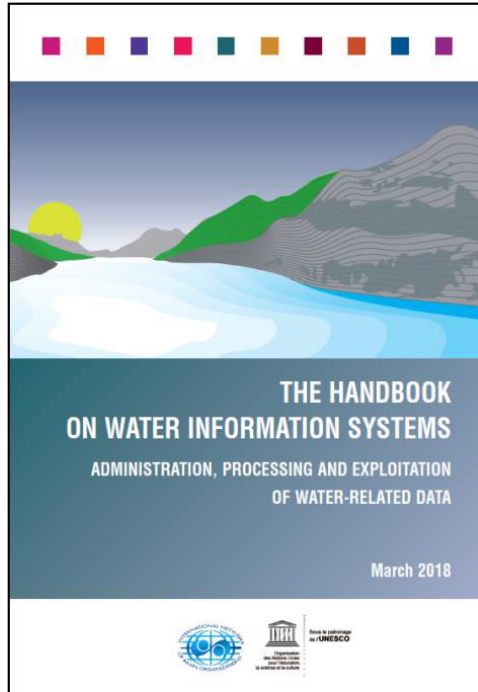




INTRODUCTION

Dr Eric Tardieu, INBO Secretary General

HANDBOOK ON WATER INFORMATION SYSTEMS



- Joined production from INBO/UNESCO with contributions from WMO, WWDI(WMO/BoM-Australia), under IOWater coordination
- Underlines why water data management is so important for efficient water resource management
- Introduces **five main processes** to be considered :

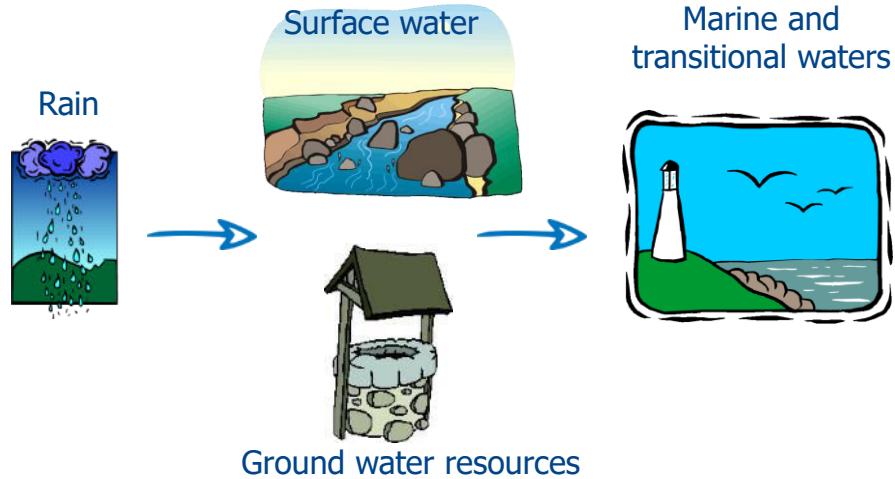


- Presents a picture of the main challenges and case studies showing how information systems are implemented to meet needs in various water sector management domains ... with a total **47 case studies** from all continents provided by the partners and by INBO network members
- Firstly addressed to water-sector decision-makers (considering the importance of water data management in IWRM) and to all organization willing to reinforce their capacities in data production, data administration and data exploitation for a better water resource management
- Available at <https://www.riob.org/pub/HandBook-SIE-en/>

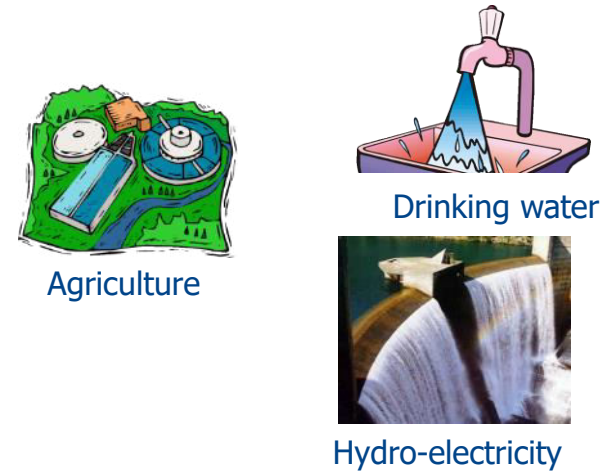


Multiplicity of topics and data producers

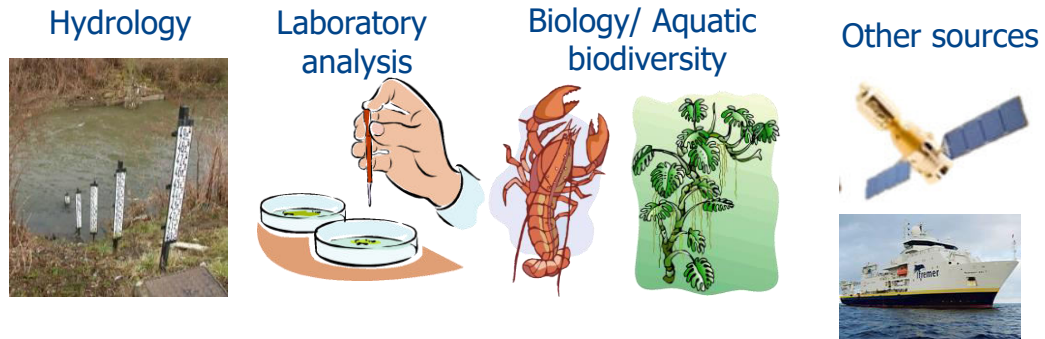
Water resources



Users, uses and infrastructure



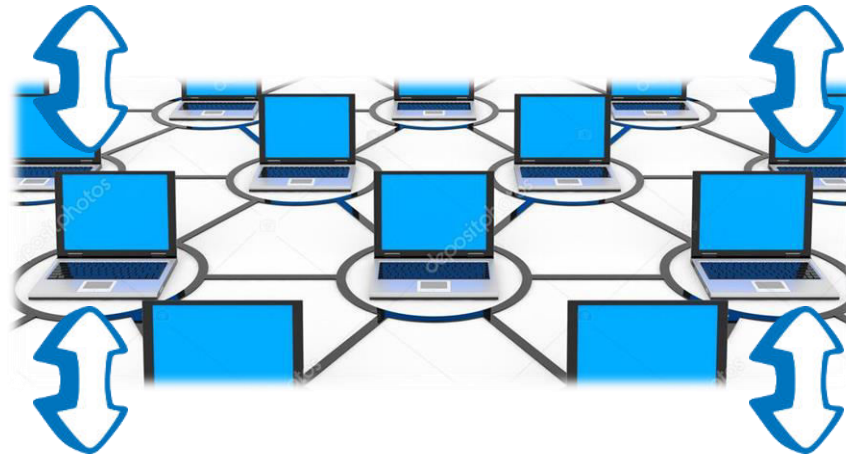
Monitoring quantitative and qualitative aspects



Others

- Environmental aspects (DEM, soils,)
- Risk related data
- Health indicators
- Socio -economical aspects
-

Developing networks of data exchange between actors



Public

Deciders



Upscaling Water Information Systems

Is about:

- Enhanced monitoring networks and data production processes
- Integration of multiple data sources through interoperability processes
- Stakeholders Engagement and trust building
- Data quality control
- Data integration, management and information dissemination platforms
- Data analysis and modelling tools
- Capacity building
- Sustainability and Maintenance
- Performance and evaluation



Reinforcing the monitoring of urban waste water discharges

MARU Project - Fasep Brazil



Objective: To reinforce the monitoring of the urban waste water discharges and their impact on the water resources in order to improve the identification of actions aiming to protect the quality of water resources and aquatic environments



Piracicaba, Capivari and Jundiá (PCJ) river basins; Paraíba do Sul and Guandu river basins

Direct beneficiaries : PCJ Basin Agency & Committee / AGEVAP Basin Agency & Paraíba do Sul and Guandu committees.

Indirect beneficiaries: Federal level bodies including the National Agency for Water and Basic Sanitation (ANA), Sanitation Services Regulatory Agencies, State water resources and environmental agencies, Municipal sanitation services...

Duration: 22 months
Budget: 800 K€



Technical and financial partners



Club of 11 french companies
"France water team"



Reinforcing the monitoring of urban waste water discharges

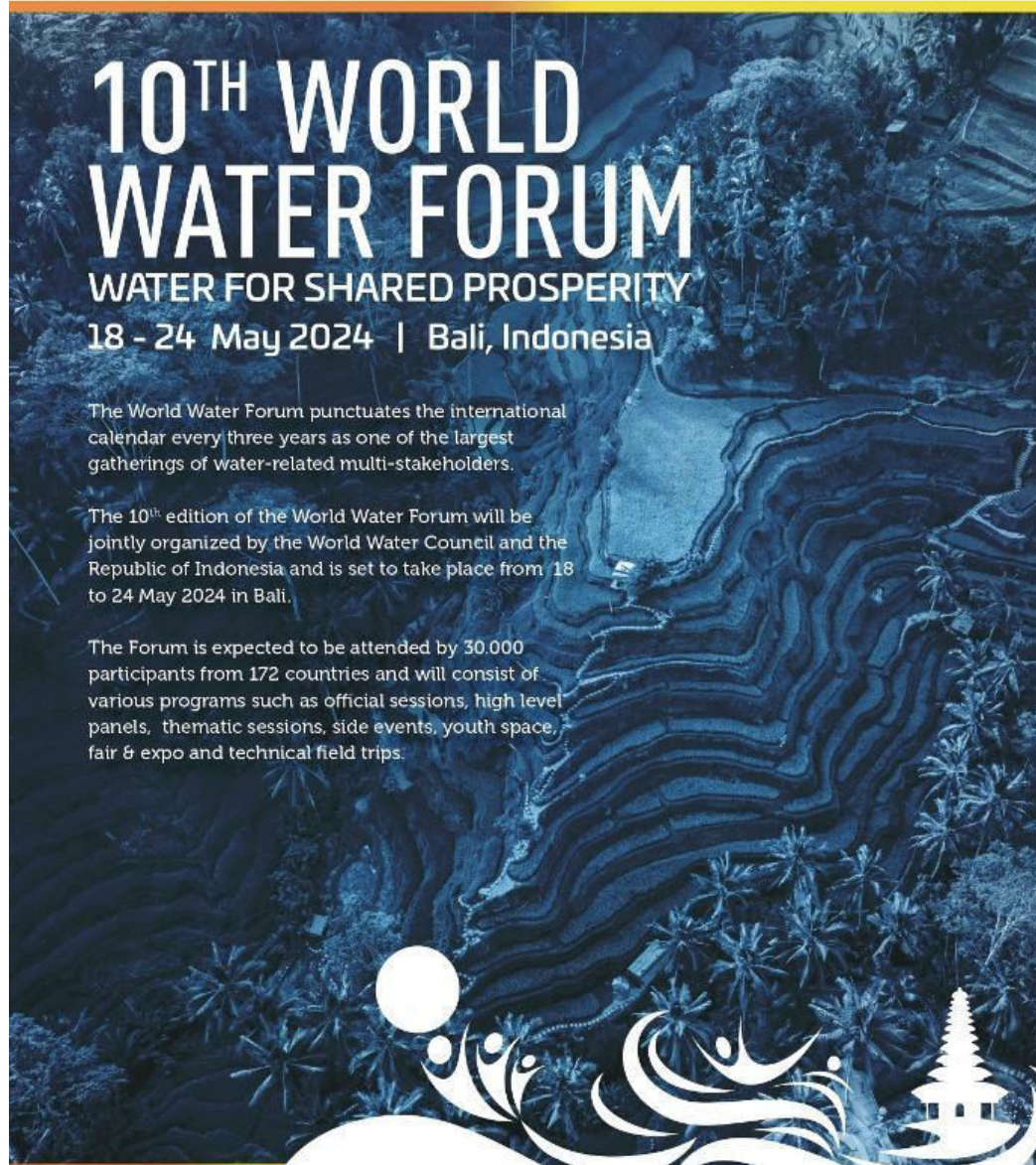
MARU Project - Fasep Brazil



Content

- Support to the agencies for the promotion of inter-institutional collaboration and data sharing at federal, state, basin and municipal level
- Strengthening the monitoring of urban waste water discharges and their impact on water resources through:
 - Installation of water quality monitoring equipments at 6 points of interest (water bodies and treatment stations);
 - Use of satellite imagery to monitor surface water quality (IRD/CNES+ OiEau).
- Recommendations for reinforcing the data production, sharing and processing to improve decision-making.





10TH WORLD WATER FORUM

WATER FOR SHARED PROSPERITY

18 - 24 May 2024 | Bali, Indonesia

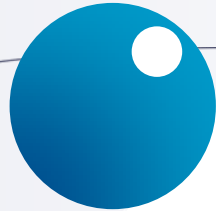
The World Water Forum punctuates the international calendar every three years as one of the largest gatherings of water-related multi-stakeholders.

The 10th edition of the World Water Forum will be jointly organized by the World Water Council and the Republic of Indonesia and is set to take place from 18 to 24 May 2024 in Bali.

The Forum is expected to be attended by 30,000 participants from 172 countries and will consist of various programs such as official sessions, high level panels, thematic sessions, side events, youth space, fair & expo and technical field trips.

- A political segment dedicated to basin approaches/organizations
- INBO in charge of the preparation
 - MOU signed in July 2023 with Indonesia and World Water Council
 - Second stage of implementation of the Dakar Action Plan for River, Lake and Aquifer Basins
 - « Twin Basin Initiative »

Overall description of the Twin Basins Initiative



Objectives

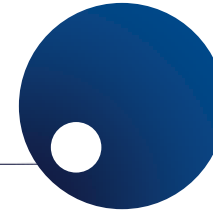
Development of **Integrated Water Resources Management (IWRM)** good practices by focusing on capacity building within Basin Organizations themselves



Means

Promotion of **twinning alliances between basin organizations** and support of joint activities for **capacity building**.

Exchange of staff (online and face to face).



Activities

Think tank for fruitful twinning between members.

Promotion of **twinning North-South, S-S, N-N**.

Support for peer to peer **face to face and online exchanges**.

Bottom-up identification and promotion of practices (webinar, reports, exchanges).

Dissemination of lessons learned at global scale (peer to peer and towards the public).



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**INBO next World
General Assembly**

Bordeaux, France

7-11 October 2024



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Réseau International
des Organismes de Bassin