





Cooperation for Drought Resilience

IDMP 2024 Advisory Committee meeting

Agenda of the AC meeting

Tuesday, 25th June

- Welcome and opening of the meeting
- Overview of current activities and follow-up of the recommendations of the 2023 AC/MC meetings
- WMO-led initiatives relevant for drought
- Presentation and discussion of regional activities
- UNCCD-organized drought policy session
- Flood and Drought Session
- Partners' Marketplace
- Community of Practice session Strategic issues driven by partners
- Closing latest by 17.30PM







Agenda of the AC meeting

Wednesday, 26th June

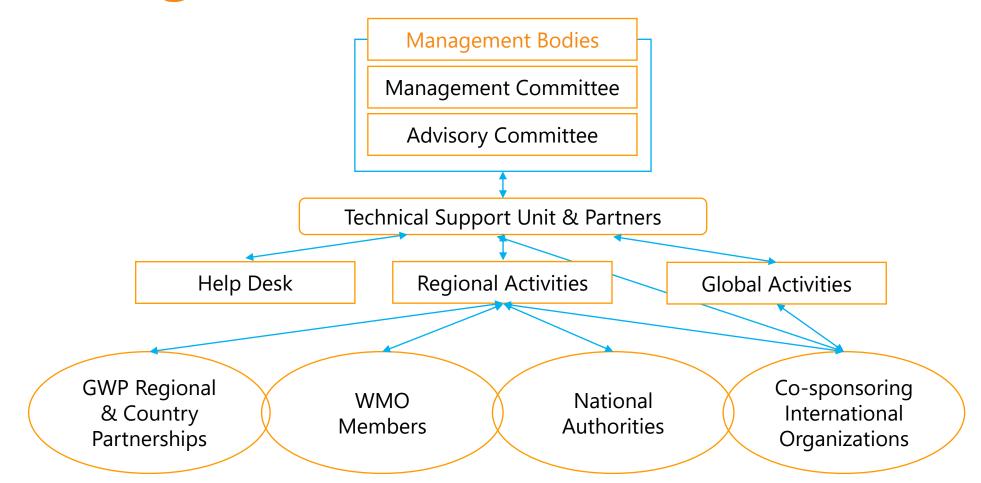
- Science session, organized by the Drought in the Anthropocene Group (DitA)
- Drought Resilience +10
- Summary of recommendations
- Closing of AC (latest by 12.30PM)







IDMP governance structure









The IDMP



Information hub: droughtmanagement.info **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







The IDMP partners

ORGANIZATION



MANAGEMENT PROGRAMME





NDS

NIDIS

UK Centre for

United Nations Educational, Scientific and Cultural Organization

UNESCO

Vrije Universiteit Amsterdam

Ecology & Hydrology

New MoU between WMO and GWP









Integrated Drought Management HelpDesk



www.droughtmanagement.info









- 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



+ EOTEC DevNet; Drought in the Anthropocene Group (DitA)









IDM HelpDesk Statistics

2022: 38 2023: 33 (potentially due to technical problems) 2024 (until May): 40







Review of 2023 recommendations by AC/MC

IDMP 2023/24 activity report







Integrated Drought Management HelpDesk

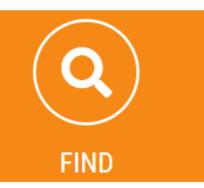


www.droughtmanagement.info









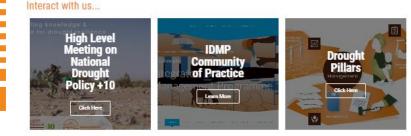
Website Updated

www.droughtmanagment.info



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.







Follow us in: in У

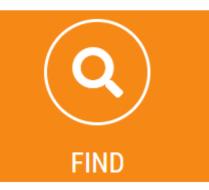


- Regular update of information on website (activities, news, tools, plans...)
- Library continuously updated (now 328 entries)
- New website template and structure in 2023. More user friendly
- 3 pages included: <u>Youth Engagement</u>, <u>High-Level</u> <u>Meeting on National Drought Policy +10</u> and <u>Community of Practice</u>





VISIT HERE



Social Media

- IDMP is present on LinkedIn, Twitter, and Facebook: Shared account with APFM
- Permanent collaboration with Water Youth Network.



- Campaign on the World Environment Day
 World Drought Day
- Used for Drought Resilience +10



🙇 The future of our land is at stake. 🙇

Desertification, land degradation, and **#drought** are among the most pressing environmental challenges of our time, with up to 40% of all land area worldwide already considered degraded.

As we navigate these challenges, at IDMP we are exploring opportunities to scale up our efforts and grow our impact in building **#DroughtResilience**. **%**

Two major events will guide our path forward: the Drought Resilience+10 Conference (30 September - 3 October 2024, Geneva, Switzerland), and the UN Convention to Combat Desertification COP16 (2 - 13 December, Riyadh, Saudi Arabia). These will be pivotal in shaping our strategies for the years to come for combating land degradation and enhancing #DroughtAction.



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APFM - IDMP WMO - GWP • 1st Associated Programme on Flood Management (APFM) and Integrated Drough...

Building #DroughtResilience is a "whole-of-society" mission. 🙌

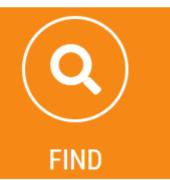
Civil society must be part of the conversation when it comes to scaling up integrated drought management.

Ways to enhance public - private - civil society partnerships for drought action will be addressed at the Drought Resilience+10 Conference IF in a discussion led by **World Meteorological Organization**, **Global Water Partnership** and **The World Bank**.









Knowledge resources on IDM



- Tools and examples of Applications on the 3 Pillars of IDM
- Overview of Drought Management Plans and Policies

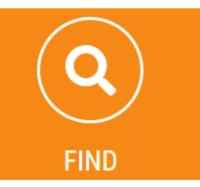


 Drought Management Library (328 vetted entries) and IDM Glossary









Knowledge products

Being edited

- Baseline report on drought impact monitoring (final editing)
- Concept paper on common practical approaches to integrate flood and drought management (under editing with FAO)

Under review

- Guidelines on drought impact monitoring (based on baseline report) (soon to be shared)
- Guidelines on Institutional Coordination of Drought Policy in collaboration with FAO
- Analysing Gender Equality and Social Inclusion in National Drought Plans
- Toolkit to develop drought legislation (soon to be shared)

Pipeline

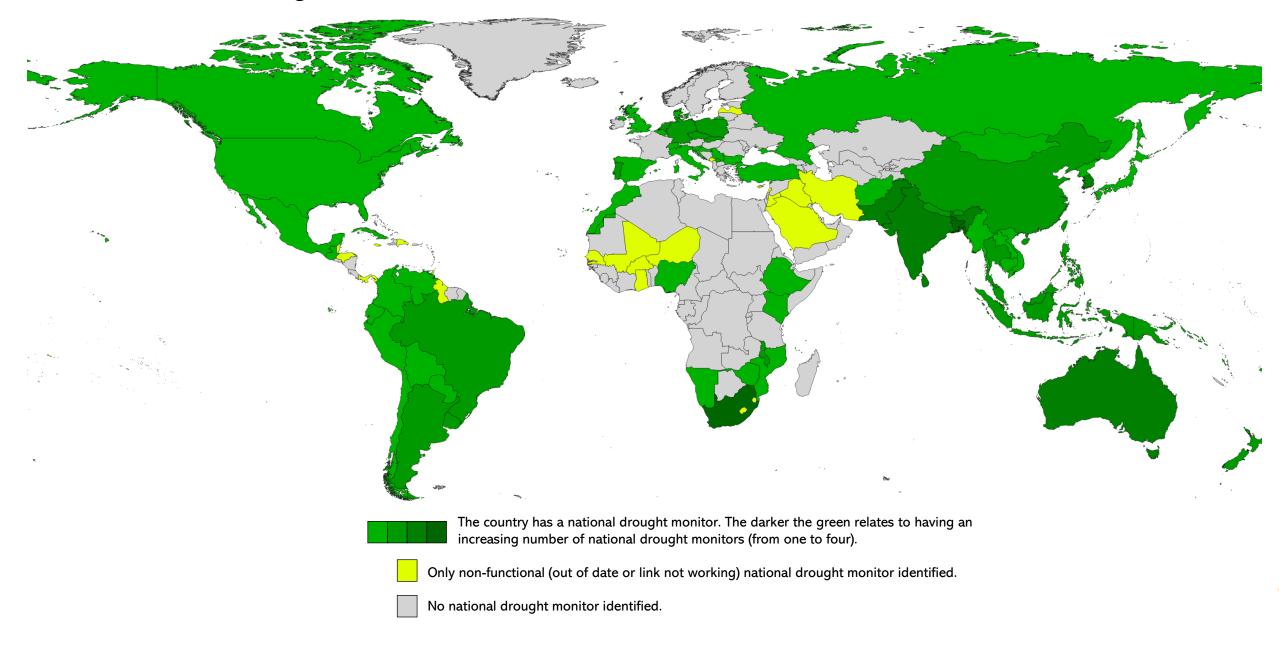
- Flash droughts
- Drought Early Warning Systems
- Drought as compound / cascading event





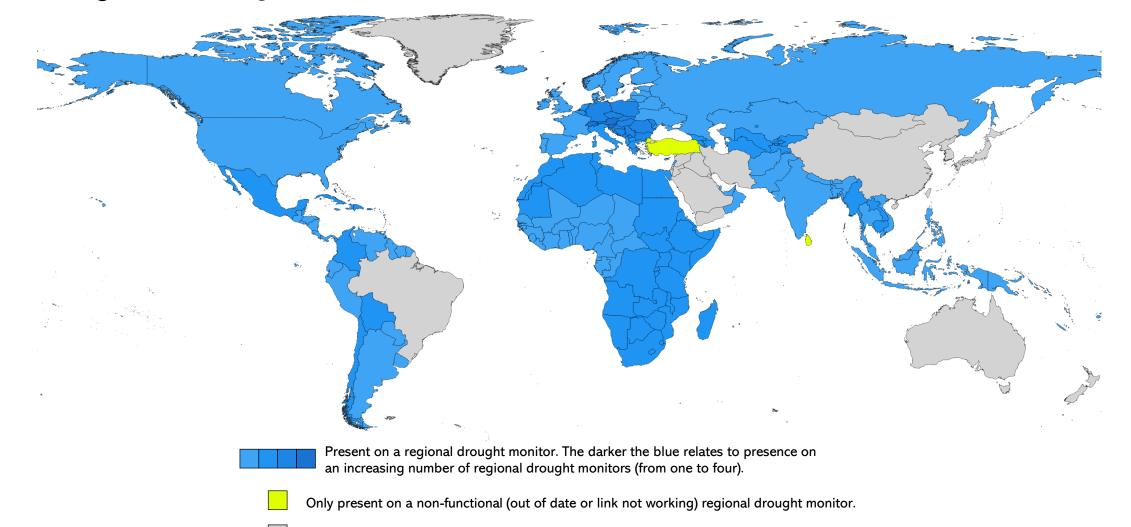


World National Drought Monitors



• Functional national drought monitors: 105, covering ~81 countries.

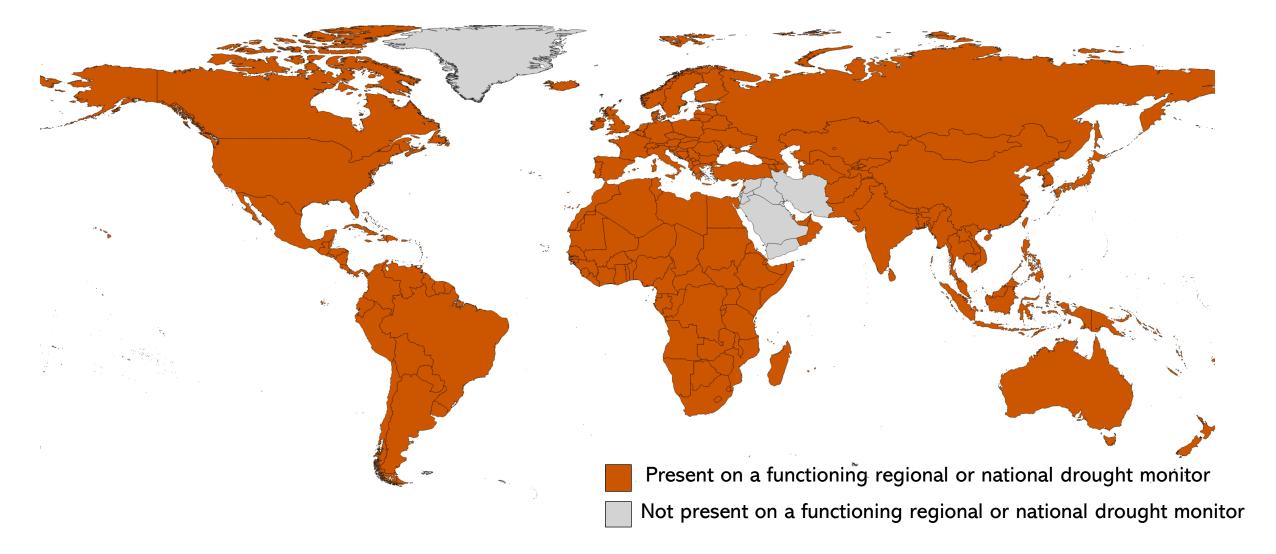
World Regional Drought Monitors



Not present on a regional drought monitor.

- Functional regional drought monitors: 19, many of which overlap, covering ~180 countries (excluding partial coverage of a country).
- The drought monitors vary from interactive maps to downloadable bulletins, usually updated monthly or dekadal, applying a range of drought indices.
- Most are hosted by national meteorological services (often within agro-met sections), or research institutions (especially regional drought monitors).
- The maps are aimed to be exhaustive, but the varied sources and languages mean the online identification method likely missed some examples.

World Regional and National Drought Monitors

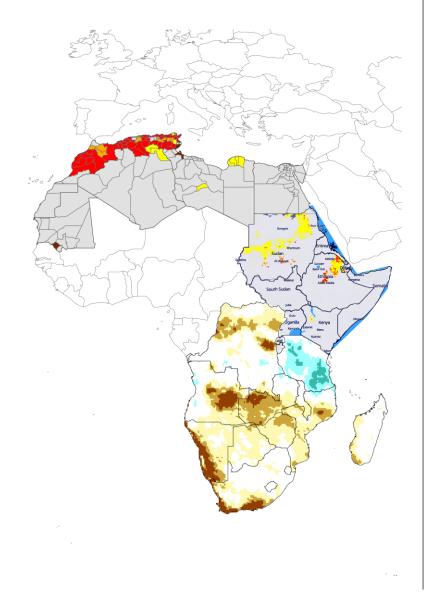




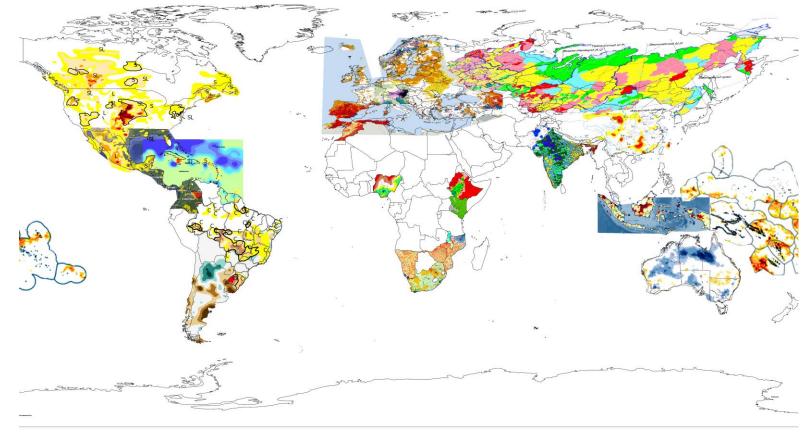




Africa Regional Drought Monitors



World Regional and Africa National Drought Monitors



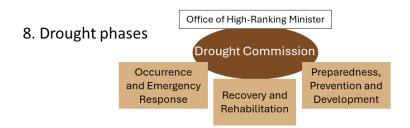






GUIDELINES ON INSTITUTIONAL COORDINATION FOR DROUGHT MANAGEMENT





by

David W. Walker Independent consultant

Maher Salman & Eva Pek FAO

Robert Stefanski & Valentin Aich WMO-GWP

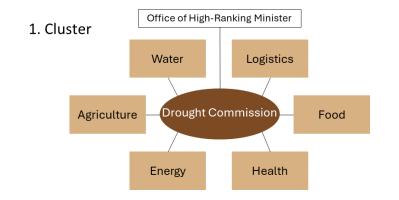








United Nations Convention to Combat Desertification



Home / Land & life / Drought

The Drought Initiative



World Drought Legislation Repository and Tools for the Assessment and Drafting of Drought Legislation

Objectives

- Database of drought legislation from a variety of sectors, including water, agriculture, environment, finance, etc.
- Definitions of different types of drought legislation, e.g. drought law, regulation, plan, policy, strategy, etc.
- Rapid legal assessment tool to guide the policy process for drought legislation.
- Template terms of reference for developing drought legislation.

Please get in touch and provide a link or pdf if you are aware of <u>specific</u> drought legislation in your country.

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Baseline Assessment of Drought Impact Collection/Monitoring Efforts

Guidelines on Drought Impacts Data Collection

May 2024

for the Integrated Drought Management Programme

Six steps for establishing drought impacts data collection

 Agree: The goals and purpose of drought impacts data collection must be defined and agreed;

 Assess: Conduct an impact and vulnerability assessment to understand drought impacts for different sectors, or the particular sector and area where the programme will be initially established;

3. Take inventory: Survey available impact data and identify gaps;

 Plan: Create a plan how missing impacted sectors can be monitored continually with continued stakeholder input and participation;

5. Implement: Establish the impact data collection process;

 Review and improve: Continuously monitor and evaluate the data collection programme, particularly during and after drought, and periodically revise the process.

For ease of use and practicality, a checklist was developed for each step

Selecting a drought impacts data collection solution

Case Studies	Case	Stud	lies
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			Potential drought impacts data collection solutions
Least effort and resources required		Basic analysis of existing datasets	Government and industry statistics and data portals, i.e. annual/periodic existing data showing drought signal, e.g. agricultural production, hydropower output
	ıg data		Utilise existing NGO, community, research/academic impacts monitoring programmes, e.g. projects on iNaturalist and Zooniverse
	existir		Utilise existing global products, e.g. remote sensing datasets like those of GIEWS, FEWS NET
	Utilisation of existing data	More complex acquisition, processing and analysis of existing data	Web scraping, social media harvesting, newspaper archives, impacts databases, i.e. historic event-based data, e.g. EDII, EM- DAT
	Utilis		Establish a drought impacts database and input historical and new impact information derived from news, governmental and academic reports, e.g. the EDII model and IDID models
			Real-time monitoring of internet/social and traditional media trends, e.g. NDMC Drought tweets and Drought Media Index
		Extend existing monitoring	Extend existing formal data collection to incorporate metrics that show a drought signal, e.g. water companies could monitor and provide data on water use in different areas and sectors if they don't already
	lata		Leverage an existing successful crowdsourcing/citizen science programme to incorporate drought impacts monitoring, e.g. the CACORAHS model in the U.S.A.
	Collection of new data	Newly established dedicated monitoring	Establish a dedicated drought impacts data collection programme conducted by a nominated institution as part of their data collection tasks, e.g. Brazil's Monitor de Secas.
	llection		Establish a dedicated drought impacts data collection programme and train dedicated volunteer observers, e.g. Intersucho in Eastern and Central Europe
Most effort	3		Establish a dedicated drought impacts data collection programme that is publicly available and crowdsource data, e.g. CMOR Drought in the U.S.A., NACP drought monitor in Australia
and resources required			Establish a dedicated drought impact data collection team who are permanently employed as part of a drought commission, e.g. the field monitors of Kenya's NDMA



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
- WMO Congress
- Santiago Network (UNFCCC)
- Input letter to Glasgow dialogoue on L&D









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

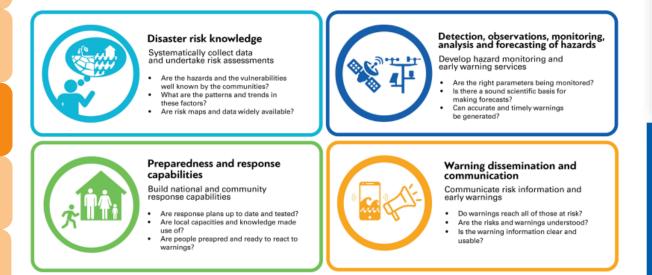






Early Warning 4 All

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.

- 6

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







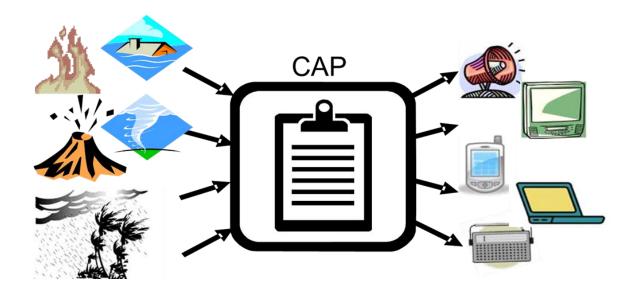
The Common Alerting Protocol (CAP) Recommended practice Cg-19

• At the Nineteenth World Meteorological Congress (Cg-19), 2023 CAP was endorsed as a recommended practice to be routinely utilized for the dissemination of warnings and is now included in the Technical Regulations, Volume I (WMO-No. 49).



Common Alerting Protocol

• Standard message format that caters to all types of emergencies designed for all media, all hazard communications to anyone.

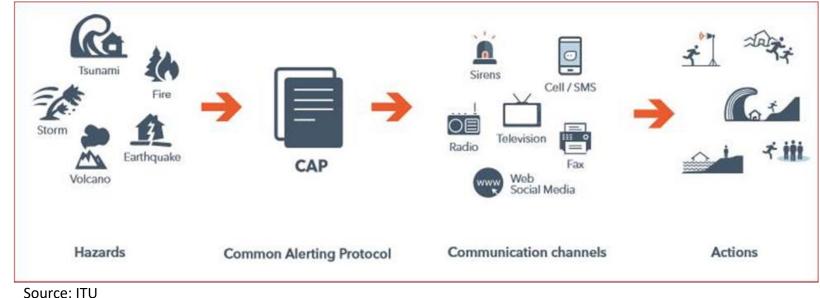


• A standard business form for alerting, designed for any media, to communicate information about any kind of hazard situation.



Benefits of CAP

- <u>Consistency</u> over multiple channels, allowing exact corroboration of alert information.
- Digital message format is <u>compatible</u> with all kinds of existing and emerging systems-data networks, broadcast radio and TV.
- Useful for multilingual communication.





Filtering and Routing Criteria

• Event Categories

Geo, Met, Safety, Security, Rescue, Fire, Health, Env, Transport, Infra, Other

- **Urgency:** Timeframe for responsive action (*Immediate, Expected, Future, Past*)
- **Severity:** Level of threat to life or property (*Extreme, Severe, Moderate, Minor*)
- **Certainty:** Probability of occurrence (Very Likely, Likely, Possible, Unlikely)

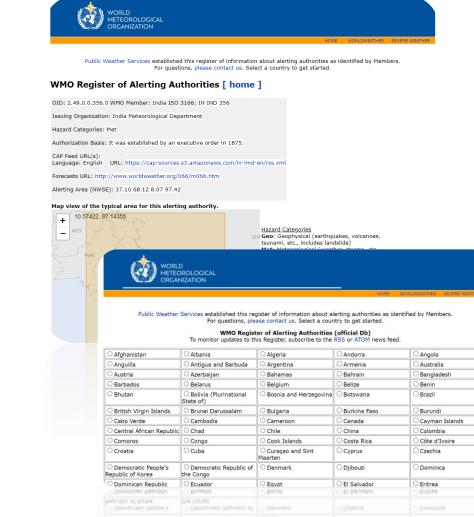


WMO Register of Alerting Authorities

 Enables warning aggregators to ascertain warnings from the authorized sources.

https://alertingauthority.wmo.int







CAP and Early Warnings for All

"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."

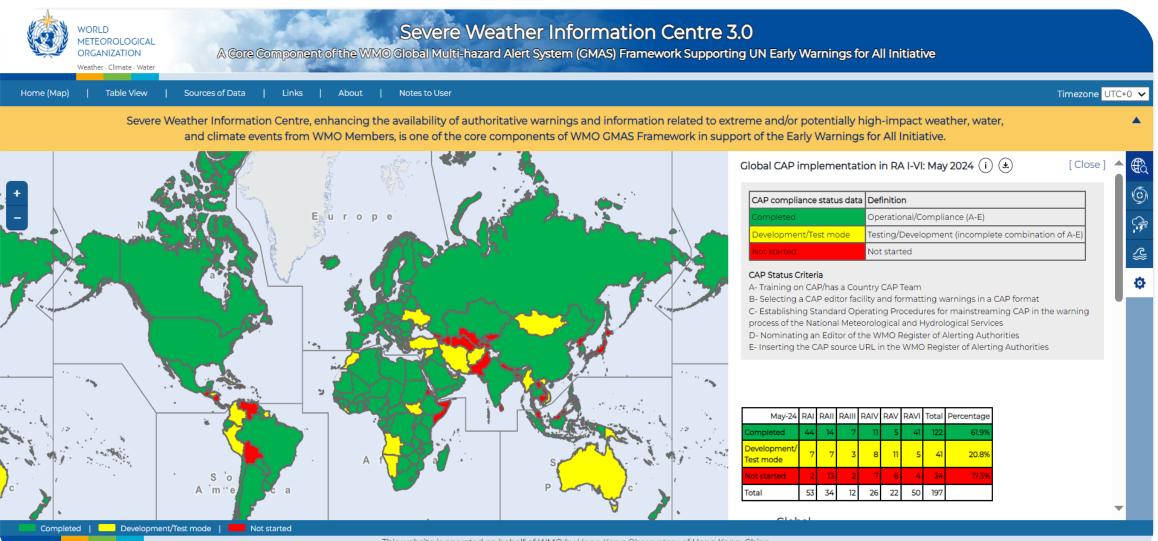
António Guterres, Secretary-General of the United Nations, 23rd March 2022



Advancement of CAP implementation globally represents a significant milestone in the Early Warnings for All (EW4All) initiative.



Status of Global CAP Implementation



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Updated on 2024-06-24 10:28 (UTC+0)

Integrated Drought Management HelpDesk



www.droughtmanagement.info







Integrating knowledge & practice for drought resilience

Date: 30th September – 3rd October 2024 Where: Geneva, Switzerland

High-level segment: At UNCCD COP16









For more info visit:



Open calls and deadlines

APPLY FOR IN PERSON PARTICIPATION: until 14 July 2024 :

https://www.droughtmanagement.info/hmndp10/registration/

CALL FOR POSTERS: until 26 June 2024:

https://www.droughtmanagement.info/hmndp10/programme/poster-session/

Drought Resilience

High-level Meeting

on National Drought Policy

CALL FOR SIDE EVENTS: We invite you to submit your side event proposal until 30 June 2024: <u>https://www.droughtmanagement.info/hmndp10/programme/side-events/</u>

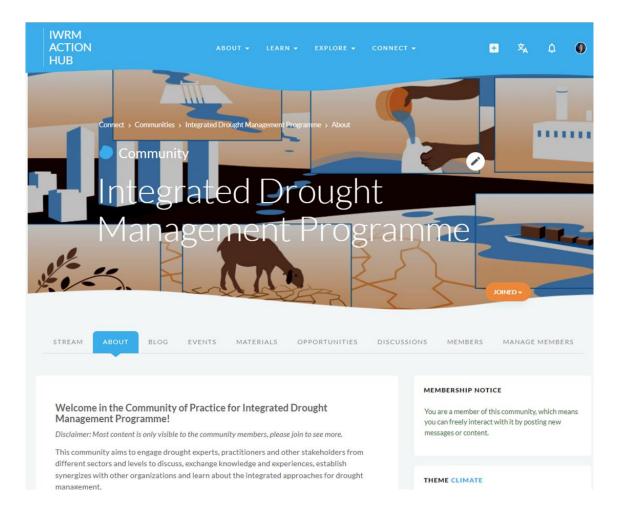
REVIEW OF WORKSTREAM CONCEPTS: until 30 June 2024: https://www.droughtmanagement.info/hmndp10/workstreams/aboutworkstreams/



Community of Practice IDMP

Over 100 users!

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.



Session later today









Capacity building



Collaboration with UNEP-DHI Centre and CapNet

• Free, online and self-paced course was relaunched in 2024



Cap-Net



MORE INFO HERE







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





Towards a world where everyone is **resilient to drought**



Youth engagement

- More structured collaboration with Water Youth Network, 4 volunteers
- Youth Competition
 - 35 proposals from Africa, Asia and Latin America.
 - **14 short-listed** projects will be presented on August 30/31st

Winners presented at Virtual Exchange: 1. Water From A Rock Initiative, Pretoria South Africa 2. Iguana project, Colombia





Youth professionals play an important role in drought management and polices 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.







Project proposal development

- Drin Basin Balkans (Montenegro, North Macedonia) (Adaptation Fund)
- Central Asia (5+ Afghanistan) (Adaptation Fund)
- Costa Rica and Panama Flood and Drought (Adaptation Fund)
- Mekong River Basin Flood and Drought (Adaptation Fund)
- Southern Caucasus
- Zambezi Flood and Drought (Adaptation Fund)
- Exploring opportunities with Green Climate Fund and NDP Partnership for various countries







Strategic issues driven by the IDMP

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







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

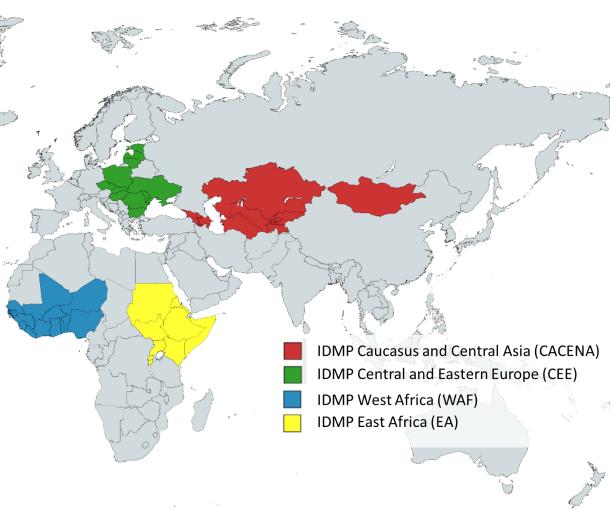






IDMP Regional Programmes and activities

- 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















HIGH-LEVEL MEETING ON NATIONAL DROUGHT POLICY

(HMNDP) TOWARDS MORE DROUGHT RESILIENT SOCIETIES

11-15 March 2013 CICG, Geneva

Final Report



Over 414 participants from 87 countries

Key message: Help countries move from reactive to proactive drought policies

Representatives of UN agencies and international and regional organizations (UNU, IFRC, IOM, CBD, WFP, IAEA, UNECA, JRC, ICARDA, GWP, ACMAD, ISDR)





United Nations Convention to Combat Desertification



Partnership

TEGRATED DROUGHT

Integrating knowledge & practice for drought resilience

Date: 30th September – 3rd October 2024 Where: Geneva, Switzerland

High-level segment: At UNCCD COP16









For more info visit:



Water ⁻ship





- 1. Reflect on successes and challenges of 10 years of drought risk management since 2013 to learn how to achieve drought resilience in the next decade;
- 2. Consolidate and plan jointly how drought resilience can be brought to scale to respond to the accelerating impacts of climate change in the next decade by applying systems thinking; and
- 3. Prepare communications with decision-makers and high-level country representatives to strengthen awareness, mobilize resources, prioritize drought and increase commitments to building drought resilience and to implement Integrated Drought Management. This will be presented and discussed at the High-Level Segment of the Conference at the UNCCD COP-16 in December 2024.







Target Audience



- Policymakers
- Researchers
- Experts in the field of drought
- IOs
- NGOs
- CSOs
- Water and agriculture-related organizations
- Private Sector
- Broader community







9 Workstreams



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	Policies into action	UNCCD/FAO	
5	Ecosystems	IWMI/IUCN/TNC	
6	Social inclusion and climate justice	GWP/IWMI/IOM	
7	Drought risk finance	FAO/GM UNCCD	
8	Public-private-civil society partnerships	WMO/GWP/World Bank	
9	Health	University Nebraska/ WHO	

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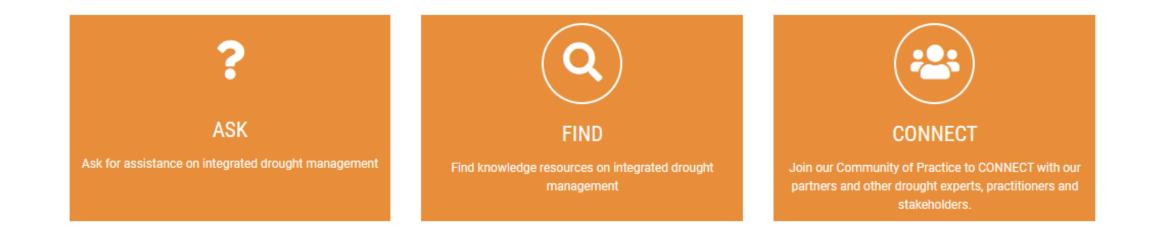


Drought Resilience

High-level Meeting

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Thank you!



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