



**INTEGRATED DROUGHT
MANAGEMENT PROGRAMME**



**WORLD
METEOROLOGICAL
ORGANIZATION**



**Global Water
Partnership**

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**Joining forces for integrated
drought management – the
IDMP**

**UNECE global workshop on water, agriculture
and climate change**

17 October 2022

Droughts are among the most complex natural hazards



- Drought is a creeping phenomenon with slow onset
- Impacts of drought can accumulate gradually
- Lack of precise and universal definition for drought leads to confusion about when a drought begins and when it ends
- Leads to uncertainty on precise time to implement emergency response actions or mitigation measures.
- Drought expected to increase due to climate change

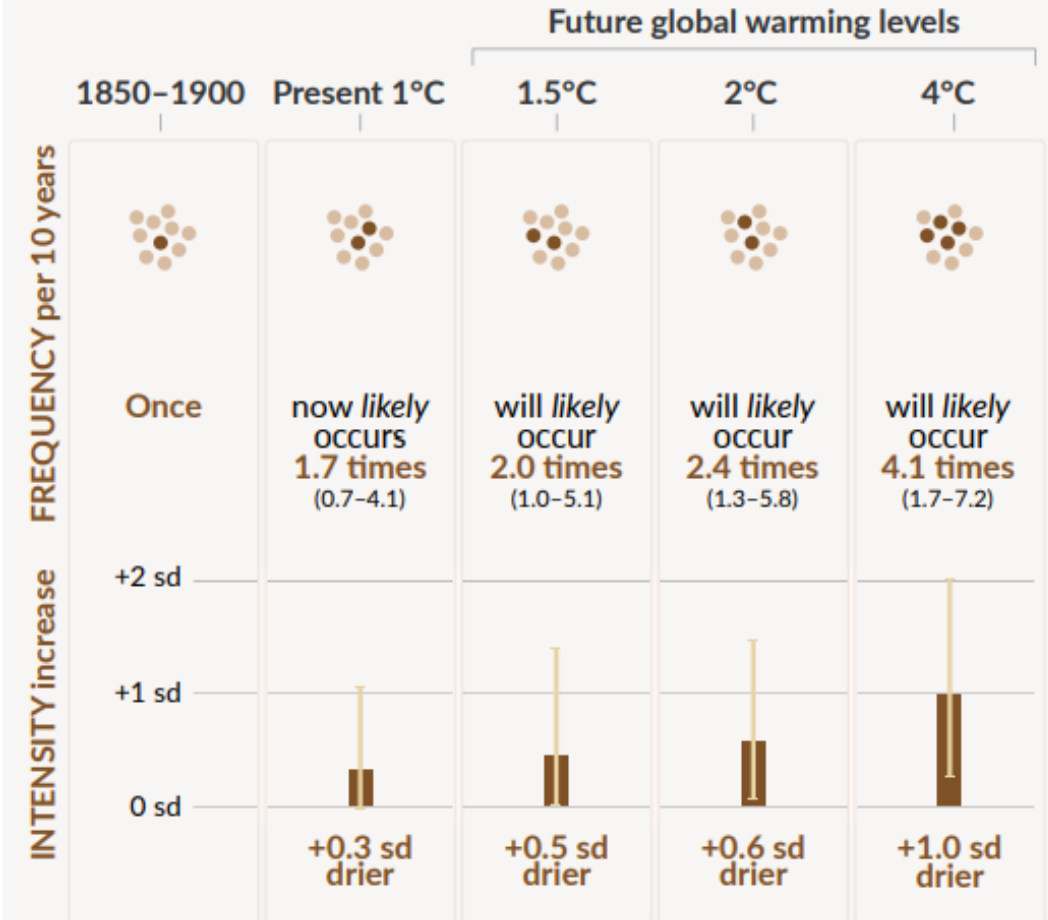
Drought hazard – Past-present-future

- **Droughts** are already twice as likely to occur presently as they were in the past
- With increasing warming levels, the same drought event will be more and more likely to occur more frequently
- Increasing temperatures contribute to increasing severity of droughts

Agricultural & ecological droughts in drying regions

10-year event

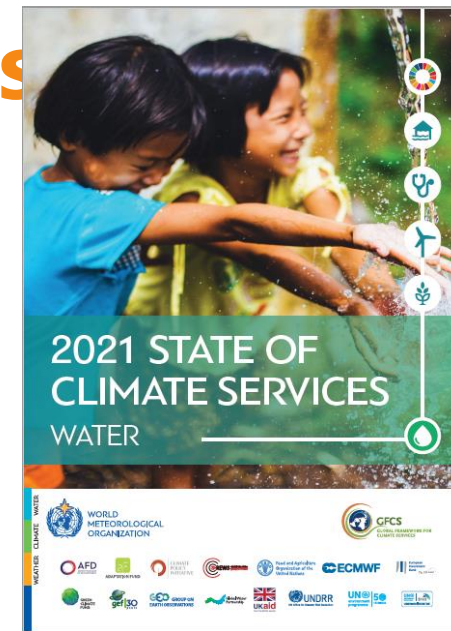
Frequency and increase in intensity of an agricultural and ecological drought event that occurred **once in 10 years** on average across drying regions in a climate without human influence



Source: IPCC AR6 WG1 – Summary for Policy Makers

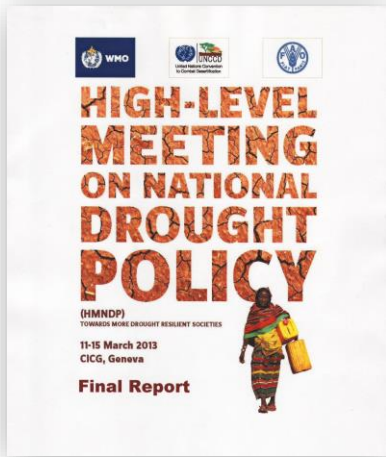
Drought Impacts and Early Warning Systems

- **Droughts** increased by 29% in the past 20 years
- The majority of drought disasters and related deaths occurred in Africa (1970-2019)
- 82% of all drought impact is concentrated in the agricultural sector (FAO, 2021)
- End-to-end drought forecasting and warning systems are **lacking or inadequate in 54%** of WMO Members (WMO, 2021)
- **UN Early warning for All Initiative 2022-27:** immense opportunity for collaboration
- Need to increase long-term drought resilience



Early Warning for All Initiative

The Integrated Drought Management Programme



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.



The Three Pillars of Integrated Drought Management

Formulating **proactive** drought policy:

PILLAR 1

MONITORING AND EARLY WARNING



PROACTIVE
DROUGHT
MANAGEMENT

PILLAR 2

RISK AND IMPACT ASSESSMENT



PILLAR 3

DROUGHT RISK MITIGATION, PREPAREDNESS AND RESPONSE



Pillar 1: Monitoring and Early Warning

- **Integrated** monitoring of key indicators (hydrological, climatological, impacts)
- **Used to trigger actions in drought plans**

Pillar 2: Risk and Impact Assessment

- Knowledge of **who and what is at risk and why** – root causes of impacts

Pillar 3: Risk Mitigation, Preparedness and Response

- **Proactive** measures to increase coping capacity
- Response measures that support the principles of drought risk reduction

Integrated Drought Management HelpDesk



ASK

Ask for assistance on integrated drought management



FIND

Find knowledge resources on integrated drought management



CONNECT

Learn about the activities of IDMP and connect to them

www.droughtmanagement.info



ASK

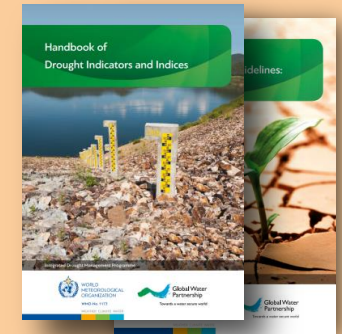
- **Directly request support:** Contact form, tailored advice through the IDMP TSU and partners

The screenshot shows a web form titled "Ask a question" with the subtitle "Communications regarding your question." The form includes input fields for "Given Name", "Family Name", "Email", "Organization / University / Company", "Country", and "Subject". Below these fields is a larger text area for "Question/Request". At the bottom, there is a checkbox with a blue checkmark and a "Send" button.



FIND

- Tools and examples of Applications on the **3 Pillars** of IDM
- Overview of Drought Management **Plans and Policies**
- Drought Management **Library** (323 vetted entries) and **IDM Glossary**
- IDMP knowledge products like the Handbook on Drought Indices and Indicators

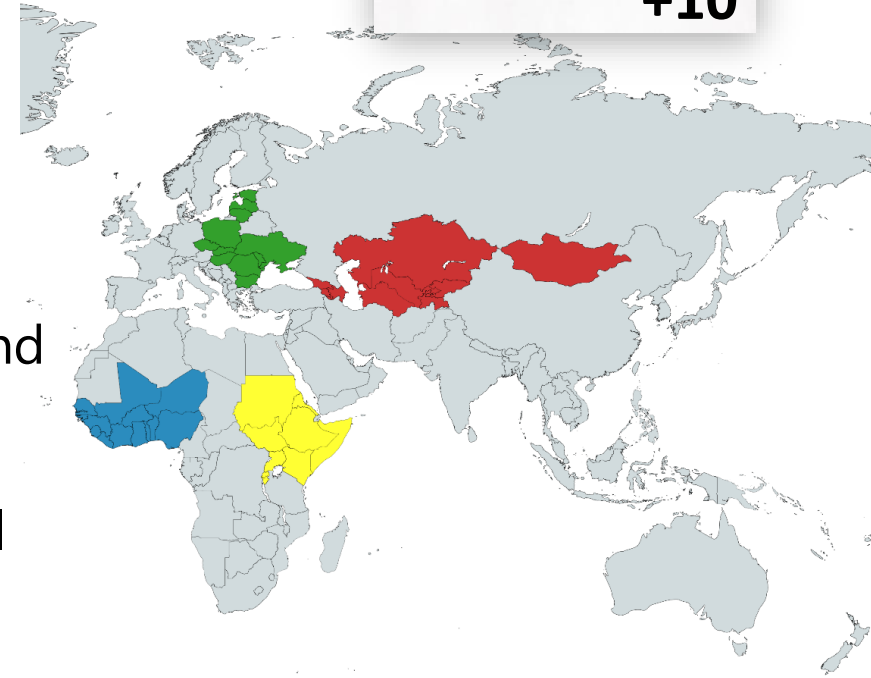
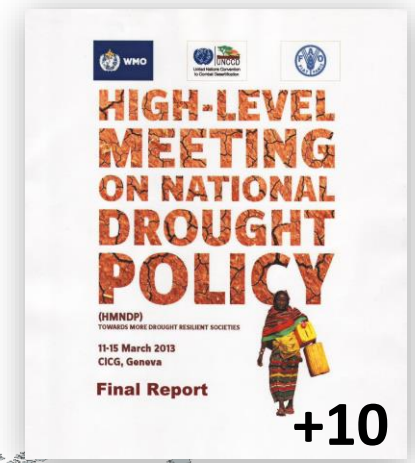


CONNECT

- Regional activities: **4 Regional IDM Programmes** in Central and Eastern Europe, Central Asia, East Africa and West Africa
- **IDM Projects** (Central America, South America, Southeast Asia, West Africa, ...)
- Engagement with **international processes** (FAO, UNCCD, UNDRR, and others)
- Training and capacity building events

Hot topics of the IDMP

- **High-level Meeting** on National Drought Policy in 2023 – from knowledge to policy to practice
- **2023 UN Water conference** – integrated drought management is key to achieving SDG 6!
- Workstream on Drought **Impact reporting**
- **Regional work:**
 - Central and Eastern Europe – extension of the regional drought monitor www.droughtwatch.eu
 - Central Asia and Caucasus – Support policy process in Armenia and Uzbekistan
 - West Africa – support implementation of the Volta Flood and Drought management project
 - Horn of Africa – DRESS EA project, enhancing usability of <https://droughtwatch.icpac.net/mapviewer/> platform, social inclusion work



Summary

- The IDMP supports stakeholders at all levels in integrated drought management – you can find resources and contact us through www.droughtmanagement.info
- With over 40 partners, IDMP provides a resource for project proposals, reviewing publications, and capacity building.



Get in touch!



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Ask for assistance on integrated drought management



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