

Item 6: Future work to address climate change in transboundary basins under the Water Convention

WMO Current and Planned Activities

28 February 2024

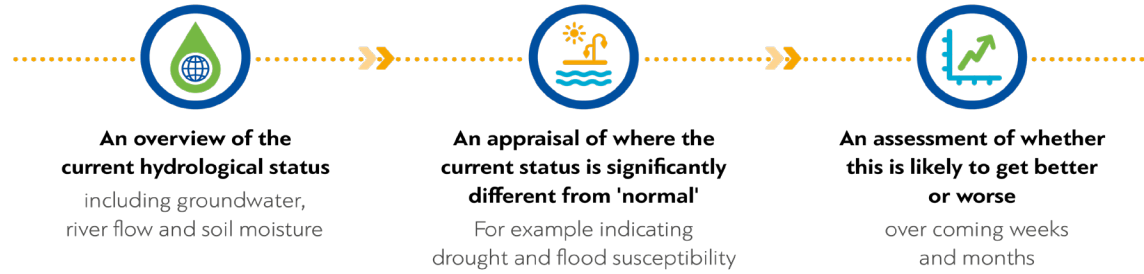
Nicolas Franke

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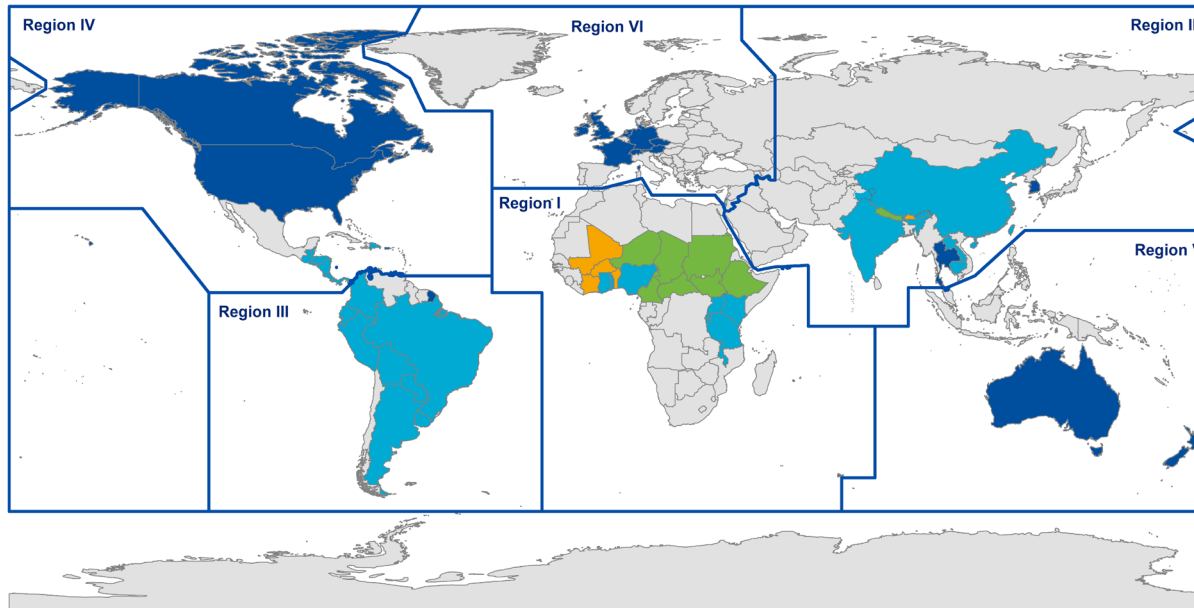


WORLD
METEOROLOGICAL
ORGANIZATION

Hydrological Status and Outlook System (HydroSOS)



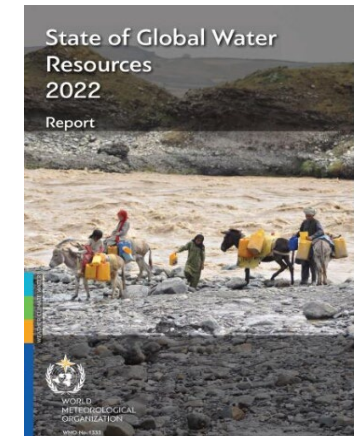
State of Global Water Resources Report



- Legend**
- WMO Regional Associations
 - Coast & Boundaries
 - Disputed Boundaries
 - No existing, no known or no planned HydroSOS products
 - Existing operational products similar to HydroSOS
 - Ongoing development of HydroSOS products
 - HydroSOS product development due to start
 - HydroSOS products planned

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NOTE: Countries are shaded in totality even when certain parts of them have HydroSOS being implemented. The list on future projects and existing products are to the best of our information.



State of Global Water Resources 2022

Early Warnings for All

Flash Flood Guidance System

Phase-IV (Global and Regional Scale) incl. La Plata Project

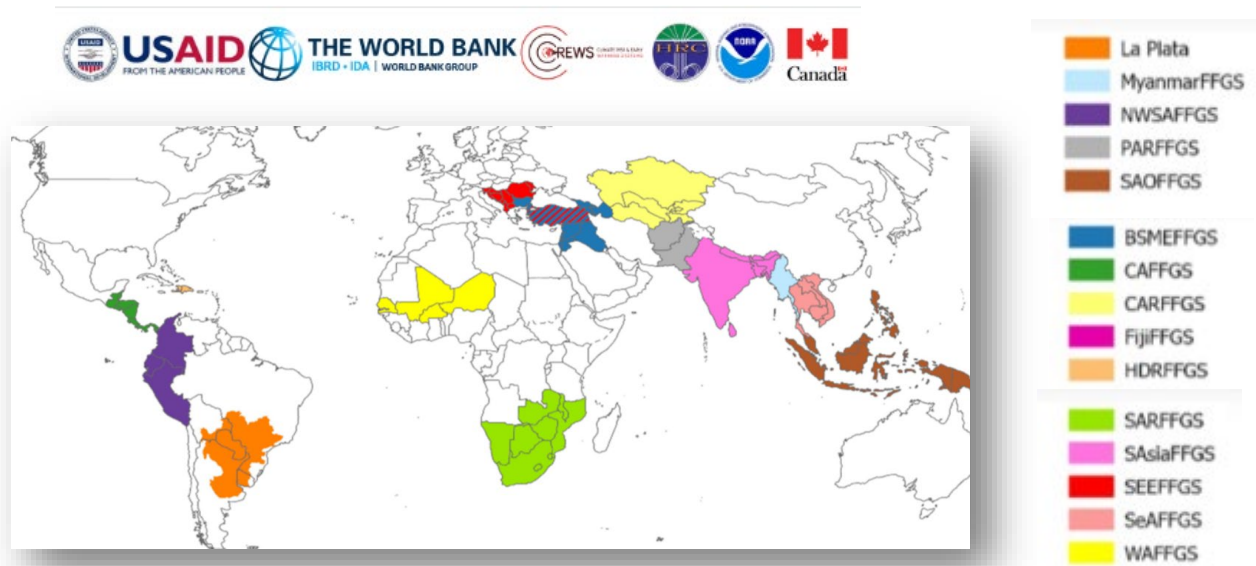
73 operational countries + 31 countries underway (2023-26)

USD 12.5M

Providing Members with capacities and capabilities for the forecasting and warning of the flash floods and landslides.

Expansion	Coverage	Capacity Building	Fit for purpose
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Sustainability	Interoperability	Maintenance
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Early Warning Systems for Floods

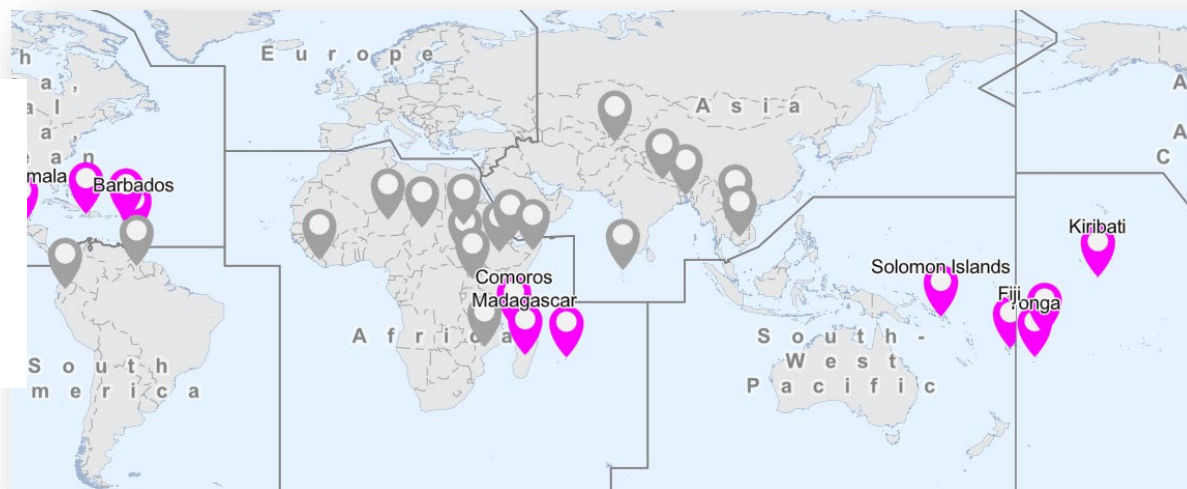
Phase-I (Global, Regional and Basin Scale)

12/30 EW4All initially targeted countries (2023-2026)

USD 12.5M

Provide capacities and capabilities for effective risk and impact-based flood forecasting and warning.

MHEWS EW4All	Concept of Operations	Interoperability	LDCs SIDs
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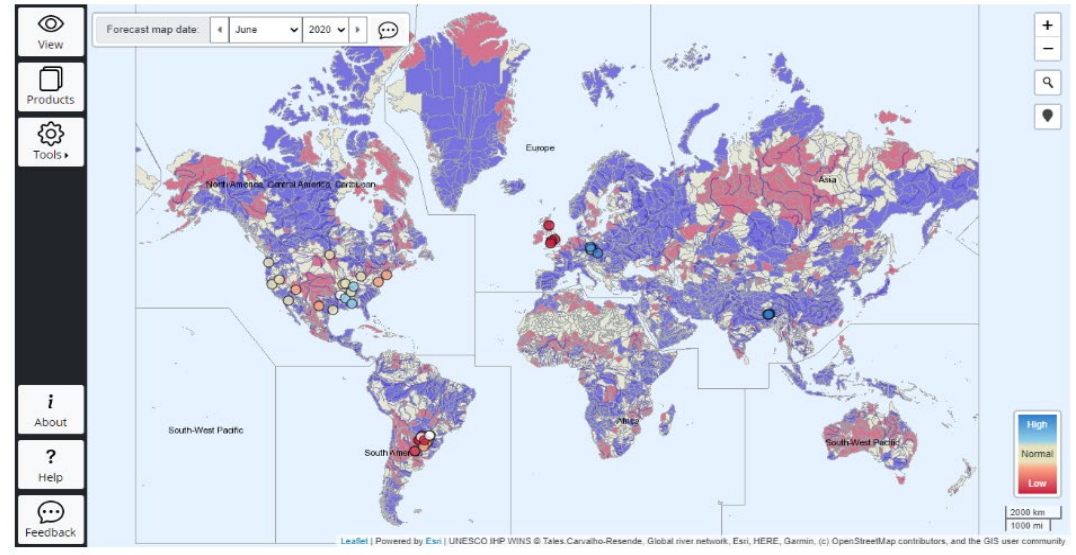
Water at the Heart of Climate Action

Regional: **Ethiopia, Rwanda, Sudan, South Sudan and Uganda**
EUR 6.5M (HWC); Ministry of Foreign Affairs, Kingdom of Netherlands
 Implementing Partners: **WMO, NLRC, UNDRR working with NMHSs and regional entities (NBI, ICPAC etc.)**

Delivery of the EW4All Pillar-2 capacities and capabilities 2023-2028

HydroSOS	EW4All Pillar-2 Hydro	Coordination&Leverage
Lack of Hydro Monitoring Network and Maintenance		Sustainability

[View the integrated HydroSOS demonstration portal](#)



Volta Flood and Drought Management

Regional: **Benin, Burkina Faso, Côte d'Ivoire, Ghana, Mali and Togo**
EUR 9M; Adaptation Fund
 Executing Entities: **WMO, GWP-WA, Volta Basin Authority (VBA)**

Delivery capacities and capabilities for Integrated monitoring, forecasting and warning of floods and droughts in the Volta Basin 2019-2024

Flood and Drought Risk Management	Basin scale VoltaAlarm	Phase-II (underway)
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Lack of Hydro Monitoring Network and Maintenance	Sustainability
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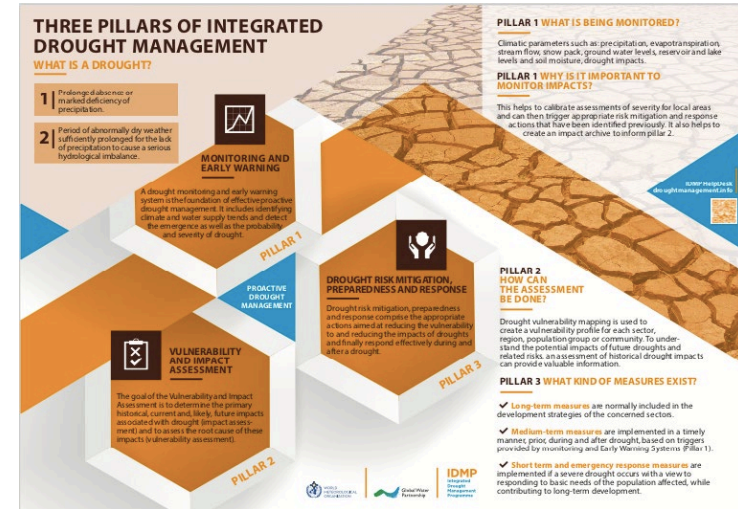


Integrated Drought Management for Central Asia (IDCA) -underway

Target Countries: Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan and Uzbekistan

Duration: 2024-2029

Goal: Technical assistance of hydrometeorological services in Central Asia



Capacity Building for Hydrology

- Instructor-led 8 weeks distance learning: based on existing COMET and NIWA modules
- On the Job 1-week-average length training, Gender Empowerment
- New format On the Job training (field work recorded, needs virtually assessed, instructor-led DL tailored training)

Hydrological Training Activities in 2023:



37 Courses

Including Hydrological Technicians Course, DL Course in Basic Hydrological Sciences, Hydrological modelling, MCH, Assessment in E2E EWS FF, Gender empowerment.



982 Participants



6 Regions

English/Spanish/French/Russian Speaking

40%

Thank you
Merci



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale