



**INTEGRATED DROUGHT
MANAGEMENT PROGRAMME**



**WORLD
METEOROLOGICAL
ORGANIZATION**



**Global Water
Partnership**

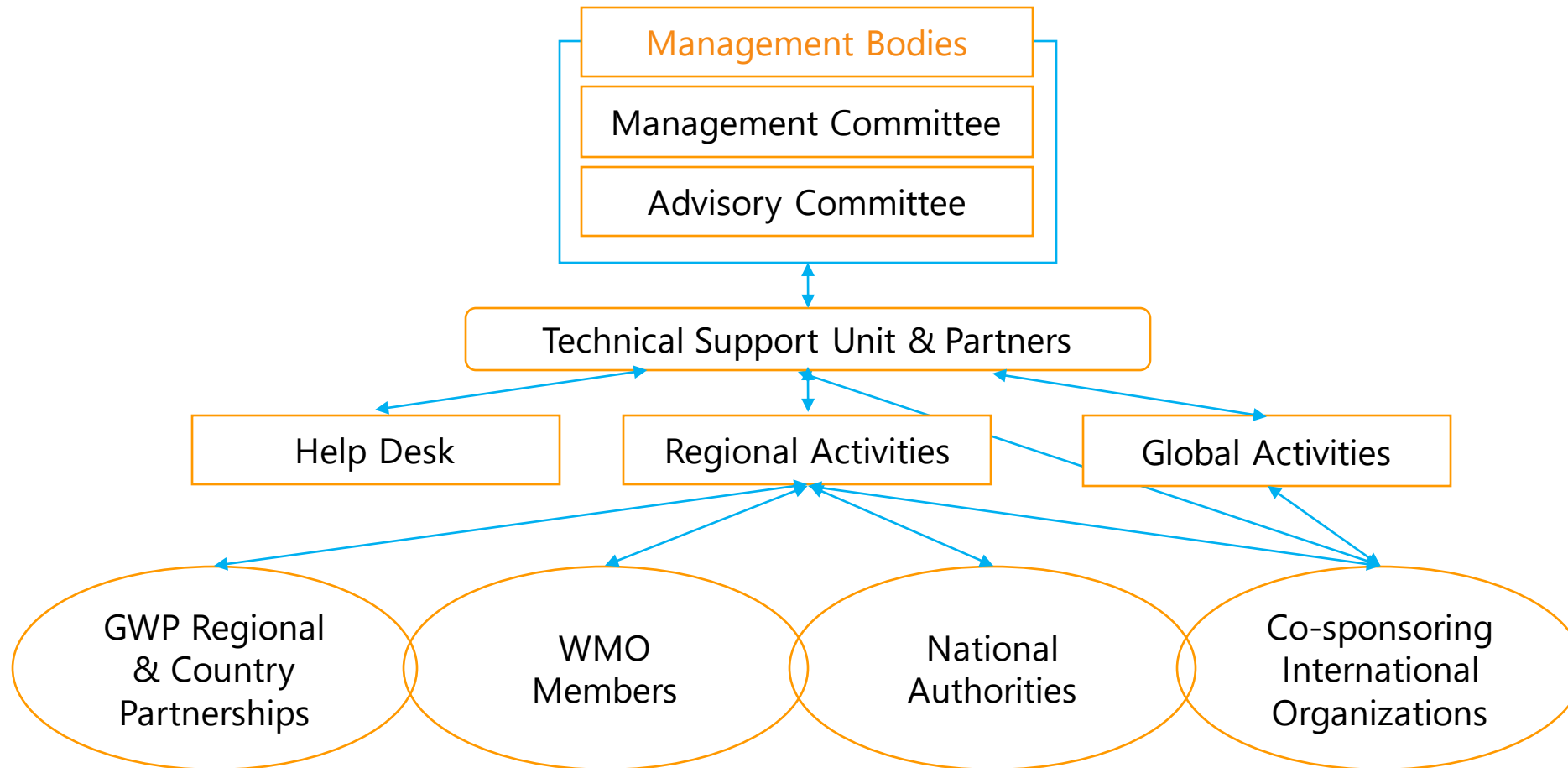
**Cooperation for
Drought Resilience**

**IDMP 2023
Advisory Committee
meeting**

Agenda of the AC meeting

- Welcome and opening of the meeting
- Overview of current activities and follow-up of the recommendations of the 2022 AC/MC meetings
- Presentation and discussion of regional activities
- Community of Practice participatory session and launch
- Strategic issues driven by partners
- Partners' Marketplace
- Drought Resilience +10
- Summary
- AOB and Wrap-up

IDMP governance structure



The IDMP

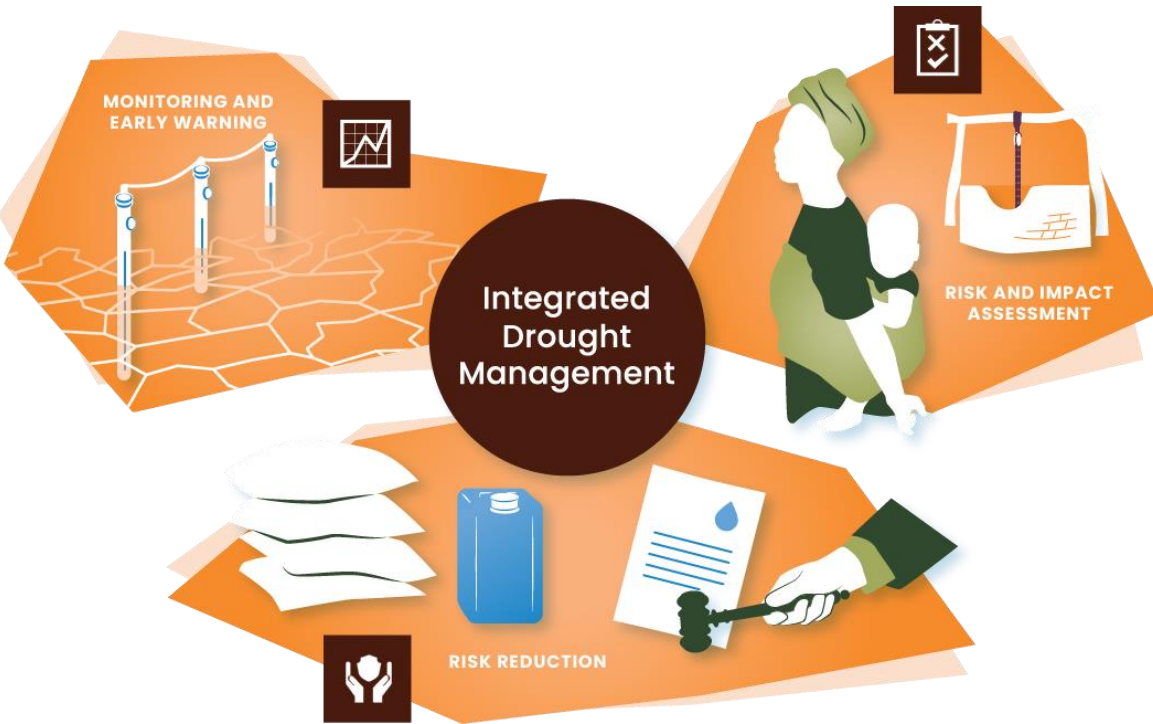
Est. 2013 after **joint** High-Level Meeting
Of WMO, GWP, FAO, UNCCD and other partners

IDMP's objective is to support stakeholders at all levels by providing policy and management guidance and by sharing scientific information, knowledge and best practices for Integrated Drought Management (IDM).

- **Partner** base continuously growing – at **45 in 2023**
- **4 regional programmes** work on IDM implementation

Approach:

- Runs a **HelpDesk** to respond to requests
- **Community of Practice**
- Develops and contributes to IDM components of **projects**
- Develops **knowledge products**
- **Capacity building** and **trainings** on IDM
- **Virtual Exchanges** 2-3 times a year
- **Youth Engagement**



Information hub:
droughtmanagement.info

The IDMP... watch our new video



SCAN ME

<https://vimeo.com/854353234>

The IDMP partners



FAO



UNCCD



JRC



K-Water



National Drought Migration Centre



NIDIS



ADPC



Agencia Estatal de Meteorología



Agryhmet Regional Centre



Antea Group



Stockholm Environment Institute



The Bright Initiative



The World Bank



UK Centre for Ecology and Hydrology



ARSO



Australian Government



CAP-NET



CIMA Research Foundation



UNDP



UNDRR



UNEP



UNESCO



Climate Change, Agriculture and Food Security



Conagua



Convention on Biological Diversity



Deltares



University of Southern Queensland



University of Wageningen



UNU FLORES



Vrije Universiteit Amsterdam



FEWS NET



FUNCEME



Genri



Icarda



Water Youth Network



Icid - Ciid



Icpac



IHE Delft



IMTA



Financial partners



NOAA



Environment Canada



International Federation of Red Cross



IRI



IUCN



IWMI



INTEGRATED DROUGHT MANAGEMENT PROGRAMME



Integrated Drought Management HelpDesk



ASK

Ask for assistance on integrated drought management



FIND

Find knowledge resources on integrated drought management



CONNECT

Join our Community of Practice to CONNECT with our partners and other drought experts, practitioners and stakeholders.

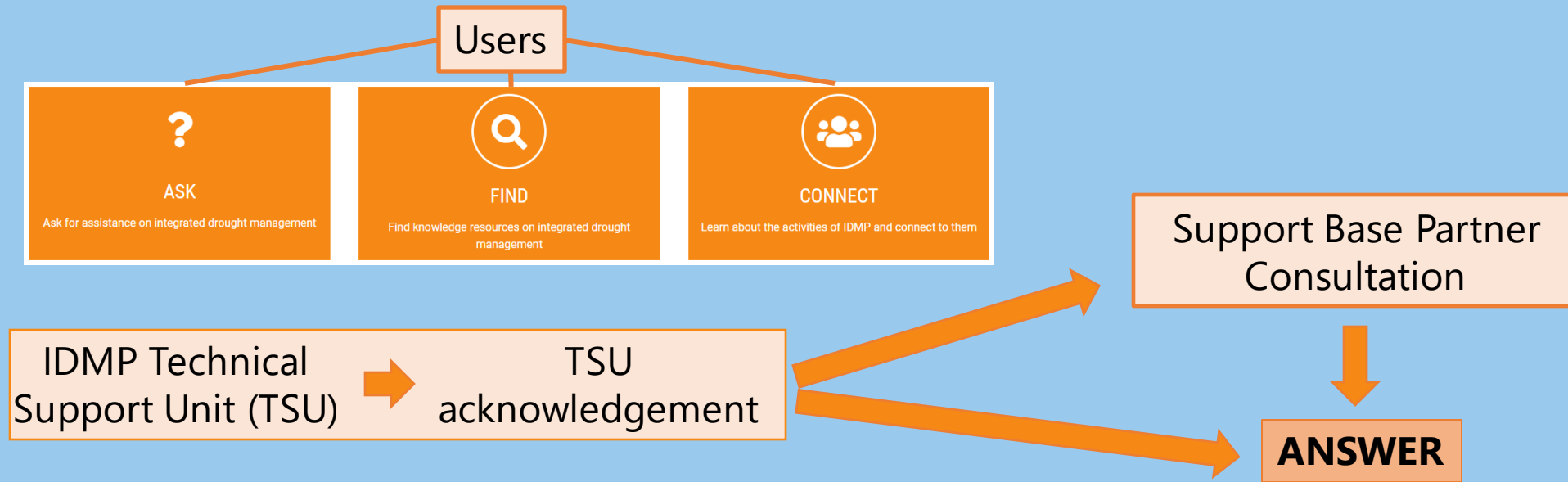
www.droughtmanagement.info



ASK

IDMP HelpDesk

How does the HelpDesk work?



Proposal for an extension of the HelpDesk to IWRM joint with APFM – to be discussed



ASK

- ▶ Promoting standard approaches to vulnerability and impact assessment
- ▶ Implementing effective drought monitoring and early warning system
- ▶ Enhancing preparedness and mitigation actions
- ▶ Implementing emergency response and recovery measures
- ▶ Understanding the cost of inaction and benefit of action

Support Base Partners



IHE Delft



University of Wageningen



The World Bank



University of Southern Queensland



The United Nations University
Institute for Integrated
Management of Material Fluxes



The United Nations Development
Programme



The United Nations Convention on
Biological Diversity



K-water



The Mexican Institute of Water
Technology



The Joint Research Centre



International Water Management
Institute



IGAD Climate Prediction and
Applications Center



The International Center for
Agricultural Research in the Dry
Areas



The Drought Management Centre
for Southeastern Europe



UK Centre for Ecology &
Hydrology (UKCEH)



Australian Bureau of Meteorology

+ **Bright Initiative, Water Youth Network, Antea Group**



ASK

IDM HelpDesk Statistics

48 requests received in 2022/23.
(graphics are based on 27 requests)

Who sends requests?

- International Organization
- University
- Government
- Private Sector
- Independent Research Institute
- Not specified

Where does the request come from?

WMO region

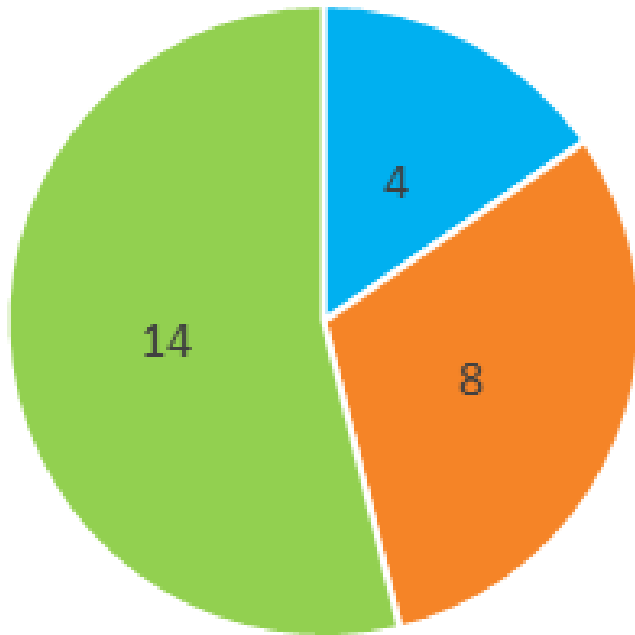
- 1
- 2
- 3
- 4
- 5
- 6
- Global
- No information



ASK

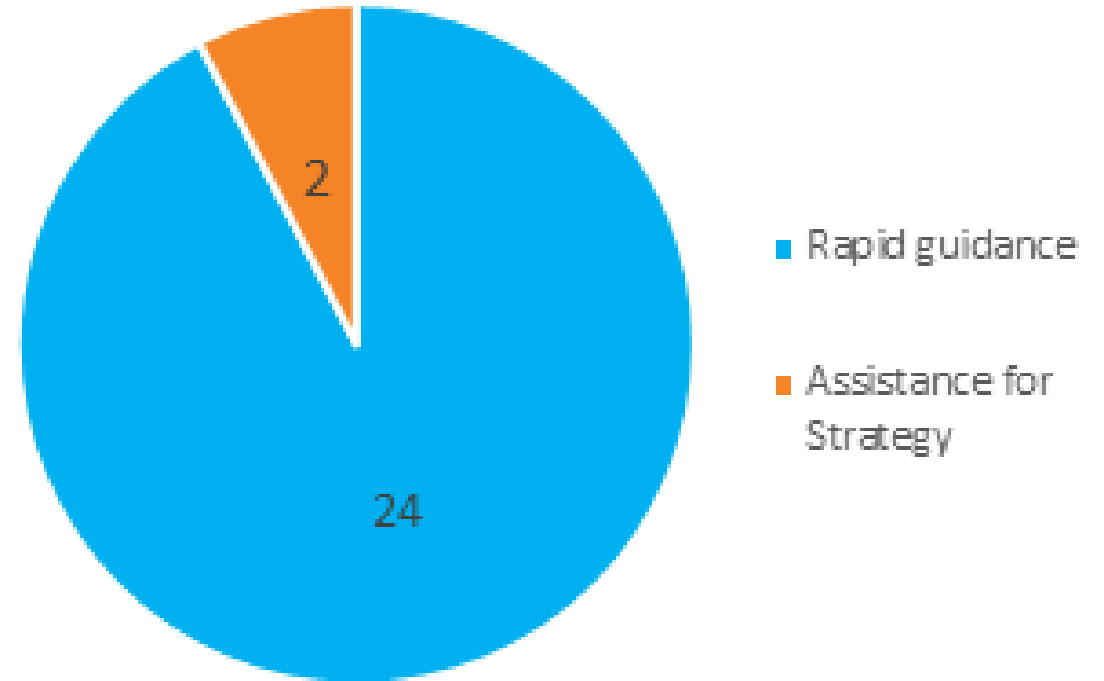
IDM HelpDesk Statistics

Way of communication?



■ HelpDesk ■ Email/Direct ■ Indices Online Tool

Which type of assistance?



■ Rapid guidance
■ Assistance for Strategy

Integrated Drought Management HelpDesk



ASK

Ask for assistance on integrated drought management



FIND

Find knowledge resources on integrated drought management



CONNECT

Join our Community of Practice to CONNECT with our partners and other drought experts, practitioners and stakeholders.

www.droughtmanagement.info



FIND

Website Updated

www.droughtmanagement.info

- Regular update of information on website (activities, news, tools, plans...)
- Library continuously updated (now 327 entries)
- New website template and structure(August 2023). More friendly
- 3 pages included: [Youth Engagement](#), [High-Level Meeting on National Drought Policy +10](#) and [Community of Practice](#)



VISIT HERE

The IDMP supports governments and other stakeholders at all levels on implementing Integrated Drought Management by providing policy, technical and management guidance and by sharing scientific knowledge and best practices.

News



IDMP Helpdesk



Interact with us...



You may also like...



Follow us in:



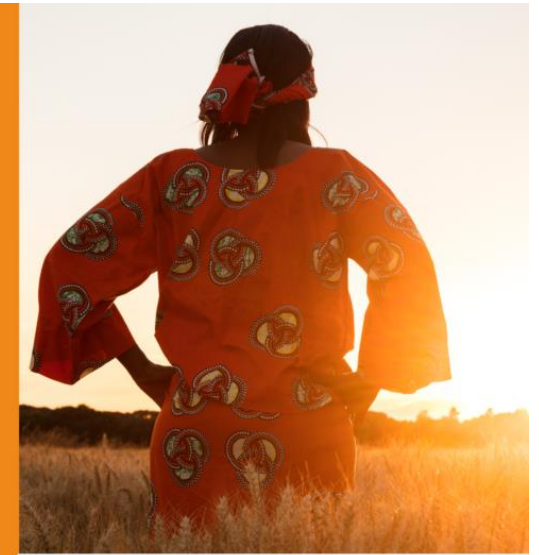


FIND

Social Media

- IDMP is present on **LinkedIn, Twitter, and Facebook**: Shared account with APFM
- Permanent collaboration with Water Youth Network. 
- Campaign on the [2023 World Day to Combat Desertification & Drought is "Herland. HerRights"](#)
- GWP intern will increase our outreach

Women are usually hit first and hardest by drought.



"Women need to have the opportunity to be involved in the development and implementation of drought management plans, policies, and operational plans and procedures."

Dr. Christa Pudenzky
Co-lead of the Expert Team on Drought & Focal Point on Gender Equality for the SERCOM of the World Meteorological Organization

Lecturer on Climate Science at the School of Agriculture & Environmental Sciences University of Southern Queensland



"In some regions women do not have the same rights to the labor market and land ownership as compared to men."

Dr. Andreja Sušnik
Lead of the Expert Team on Drought of the World Meteorological Organization

Slovenian Environment Agency
Ministry of Environment, Climate and Energy





FIND

Knowledge resources on IDM



- Tools and examples of Applications on the 3 Pillars of IDM
- Overview of Drought Management Plans and Policies
- Drought Management **Library** (327 vetted entries) and **IDM Glossary**





FIND

Knowledge products

IDMP production

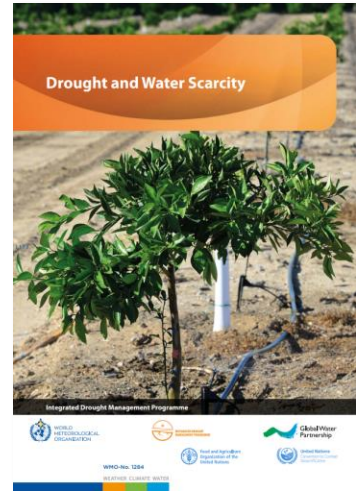
- Drought and Water Scarcity
- Drought Risk Mitigation, Preparedness and Response review paper

IDMP contribution:

- HELP Flagship Report on Drought
- UNCCD SPI Technical Report on Multiscale Approaches for Assessment and Monitoring Resilience of Vulnerable Populations and Ecosystems to Drought

Work in progress

- Integrated Drought Management Framework Document
- Concept paper on common practical approaches to integrate flood and drought management
- Baseline assessment on current practices in drought impact collection



Integrated Drought Management HelpDesk



ASK

Ask for assistance on integrated drought management



FIND

Find knowledge resources on integrated drought management



CONNECT

Join our Community of Practice to CONNECT with our partners and other drought experts, practitioners and stakeholders.

www.droughtmanagement.info



CONNECT

Engagement with international processes

- UNCCD
 - Intergovernmental Working Group on effective policy and implementation for addressing drought under the UNCCD (IWG)
 - Science and Policy Interface (SPI)
- International Drought Resilience Alliance
- Preparation of Drought Resilience+10 – more information later
- FAO WASAG Working Group on Drought Preparedness
- UN Water Conference
- WMO Congress



CONNECT

Engagement with strategic initiatives

- WMO Services Commission
 - Standing Committee on Services for Agriculture Expert Team on Drought
 - Standing Committee on Hydrological Services
- Early Warnings for All (EW4ALL)
- Global Multi-Hazard Alert System (GMAS)
- Global Drought Observatory
- Green Climate Fund (GCF)
- NDC Partnership
- High-level Experts and Leaders Panel on Water and Disasters (HELP)
- Water and Climate Coalition



CONNECT



Drought Resilience

+10

High-level Meeting
on **National Drought Policy**

- International Organizing Committee
- 14 Organizations (FAO, GWP, IWMI, IOM, NDMC, NOAA, UNCCD, UNDRR, UNESCO, WMO, World Bank) & Spain and Morocco
- Likely in Aril 2014 in Zaragoza, Spain
- Many side events held
- Next event at SWWW on Sunday 20 August
- 9 Workstreams with lead organizations

Next steps

- Public review of 2-pager for each workstream
- Organizing Side events
- Organizing poster sessions
- Organizing workstream sessions



VISIT HERE



CONNECT



Drought Resilience +10

High-level Meeting
on **National Drought Policy**

N°	Workstream	Leading organizations
1	Drought resilience and global mechanisms	UNDRR/NOAA
2	Drought risk governance: The regional, national, and local challenges	UNCCD/UNESCO
3	Drought Impact monitoring, assessment and forecasting	WMO/NDMC
4	The need to turn drought policies into action	FAO/UNCCD
5	Ecosystems and drought	IWMI/IUCN/TNC
6	Social inclusion, climate justice and drought	GWP/IWMI
7	Drought risk finance	FAO
8	Public-Private-Civil society partnerships for integrated drought risk management	WMO/GWP/World Bank
9	<i>Health and Drought</i>	?

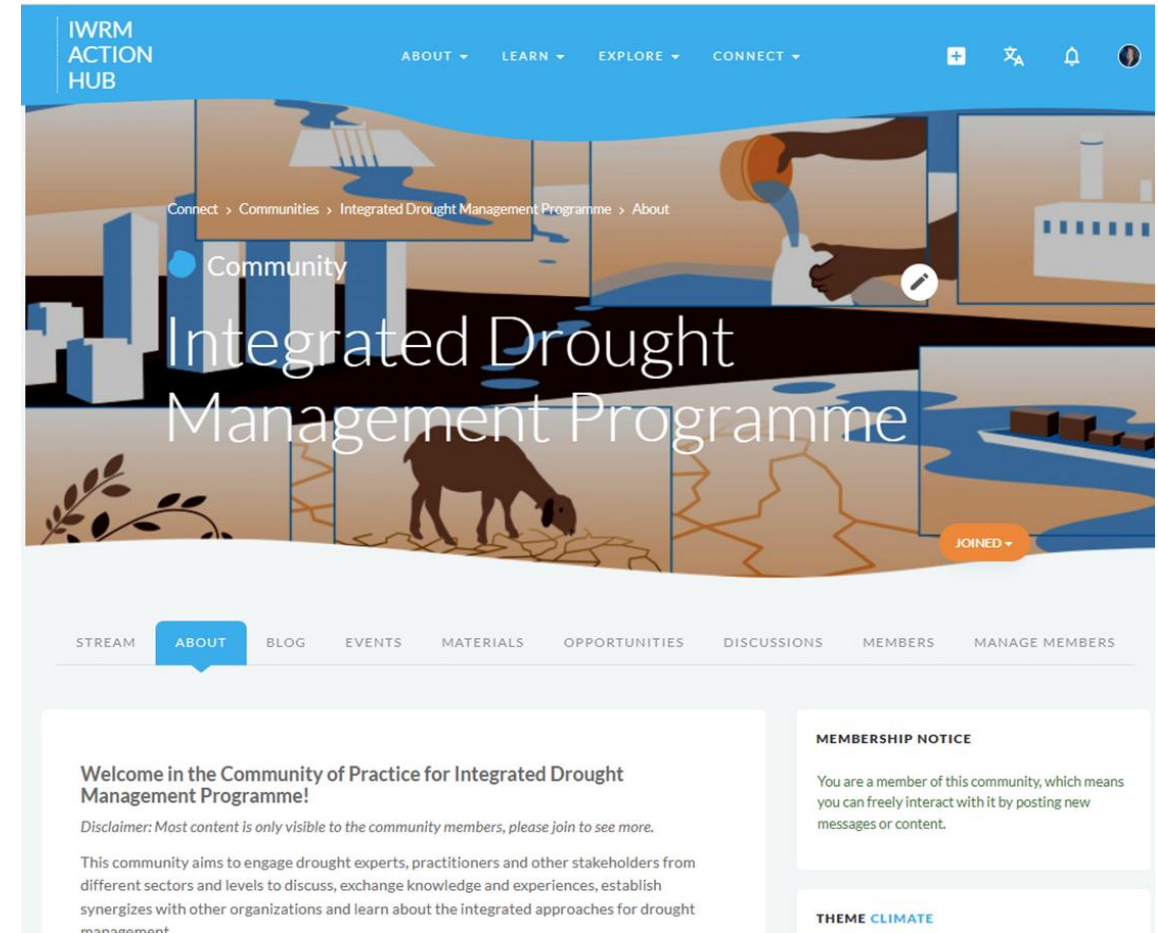


CONNECT

Community of Practice IDMP

to engage drought experts, practitioners and other stakeholders from different sectors and levels to discuss, exchange knowledge and experiences, establish synergizes with other organizations and learn about the integrated approaches for drought management.

Participatory session at 17:00 today!





CONNECT

Capacity building

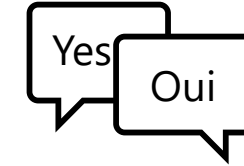
- Collaboration with UNEP-DHI Centre and CapNet
- Free, online and self-paced course was launched and is open until November 2023.

708 People enrolled

118 Certificates issued



MORE INFO HERE



ENGLISH & FRENCH COURSE



INTEGRATED DROUGHT MANAGEMENT:
MONITORING AND EARLY WARNING



IDMP 2023-25 strategy

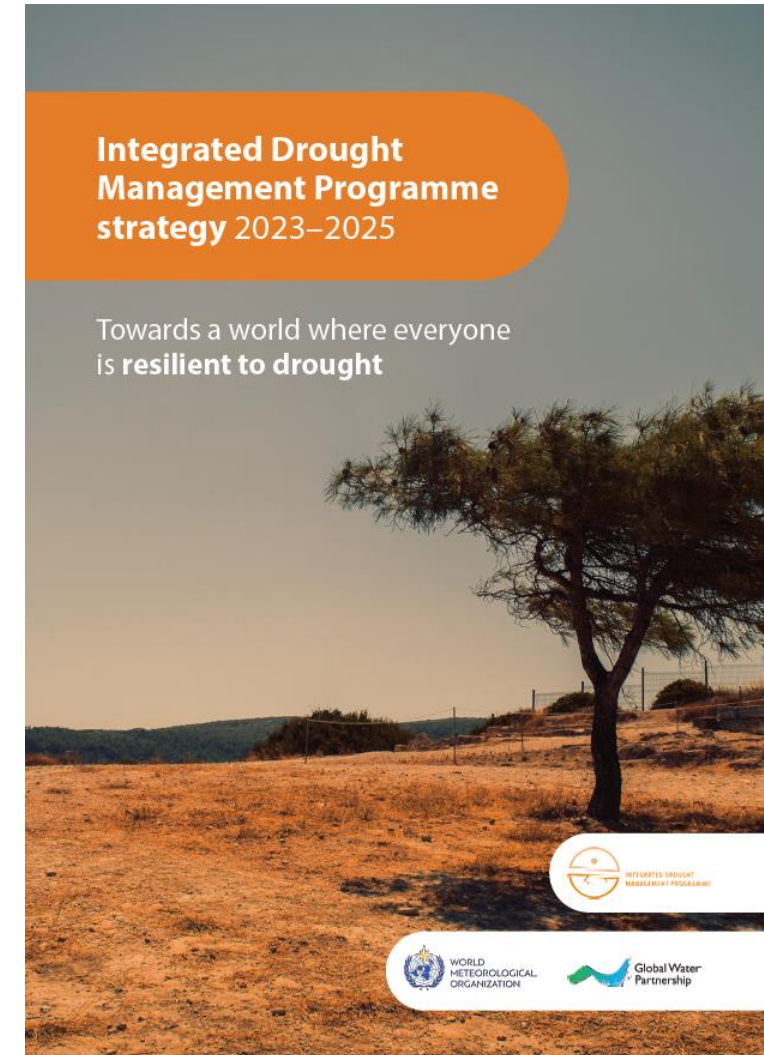
- Vision: Towards a world where everyone is resilient to drought

Structure:

1. Support the Implementation of Integrated Drought Management and Catalyze Change
 2. Generate and Manage Knowledge
 3. Strengthen Partnerships
- Programme Management and Implementation
 - Metrics of success



[DOWNLOAD HERE](#)



Youth engagement

- New Page on [Youth Engagement](#)
- [Webinar “Engaging and Empowering Youth in Early Warning Systems for Flood and Drought Resilience”](#) with **+100 participants** from different regions.
- [Youth Competition](#)
 - **35 proposals** from Africa, Asia and Latin America.
 - **14 short-listed** projects will be presented on August 30/31st
- Alliance with Water Youth Network



Youth professionals play an important role in drought management and policies since they bring new ideas and innovative ways to connect with people, as well, proposing the use of communication systems to help communities prepare for climate-related hazards.

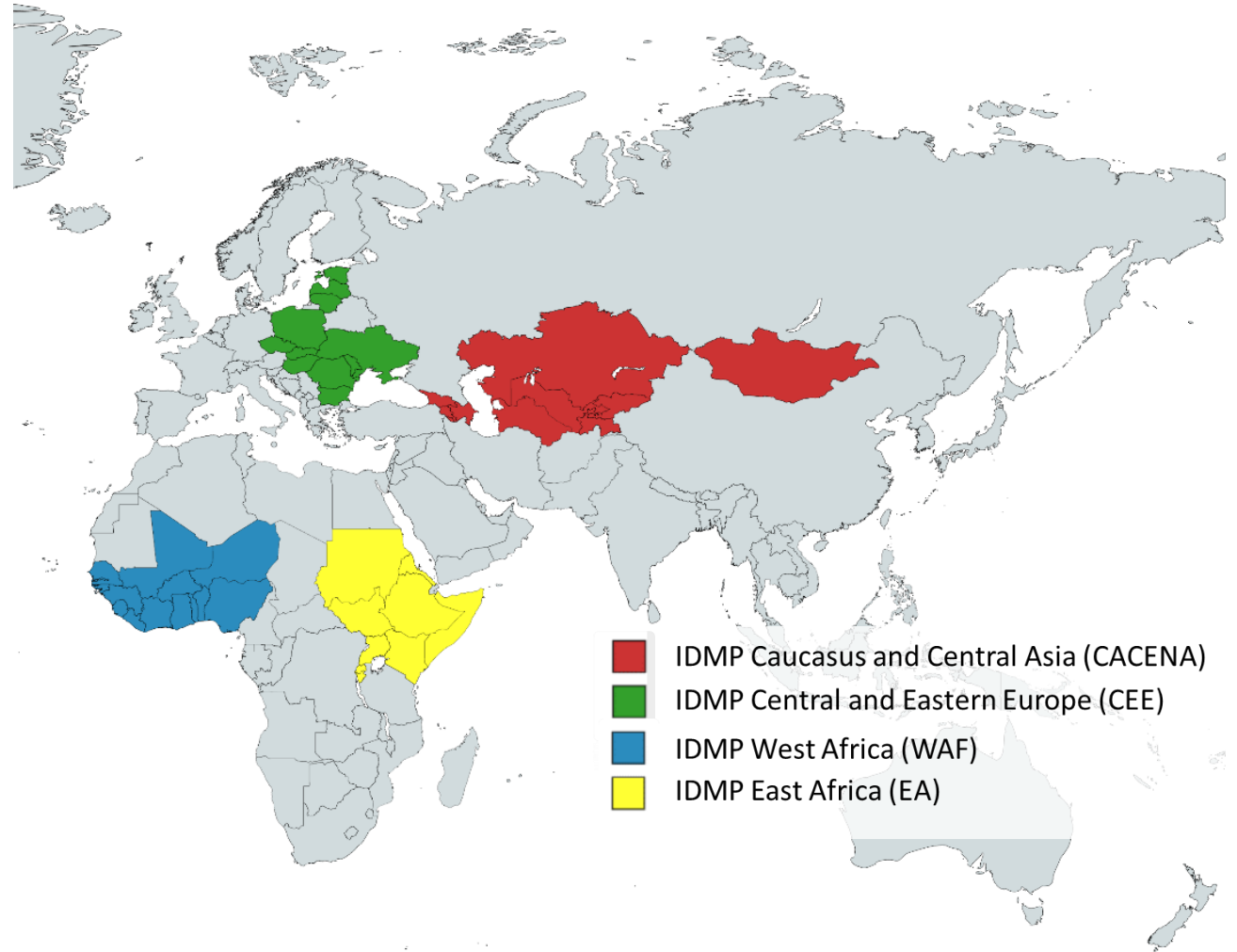
Open to increase activities and engagement with new youth organizations or groups.

Review of 2022 recommendations by AC/MC

- **IDMP 2022/23 activity report**

IDMP Regional Programmes and activities

- IDMP in Central and Eastern Europe
- IDMP in Central Asia and Caucasus
- IDMP in the Horn of Africa
- IDMP in West Africa
- South America (SISSA)
- WMO drought-related projects



Strategic issues driven by the IDMP

- HelpDesk extension to informing IWRM
- Project proposal development
- Policy Activities (UNCCD)
- Early Warning 4 All

Current WMO Projects

- **CREWS Papua New Guinea – Drought EWS**

- [Link to latest Bulletin](#)



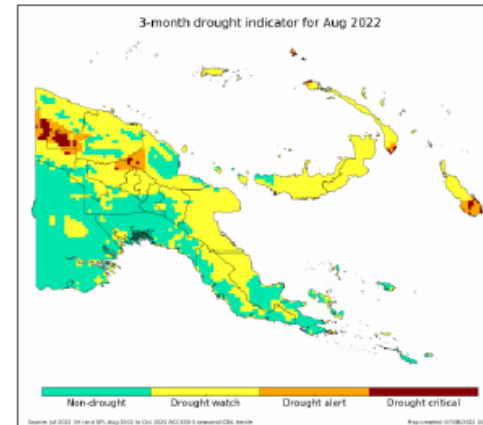
Issued August 15

Key messages

Drought Watch is active for most provinces across the country which is due to rainfall deficiencies in the last few months. Majority of the provinces are **at severe drought risk** whilst Chimbu, Gulf, Hela, Manus, Milne Bay New Ireland, Northern and Western Highlands are at **moderate risk** in July.

Drought Early Warning Status

Derived from observed rainfall and vegetation health; and forecasted rainfall.



Drought map input details can be found [here](#). [Click to enlarge](#)

- [Rainfall over the last month](#) was notably below average in the Islands region including Bougainville, northern parts of East and West Sepik, Enga, Western Highlands, Morobe, Oro and Milne Bay Provinces.
- [Rainfall over the last three months](#) was below average across most provinces in the country, except Gulf, Southern Highlands, Hela and northern parts of Kiunga.
- [Vegetation health conditions](#) indicate some mild vegetation stress present over East & West Sepik, Madang and Hela provinces.
- At the [6-month timescale](#), South Bougainville and parts of New Ireland province remain drought affected.
- Despite a [wet forecast](#) in the coming months, below average rainfall in the [past months](#) is contributing to a drought watch.

3-month timescale provincial summary (detailed status table [here](#))

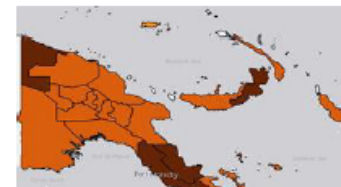
Drought Watch	Drought Alert	Drought Critical
Bougainville, East New Britain, Manus, Milne Bay, Morobe, NCD, New Ireland and West New Britain	None	None

Drought Risk Status

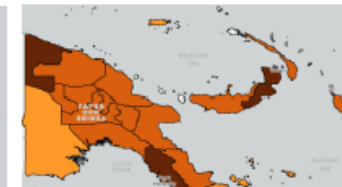
An indication of past drought risk based on drought hazard, exposure and vulnerability.

- Bougainville, Central, East New Britain, East Sepik, Enga, Jiwaka, Madang, Morobe, NCD, Southern Highlands and West New Britain provinces are all at severe risk levels. The provinces will continue to be monitored.
- Chimbu, Gulf, Hela, Manus, Milne Bay, New Ireland, Northern and Western Highlands provinces are at moderate risk level.

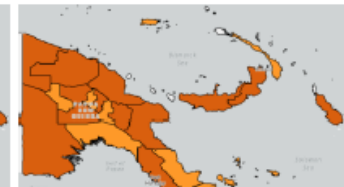
May 2022



June 2022



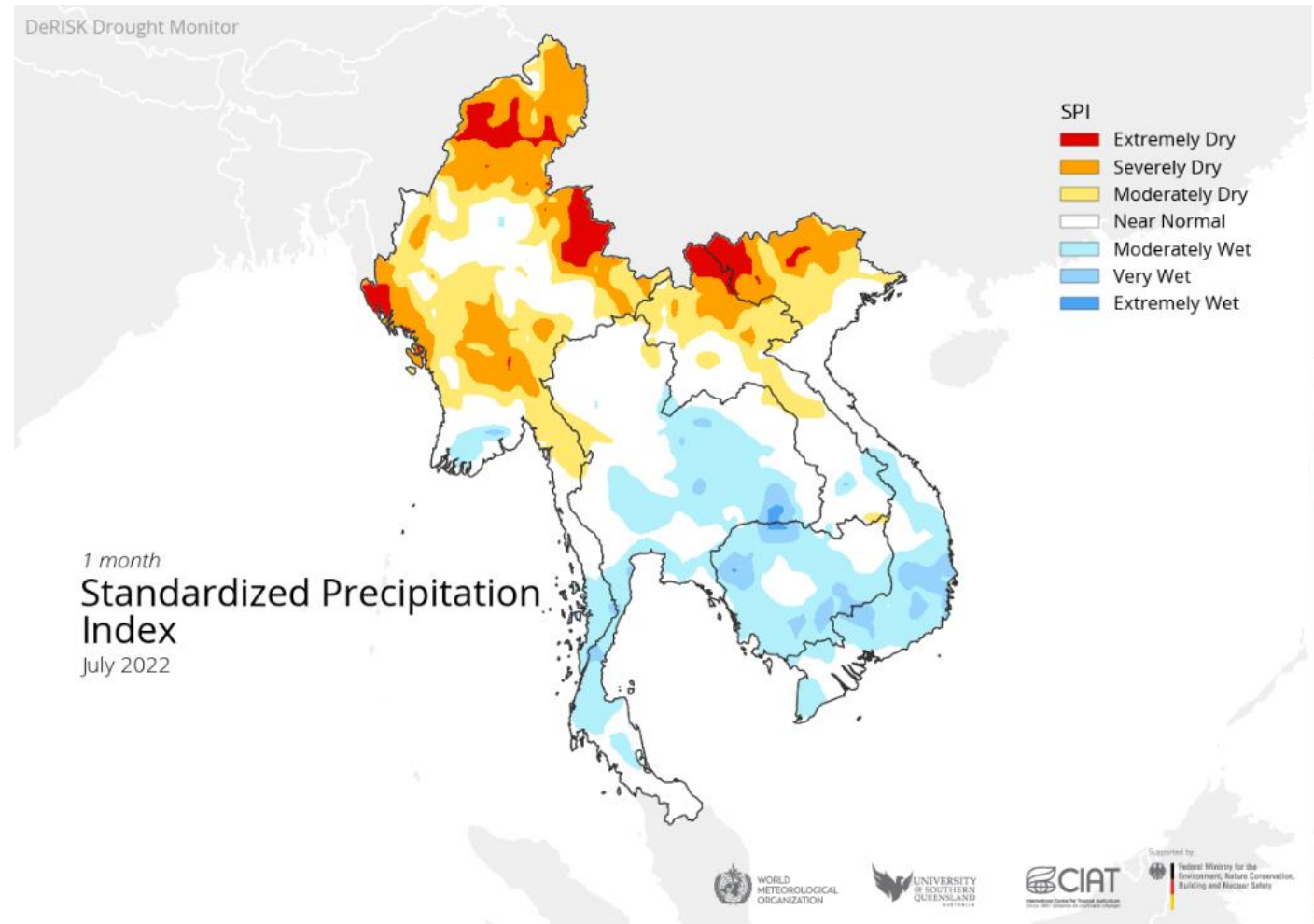
July 2022



Current WMO Projects

- **IKI DERISK SouthEast Asia** - Applying seasonal climate forecasting and innovative insurance solutions to climate risk management in the agriculture sector in SE Asia

- [Link DERISK Website](#)



Current WMO Projects

- **CREWS Lao-Cambodia: Drought Activities**
- Develop Drought Management Policy/Strategy
- Organize stakeholder consultations
- Set-up Regional Drought Management Learning Exchange Platform (community of Practice) and Website
- Endorsement of Drought Management Policy/Strategy by National Level Committee (High-level)
- [Link to Project Website](#)



Current WMO Projects

- **Volta Basin Flood and Drought Project**
- [Link to Website](#)

WORLD METEOROLOGICAL ORGANIZATION

Global Water Partnership West Africa

AUTONITE DU BASSIN DE LA VOLTA
VOLTA BASIN AUTHORITY

JULY 2022

ADAPTATION FUND

myDEWETRA

HOME PROJECT PORTAL FEATURES DISCLAIMER

Volta Flood and Drought Management

ADAPTATION FUND

Hydro-meteo VOLTALARM alerting Volta Basin for extreme events

myDEWETRA
Observation Prediction Prevention

PROTEZIONE CIVILE

MORE THAN 40 NATIONAL/REGIONAL CAPACITY DEVELOPMENT WORKSHOPS AND TRAINING ACTIVITIES ALREADY CONDUCTED

The Volta Project: A first large scale and transboundary implementation of Integrated Flood and Drought Management

The Volta Basin project entitled Integrating Flood and Drought Management and Early Warning for Climate Change

Adaptation in the Volta Basin kicked-off in June 2019 and will end in June 2023. It aims at empowering the

Project proposal development

- **Drin Basin – Balkans (Albania, Montenegro, North Macedonia) (Adaptation Fund)**
- **Central Asia (5+ Afghanistan) (Adaptation Fund)**
- **Vietnam, Lao (CREWS)**
- **Mekong River Basin Flood and Drought (Adaptation Fund)**
- **Caucasus**
- **Exploring opportunities with Green Climate Fund and NDP Partnership for various countries**

Capacity building

- **Near term:** extend e-learning courses (self-paced) based on the Drought Risk Management Manual, potentially in collaboration with UNCCD and the new Community of Learning and Practice
 - All 3 pillars
 - Social Inclusions
 - NBS
- **Mid-term:** Develop a capacity building strategy that encompasses a needs assessment, different resource mobilization and capacity building activities and tools, including collaborative efforts with IDMP partners, work plan

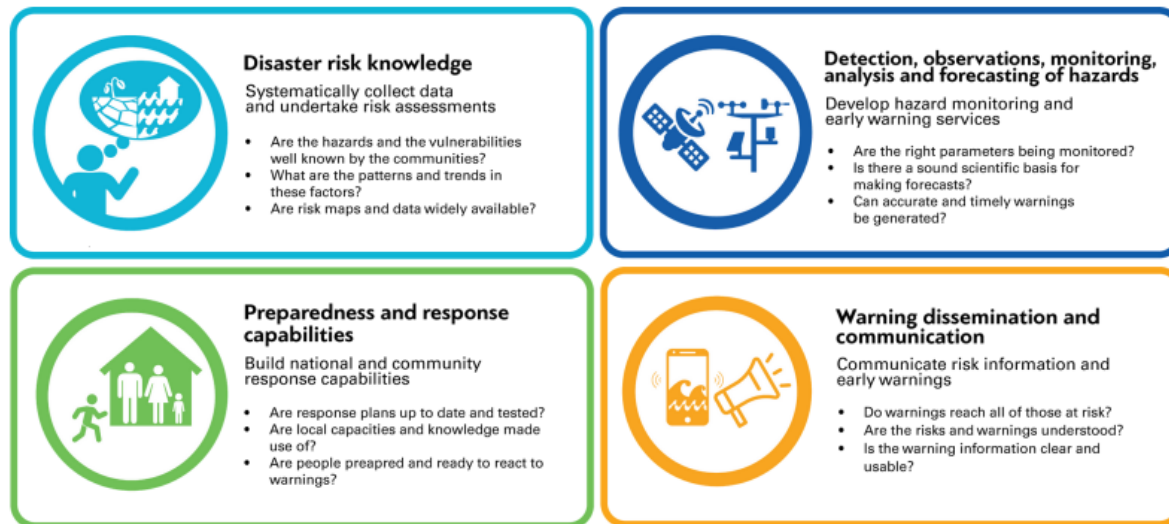
Policy activities

Global level:

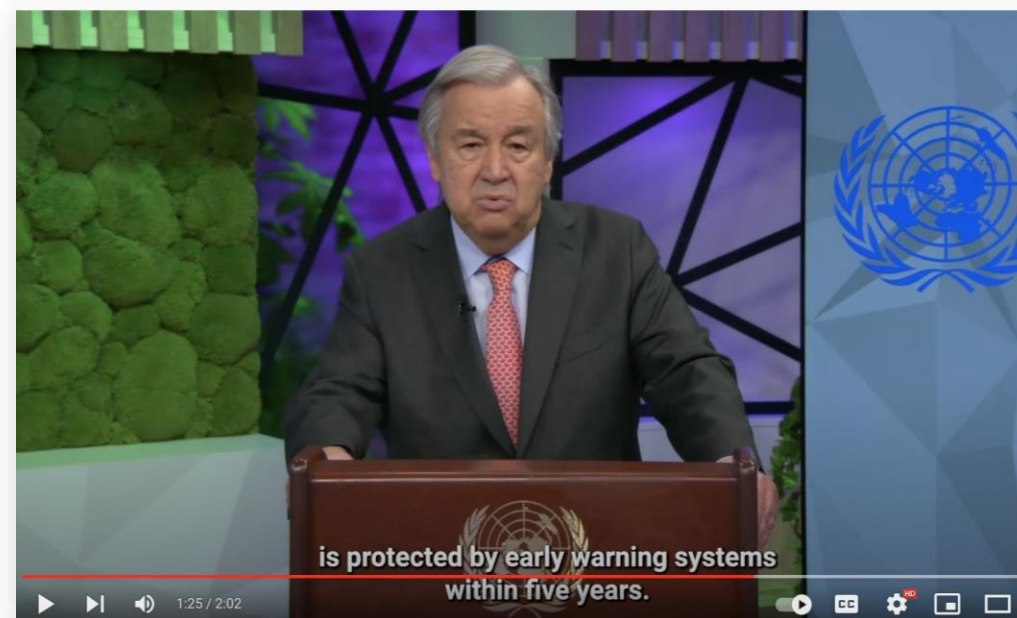
- UNCCD COP15 parties had a decisions on IDMP (decisions 3 and 4.):
- *“The Conference of the Parties, [...] invites the Integrated Drought Management Programme and its cooperating partners, acting within their respective mandates, subject to the availability of resources, to support Parties, where necessary, in [...] systematically integrating the findings from drought resilience assessments into drought early warning systems and into drought resilience planning [...]”.*
- *“Further encourages Parties to pursue the development and implementation of integrated drought risk management from existing communities of practice and learning networks, including the Integrated Drought Management Programme and its cooperating partners, and to monitor and assess drought risk in natural and managed ecosystems...”* with focus on NbS

Early Warning 4 All

- The UN Global Early Warning Initiative for the Implementation of Climate Adaptation



APFM and IDMP are part of the initiative



Today I announce the United Nations will spearhead new action to ensure every person on Earth is protected by early warning systems within five years. I have asked the World Meteorological Organization to lead this effort and to present an action plan at the next UN climate conference, later this year in Egypt.



UN Secretary-General Antonio Guterres on World Meteorological Day 23 March 2022

Partners' Marketplace

- Korea Water Resources Corporation (K-Water)
- The Nature Conservancy (TNC)
- IHE Delft
- Asian Disaster Preparedness Center (ADPC)
- International Water Management Institute (IWMI)
- ...

Strategic Initiatives driven by partners

- UNCCD COP-15 and UNCCD Drought Initiative, IWG and SPI
- International Drought Resilience Alliance (IDRA)
- FAO Global Framework on Water Scarcity in Agriculture (WASAG) Working Group on Drought Preparedness
- WMO drought activities (SC-AGR Expert Team on Drought; Global Multi-Hazard Alert System (GMAS))

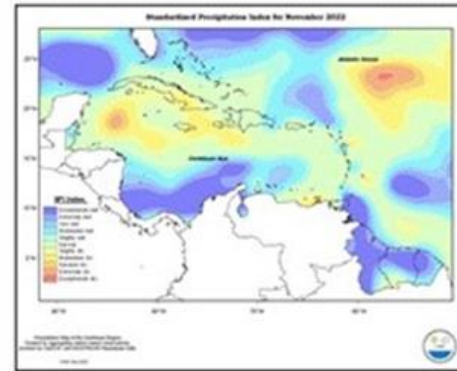
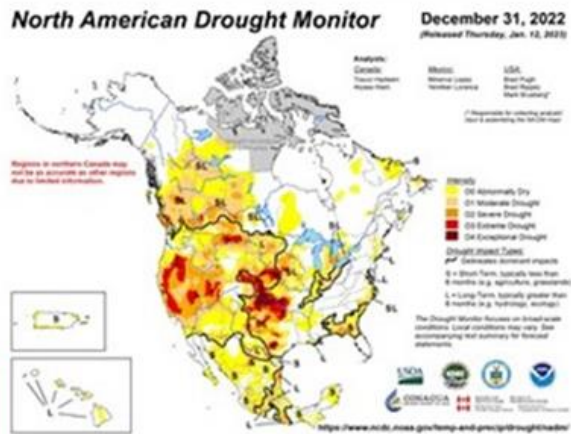
SC-AGR Expert Team on Drought

Output from Drought Writing Workshop (Slovenia June 2023)

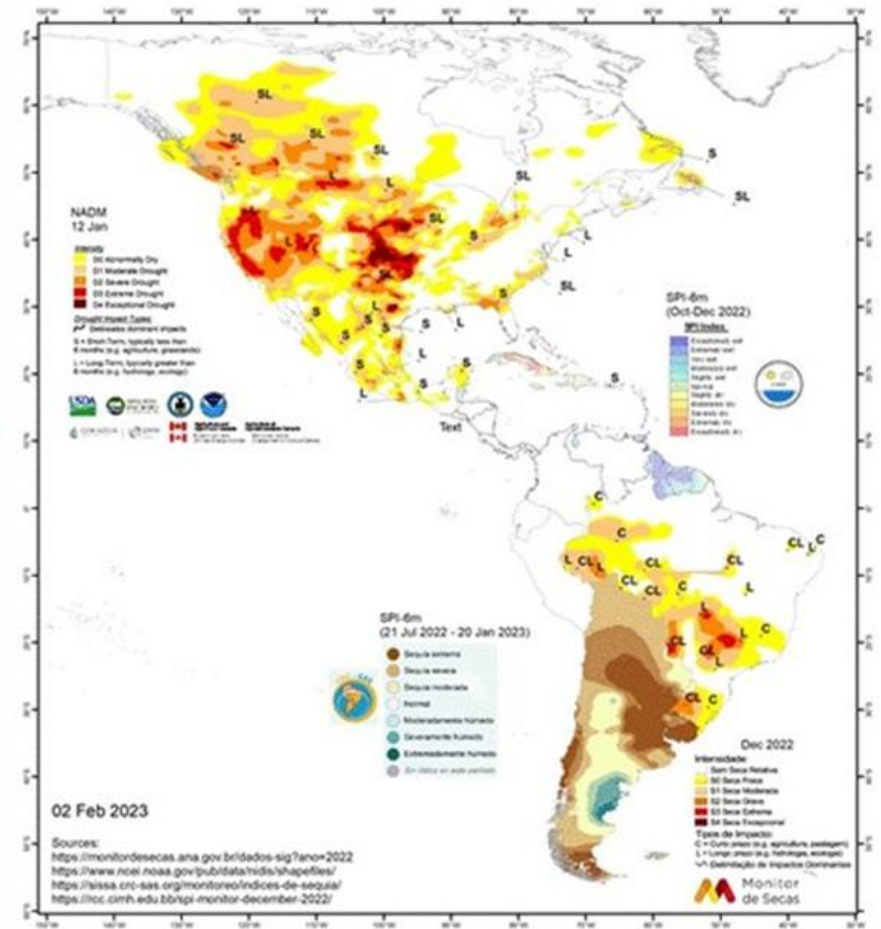
Draft Implementation Plan for National Drought EWS

- **Objective A.** Establish a methodology to collect national and regional drought monitoring products and dataflows (WMO standards) created on existing infrastructure managed by Members
- **Objective B.** Develop and strengthen drought monitoring capacities of WMO Members
- **Objective C.** Strengthen drought impact collection and drought vulnerability assessments
- **Objective D:** Develop and strengthen national drought EWS
- **Objective E:** Develop and strengthen drought prediction in the context of EWS
- **Objective F.** Increase visibility and use of drought alerts (Communication Issues)
- **Objective G:** Develop and strengthen national drought actions plans (management / adaptation)
- **Objective H.** Cooperation with DRR & MHEWS on national/regional/global level

Mapping of National Drought Products

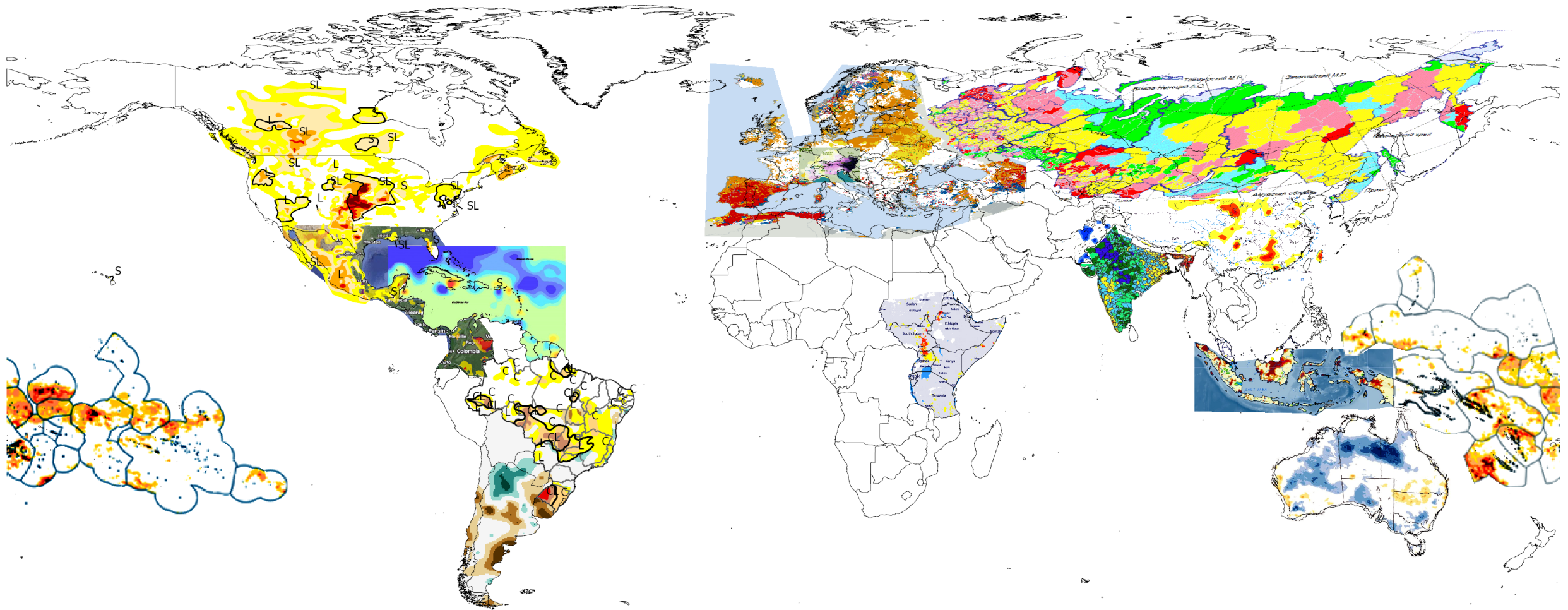


Drought Mockup for the Americas



Prototype of merging 4 national and regional drought products into one GIS map

Mapping of National Drought Products



Round-table discussion: The Drought Resilience+ 10 conference

- What have we done since 2013
- Where do we go from here?

- How can partners contribute overall and to the workstreams?
- Posters, Parallel sessions

World Water Week sessions of IDMP partners on drought



- **20 August 10:30- 11 h:** HELP Consortium - Connecting water, DRR and climate change: towards World Water Forum (hybrid)
- **20 August, 11-12.30 h:** Drought Resilience +10 IOC - Cooperation for Drought Resilience (hybrid)
- **22 August 10-12:30:** Worldbank, Deltares, IDMP - Innovative tools and approaches for hydro-climatic risk management (online)
- **24 August:** GWP, UNCCD Sec - Accelerating governance change through social innovation and communities of practice (hybrid)

World Water Week IDMP Session



Session ID 11509

Cooperation for Drought Resilience - Integrating Practice and Knowledge

Sunday, 20th August 2023
11:00 hrs - 12.30 hrs CEST
A2 & Online



Register Here

WWW.IDMP.INFO



Thank you!



ASK

Ask for assistance on integrated drought management



FIND

Find knowledge resources on integrated drought management



CONNECT

Join our Community of Practice to CONNECT with our partners and other drought experts, practitioners and stakeholders.

www.droughtmanagement.info