## Introduction to the Roundtable Discussion on

### Data and Information

By Stefan Uhlenbrook, WMO

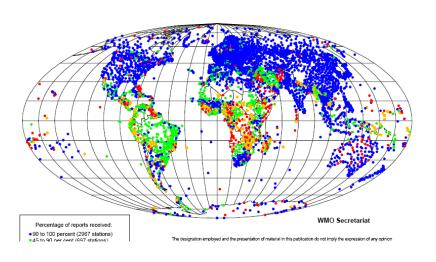


**WMO OMM** 

World Meteorological Organization
Organisation météorologique mondiale

### **The Problem – Declining Observations Networks**

#### **Surface observations**



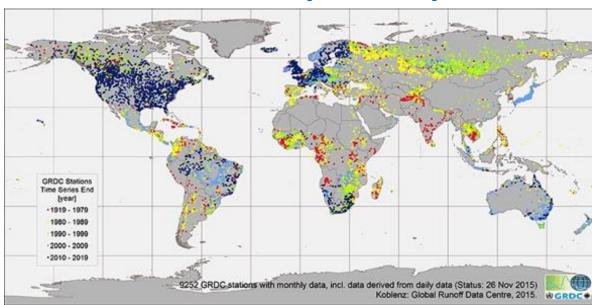


Source: HOBO, UK

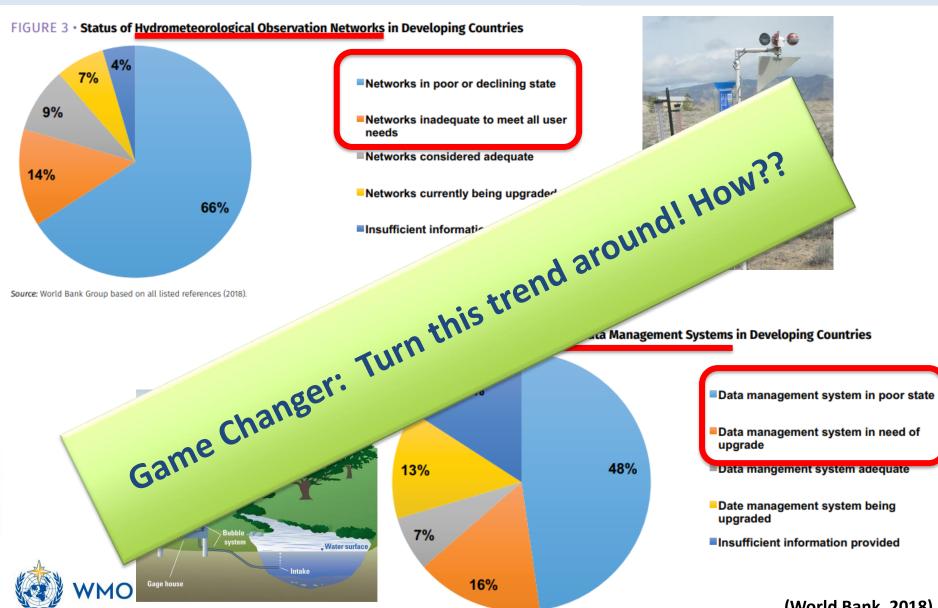
#### **Hydrometry networks**







#### The Problem – Status of Observation Networks



(World Bank, 2018)

### Water Data and Information is critical for ...



Infrastructure design and planning



Climate analysis, forecast and warning



WASH, health and well-being



Food and agriculture



**Ecosystems** management

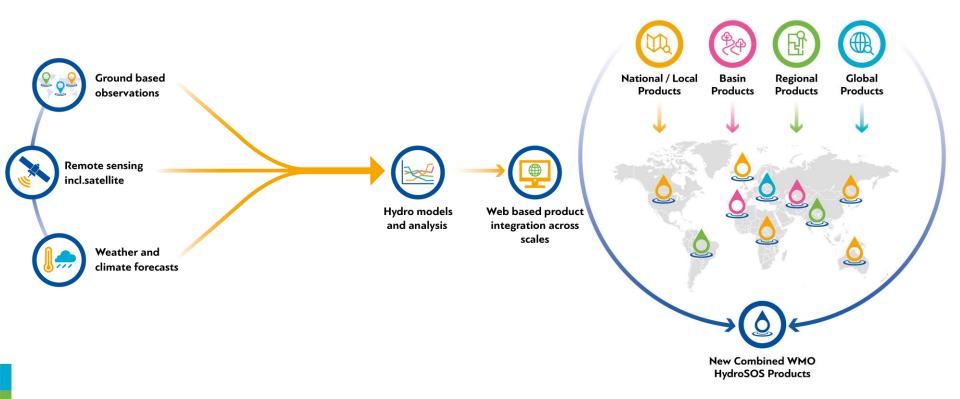
#### And also for

- Energy and other industries
- Disaster risk reduction
- Mining
- Trade
- Tourism

- Digital economy
- Transportation
- Peace and security
- Etc.



### Vision: From Data to Information to Decision and Policy Support

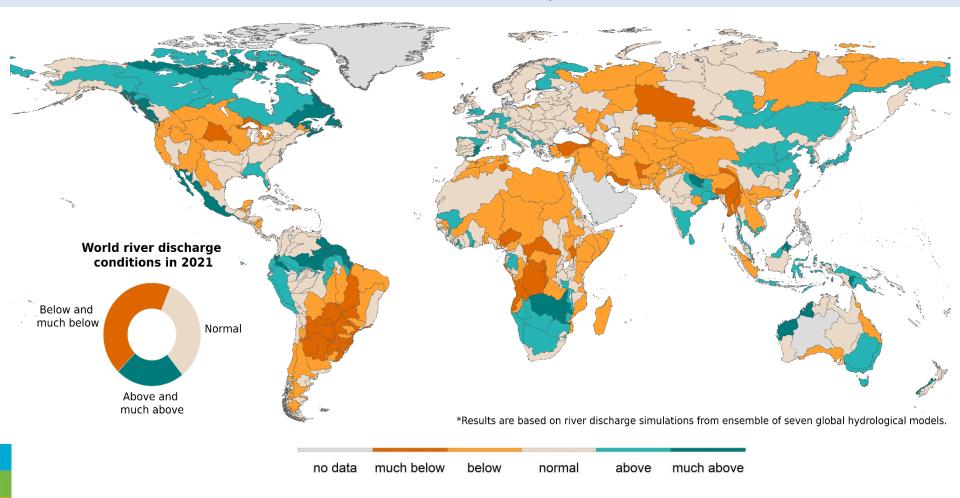




Game Changer:
Globally consistent and accessible
Water Information Services

### **Example: 1st Annual State of Water Report**

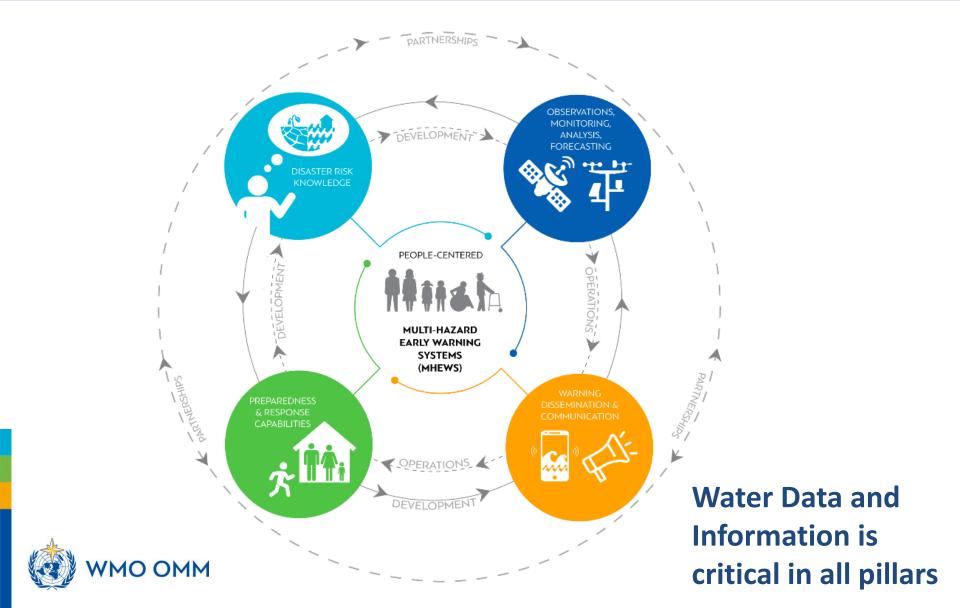
(WMO, 2022; in press)



Streamflow in 2021 w.r.t. the hydrological normal for 515 basins (calculated based on 30 years historic data, 1991-2020)

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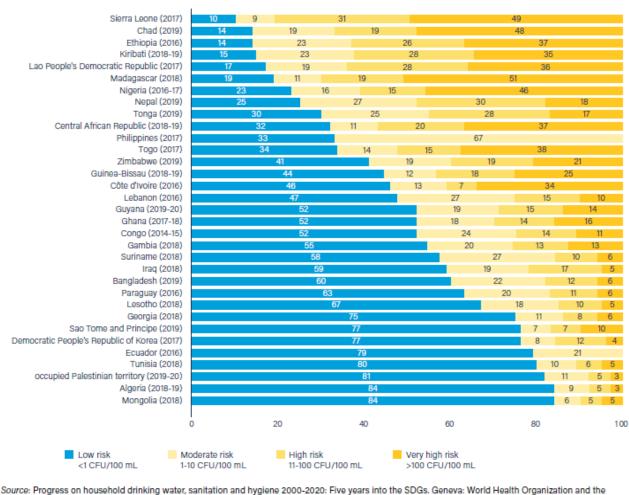
# Game Changer: UN Early Warnings for All Initiative



### **Game Changer:**

### Water Quality Testing in Household Surveys





Source: Progress on household drinking water, sanitation and hygiene 2000-2020: Five years into the SDGs. Geneva: World Health Organization and the United Nations Children's Fund; 2021.

Source: JMP, 2022 •Sierra Leone MICS

Jenegai

Tobago
MICS

Turks and
Caicos MICS

# Potential Game Changer: Disaggregated Data on Inequalities

Open defecation aries widely between and within countries in sub-Saharan Africa



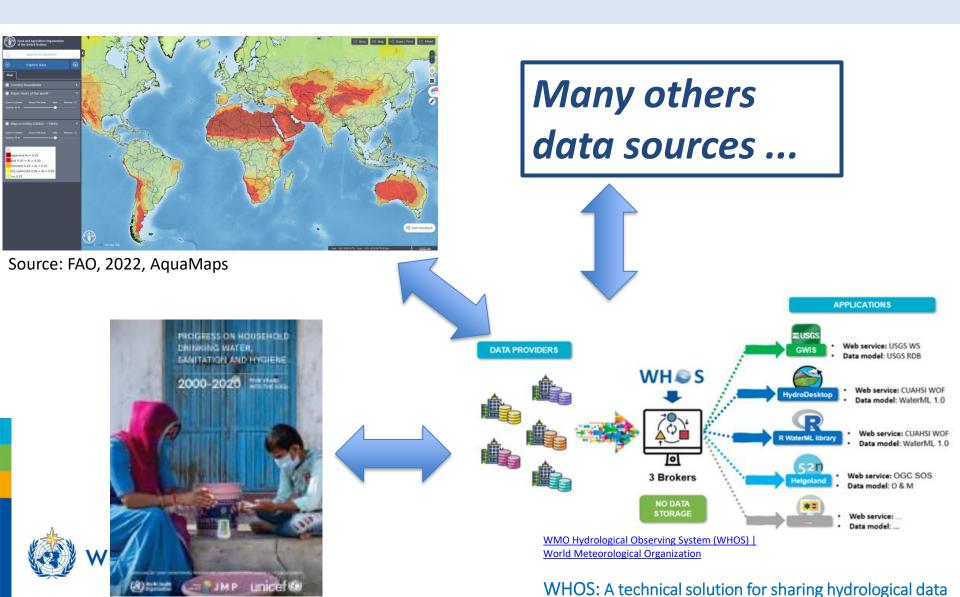
FIGURE 67 Inequalities in open defecation in Madagascar and sub-Saharan Africa, 2020 (%)

Note: Wealth quintiles and sub-national inequalities from the Madagascar 2018 MICS.



Source: JMP, 2022

# Game Changer: Global Water Portal 'one-stop-shop for water data and information'



## Thank you Merci



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### **Concluding Remarks**

#### How will stakeholders benefit?

A globally consistent data and information system will benefit many sectors across scales.

- Enhanced local capabilities will be used by national agencies assisting with water resources management.
- Shared information products will help basin organisations inform decision makers and prevent conflicts.
- Integrated regional/global overview will assist aid & development sector,
   NGOs and UN agencies in their anticipatory action and re





## Vision: Globally consistent and accessible Water Information Services

