



9th WORLD WATER
FORUM DAKAR 2022



REPUBLIQUE DU SENEGAL
Un Peuple – Un But – Une Foi



Use international networks to define research priorities for development and disseminate results to stakeholders - Africa

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IRD / FRIEND Water / PHI UNESCO, IAHS

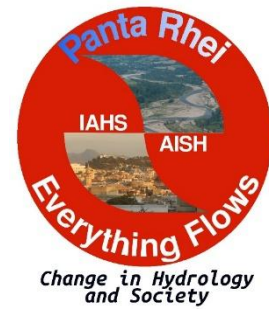


Organisation
des Nations Unies
pour l'éducation,
la science et la culture



- FRIEND-Water
- and other IHP programs
- International Sediment Initiative, Large Rivers Initiative...
- Goal: create regional communities
- Share knowledge, methodologies, tools, databases, workshops, training sessions,..
- Global conferences
- Young and gender issues
- To enhance: Open data, education, link with society

- FRIEND-Water
- Develop skills in innovative methodologies and tools
- Since 2019 4 workshops dedicated to **spatial hydrology** in the frame of FRIEND-Water
 - Bangui (Central African Republic)
 - Abidjan (Côte d'Ivoire)
 - Cotonou (Bénin)
 - Conception (Chile)



IAHS – International Association of Hydrological Sciences

6000 hydrologists network

10 specialists commissions, transverse topics

Develop links with Society issues (Panta Rhei decade) and education

Strong link with UNESCO IHP/FRIEND-Water

Sponsoring of large events, Global FRIEND conferences

<https://piahs.copernicus.org/articles/384/index.html>

<https://piahs.copernicus.org/articles/383/index.html>

https://books.google.tn/books/about/Hydrology_in_a_Changing_World.html?id=7AijhoQEACAAJ&redir_esc=y

American Geophysical Union - AGU

<https://agupubs.onlinelibrary.wiley.com/doi/book/10.1002/9781119657002>

- How to develop the influence of African hydrologists in international research organizations and in society?
- Participate in international scientific commissions, promote specific research topics – see Montpellier IAHS conference 29th May 3rd June 2022
 - S20. Hydrology, new tools and innovative measurements and citizen science in Africa
 - S21. Hydrology of Mediterranean and semi-arid regions
 - S22. Tropical Hydrology
- IAHS Africa Committee
- 23 UPH in Africa
- Increase links between IAHS and UNESCO multiple programs
- Develop participative research: include more people, including kids/schools, in research operations, observatories, etc...
- Open Science/open data, and bring science to citizens

- Develop links with NGOs and private companies in need of hydrological data and knowledge
 - Modifying hydrological normal to improve the resilience of constructions (bridges, dikes, roads, dams...) – link with engineers offices
 - Work with local/regional associations both to
 - Better take into account the local problems to study
 - Include local people in environmental surveys / observatories
 - Example of the Ghar el Mellah lagoon in Tunisia – local fisheries and WWF/Ramsar site

- FRIEND-Water and IAHS
- Develop links with other disciplines
- Ecohydrology – Water quality / UNESCO
- Social Sciences – link with water needs and uses
- Socio-economy – Costs linked with hydrological variability
- Marine studies – Coastal Vulnerability
- Etc...

Thank you for your attention

