



From Data and tools to information: Knowledge for decision-making.

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UNESCO's International Hydrological Programme (IHP)

- Sole intergovernmental programme of the UN system that is dedicated to waterrelated science, management, education, and capacity-building
- 169 Members 1 Bureau 1 Council
- UNESCO Water Family network
 - → To support Member States and contribute their capacity for science-based, sound water resources management





A unique and global network: the UNESCO Water Family

The World Water Assessment **UNESCO staff** located at **Programme (WWAP),** with its the Paris headquarters secretariat hosted and led by of the IHP Secretariat UNESCO in Italy and which and the **Regional** produces the periodic World **Hydrologists** located in Water Development Report the UNESCO field offices **IHP National Committees** representing the Programme in **169 42 UNESCO Water Member States Chairs** 37 water-related Category 2 Together, they represent more than **Centres** under the **3000** water experts worldwide auspices of **UNESCO**

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"Data is the new oil. Data centres are the factories of the 21st century. Data is the lifeblood of decision-making. It provides the raw material for accountability"

Ban Ki-Moon, former United Nations Secretary-General during his official visit to Republic of Korea, Umoon at two forums on May 20 2015



Universal access to information and knowledge: Open access policies

"You can't manage what you don't know"!

Achievement of SDG 6 is conditional to the improvement of access to and dissemination of knowledge on water



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Universal access to information and knowledge: Information and communications tools

Free and Open Source Software combine openness and ICTs

- Practical instrument for development
- → Tool to reduce the knowledge- and capacity-access gap between industrialized and developing countries



Empowering practitioners to creating Data

Hydro Free and/or Open-source software Platform of Experts

for Africa

→ To support Member States, Institutions, People in using and developing FOSS for the effective management of water resources in their respective countries.

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Universal access to information and knowledge: Information and communications tools

FREE and open source software tools for WATer resource management

→ Open source and free GIS integrated modeling platform for promoting Water Resources Management.

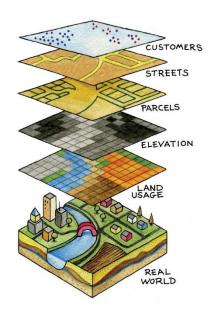




Water Information Network System - WINS

Online participatory platform for sharing data, information and knowledge on water

A georeferenced information database



A knowledge sharing platform



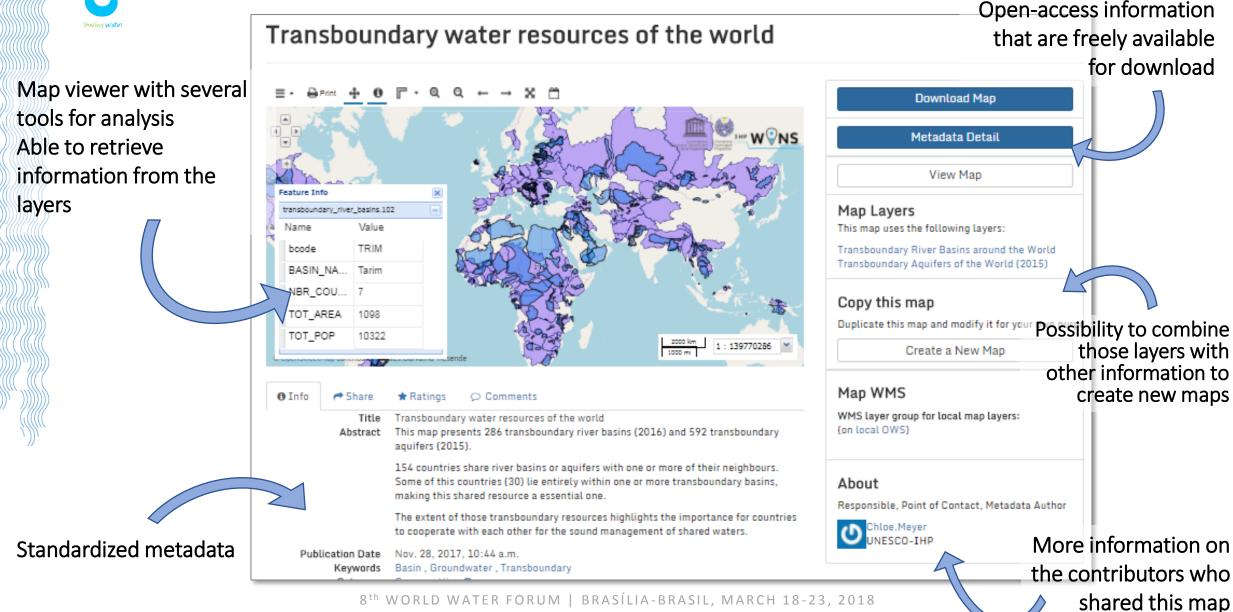
A networking hub



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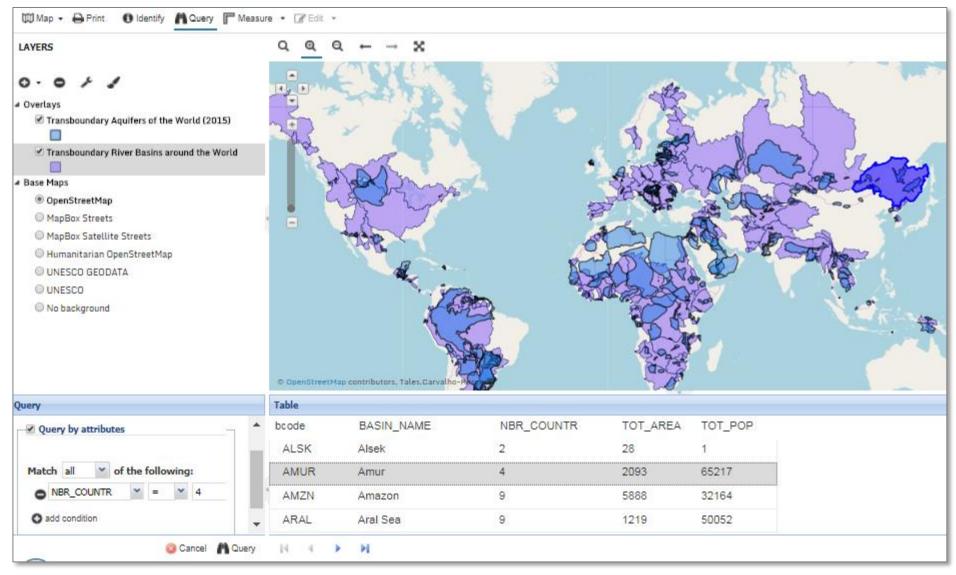


WINS is a georeferenced information database





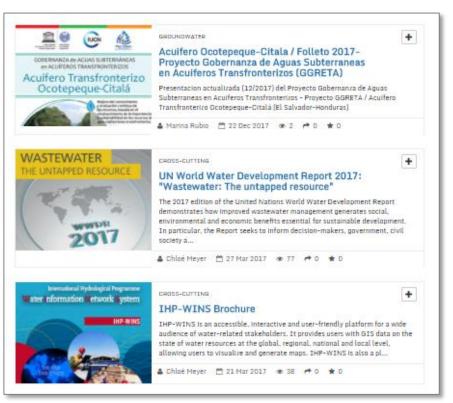
WINS is a georeferenced information database





WINS is a knowledge sharing tool

INSTITUTIONAL MEMORY created through several types of documents. Can be viewed and downloaded





Title Knowledge platform - Phase I: data access, availability and quality assessment for the development of a flood forecasting model for Namibia Abstract The 2010 - 2011 floods in Namibia caused widespread damages over seven regions in the country. Some 200 000 people were displaced with a death toll of over 90 being recorded. The President of the Republic declared a state of emergency at the end of March 2011, and various national and international partners responded in diverse manners to the call for assistance and collaboration in addressing flood management issues. UNESCO also responded to the call by sending a team of hydrologists on an exploratory mission to determine areas in which UNESCO can further collaborate with Namibia in addressing flood management. The team visited Namibia in July 2011, and presented its initial findings to the Prime Minister on 29 July 2011. Publication Date Feb. 13, 2018, 5:49 p.m. Capacity-building, Flood Water education 6

Maintenance Frequency

Unless otherwise specified, no restriction applies.

Filali-Meknassi Y., Ouarda T., Wilcox C. (2014). Knowledge platform - Phase I: sata

access, availability and quality assessment for forecasting model for Namibia. Final Report. W

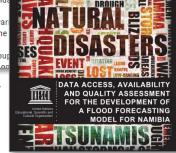
English

Language Supplemental

The findings included:

- . Strong political will and commitment in addre coordination at the level of the Office of the P
- . The provision of national budget for flood en
- . The fact that a DDR policy is in place;
- . Uncertainty in forecasting flood levels, inunc communities affected, etc.
- · Limited capacity for monitoring and early wa
- . Sub-optimal flow of information between th national, regional, and community);
- · Mandates of the various institutions and group

True ID card for any document shared

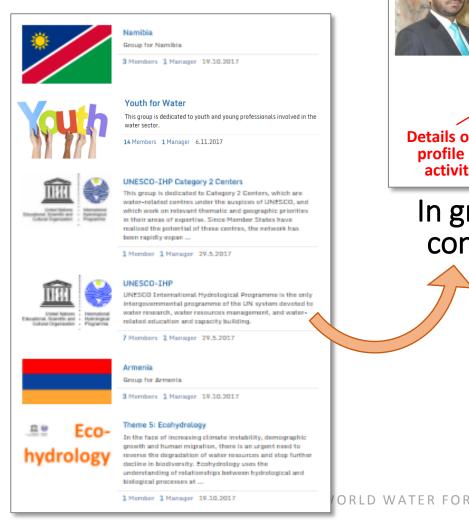




WINS is networking hub

Username

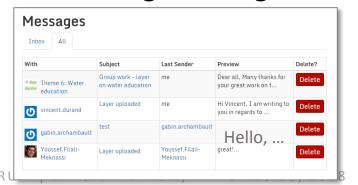
Groups are administered by MANAGER(S)





In groups, contributors can connect with each others

Exchange messages



Update on each other's work and contributions



Building capacity through an online community of practice



In conclusion, IHP's activities contribute to:

- Worldwide efforts towards sound, science-based management of water resources
- Bringing different water stakeholders (agencies, Member States, etc.) together to produce and circulate knowledge
- Visualizing and sharing clear and understandable water-related information
- Feeding decision-making and policy recommendations



















Support





