)

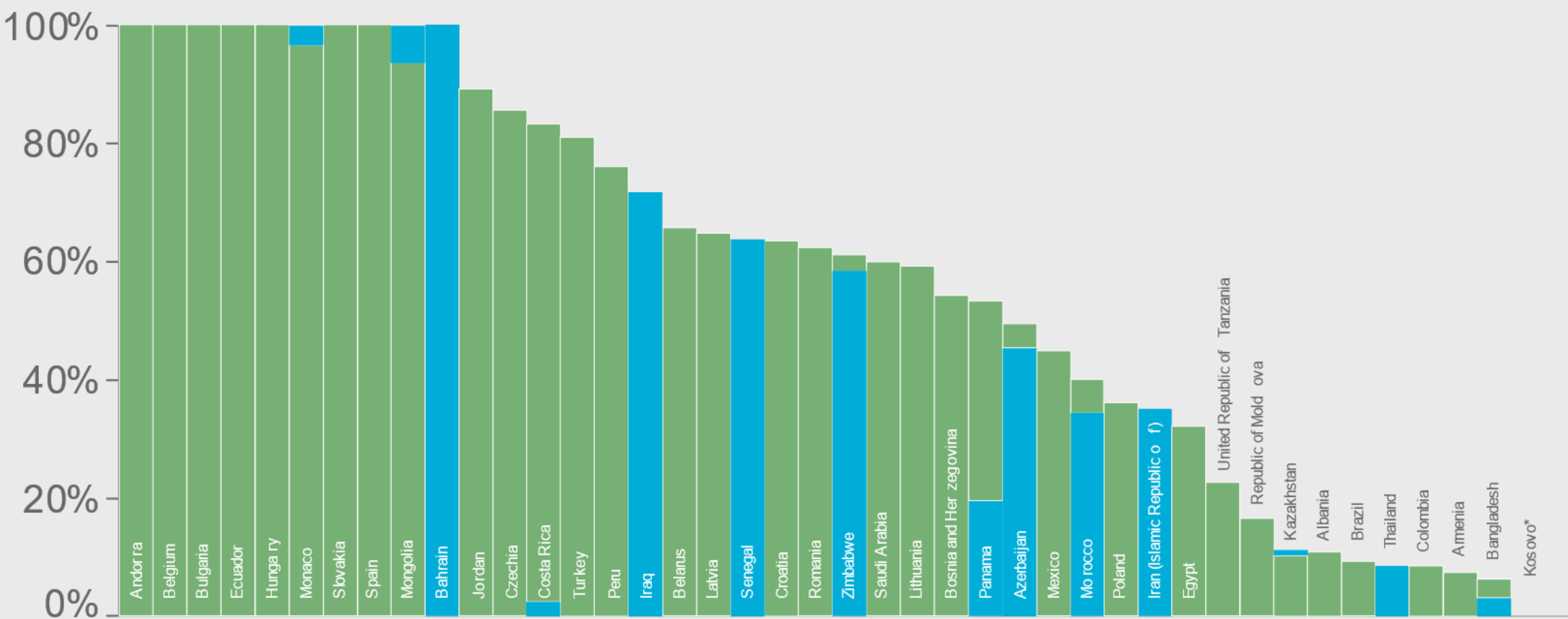




# Disaggregation of the flows of wastewater treated

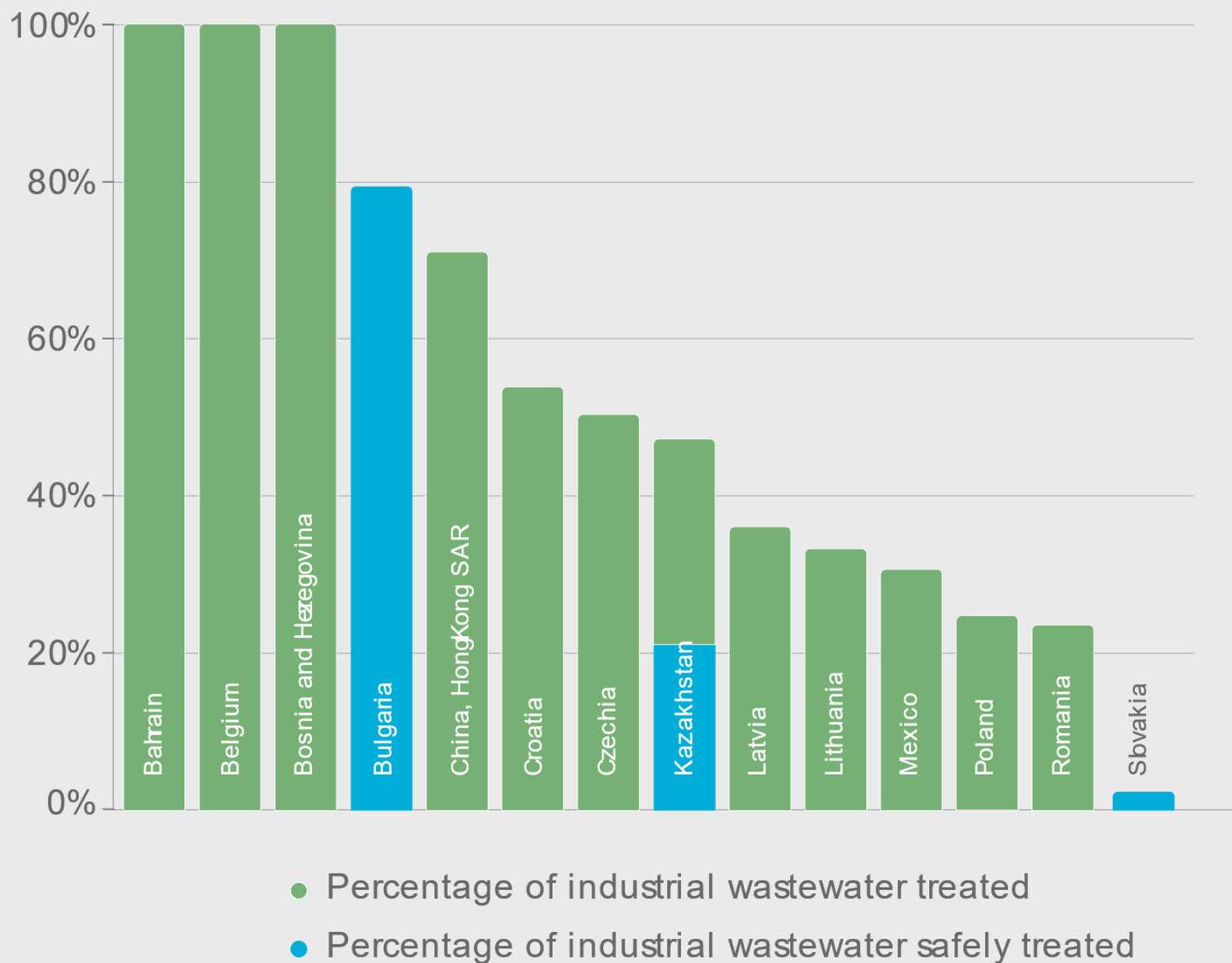


# Proportion of total wastewater flow treated: 32%

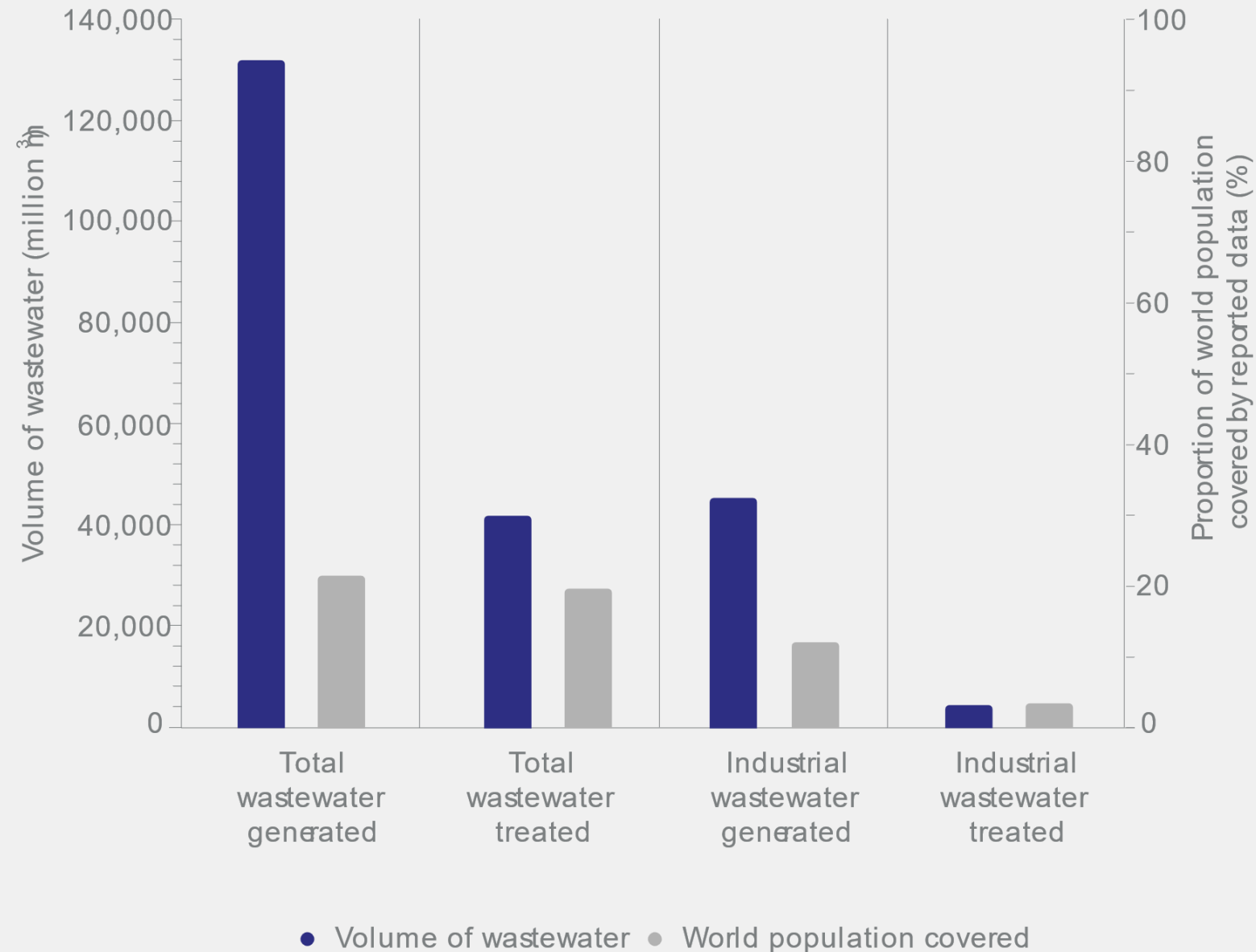


● Percentage of total wastewater treated ● Percentage of total wastewater safely treated

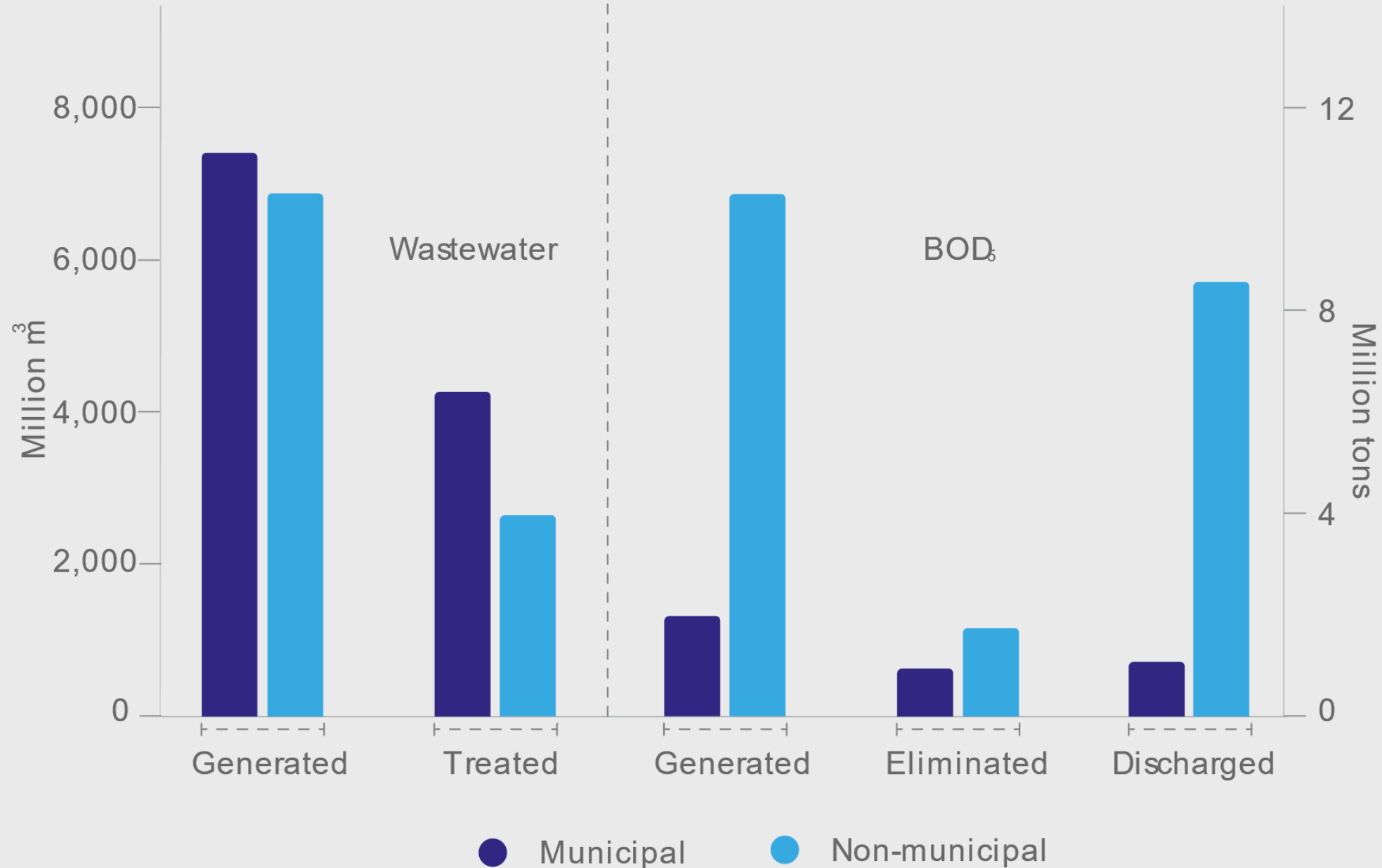
# Proportion of industrial flow treated: 30%



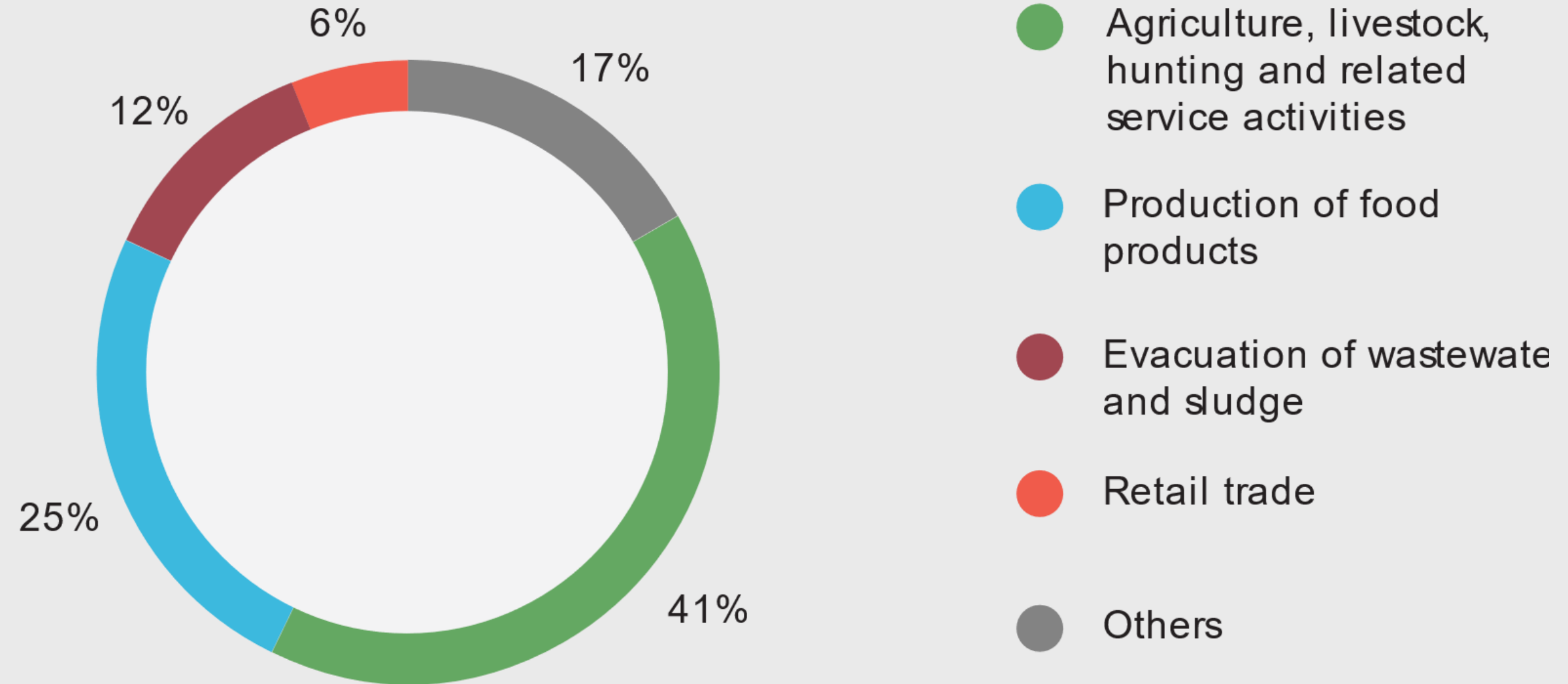
# Insufficient data for regional and global estimates



# Importance of non-municipal sources (Mexico)

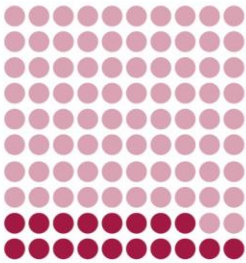


# Loads of BOD by economic activities (Costa Rica)






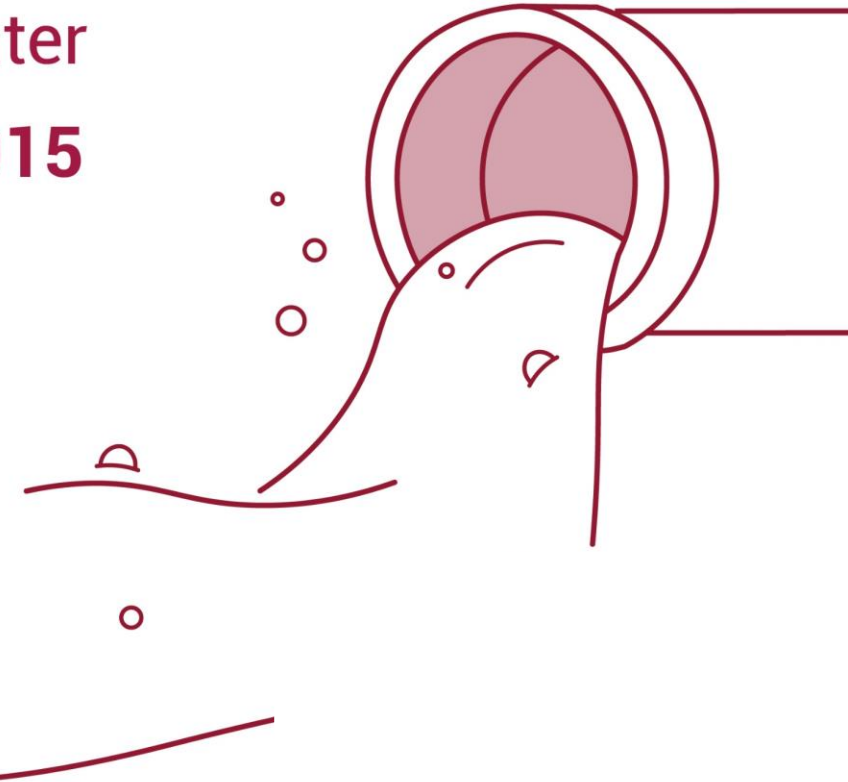
## SDG 6.3.1 WASTEWATER



Only  
**42**  
countries

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

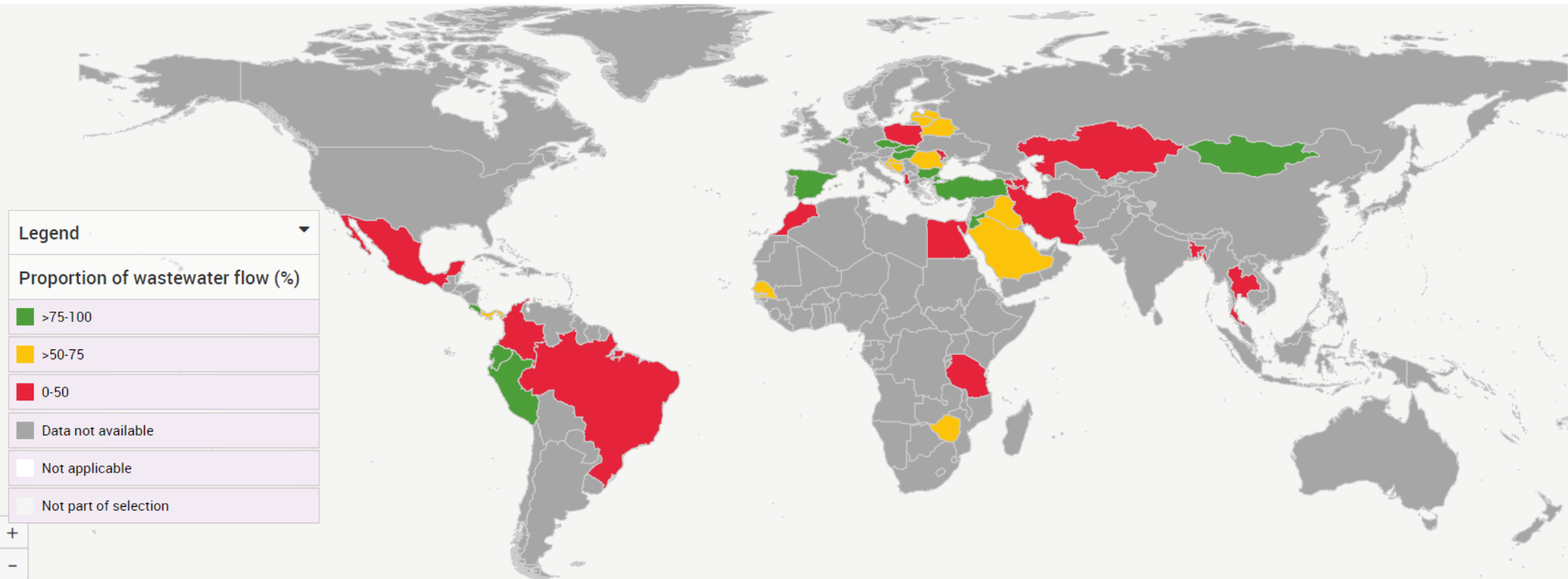
These **limited data** suggest that about a  $\frac{1}{3}$   of total or industrial wastewater **received treatment** before discharge



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




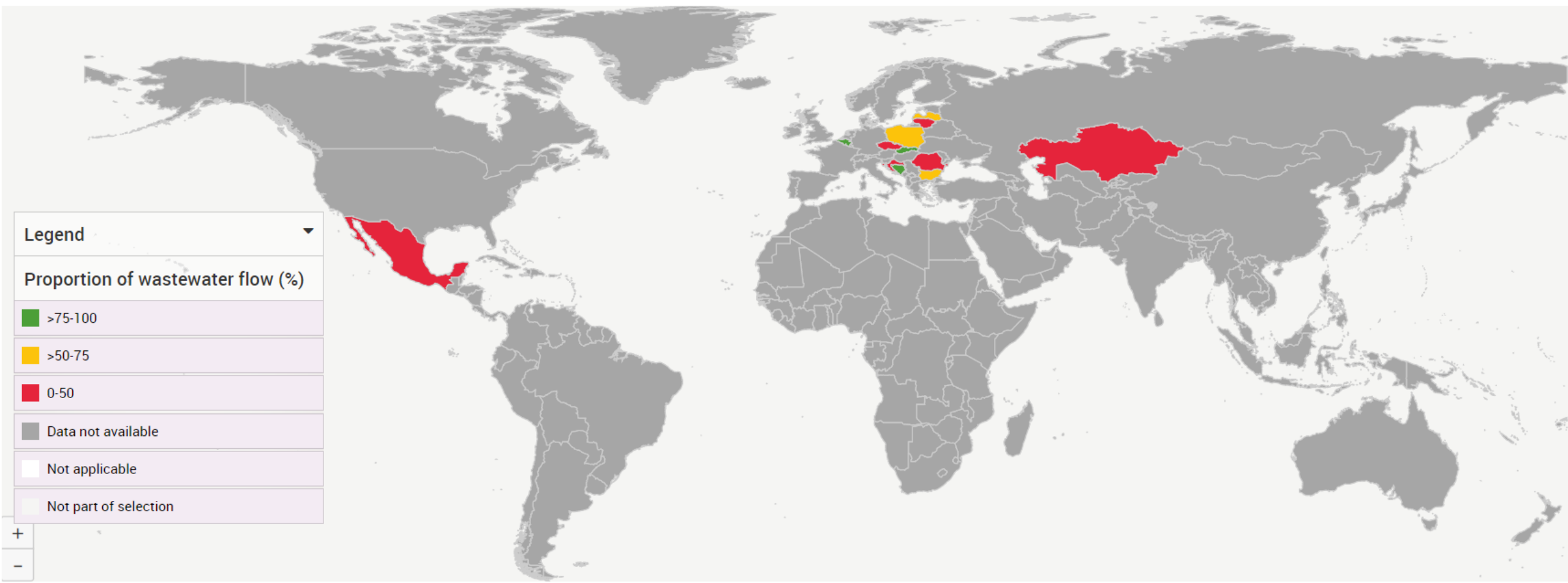
Reset color





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

 Reset color





## WEBINARS SERIES IN LATIN AMERICA

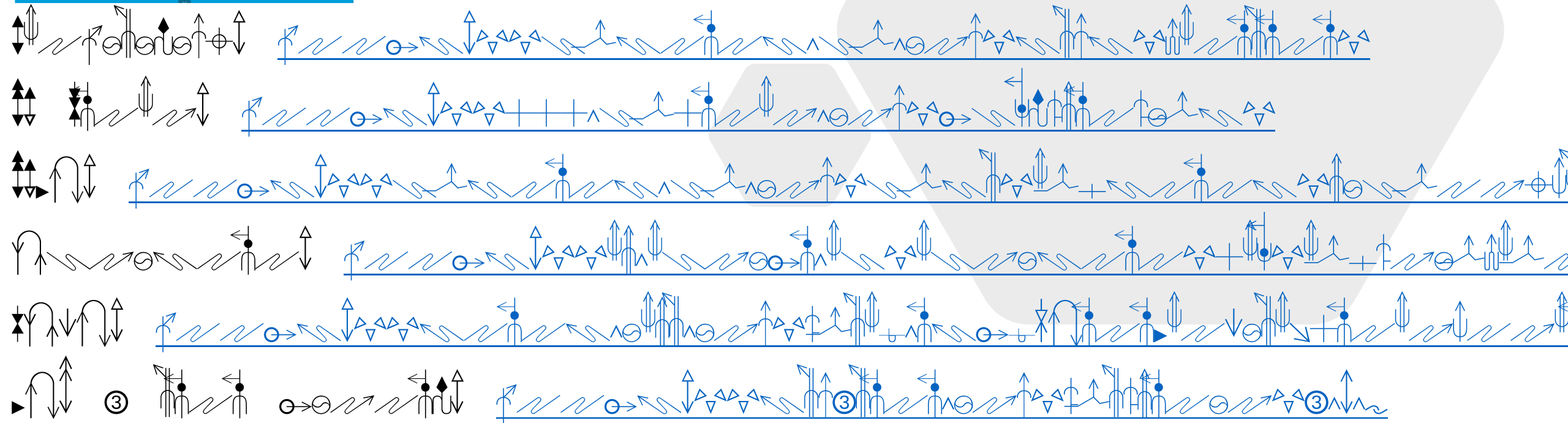
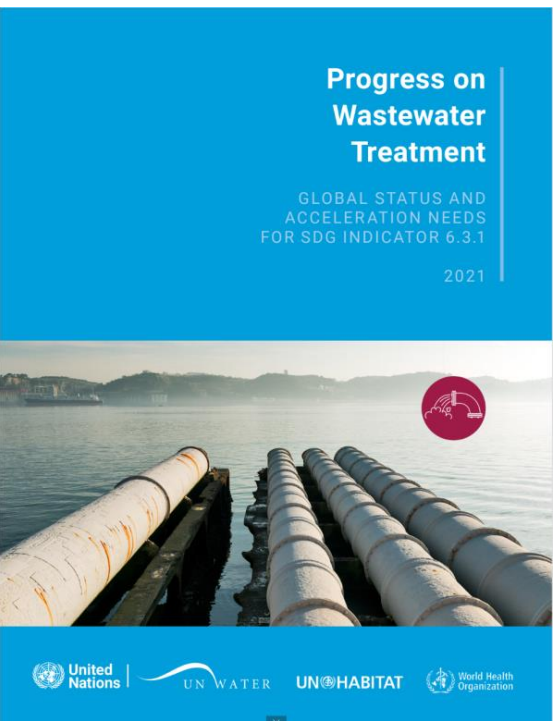
- Webinar on Water Utilities on Monitoring and Reporting of SDG indicator 6.3.1, 29<sup>th</sup> July 2020
- 1<sup>st</sup> Webinar on Basic Sanitation and Non-conventional Techniques for Water and Sanitation Utilities, 27<sup>th</sup> May 2021
- 2<sup>nd</sup> Webinar on Wastewater Treatment and Circular Economy for Water and Sanitation Utilities, 17<sup>th</sup> June 2021
- 3<sup>th</sup> Webinar on Management and Monitoring of Wastewater Data for Water and Sanitation Utilities, 23<sup>rd</sup> June 2021

**50 water and sanitation utilities**  
**12 countries**  
**10 country cases presented**

## PARTNERS

- Inter-American Development Bank (IDB)
- Regional WOP Platform LAC (WOP-LAC)

# References and links



# Thank you

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