

Welcome to the



Virtual Exchange Platform

A new interactive format of the IDMP

- Virtual exchange with partners about current activities
- Opportunities to interact
- Several virtual meetings per year, each 1.5 h

Content of this edition

- **The Integrated Drought Management Programme**
- **The Global Drought Indicator – status and way forward**
- **IDMP current activities and involvements – opportunities to interact**
- **Brief progress update on the 2019-2020 workplan**

IDMP

Integrated Drought Management Programme



WORLD
METEOROLOGICAL
ORGANIZATION



Global Water
Partnership



**BUILDING
DROUGHT
RESILIENCE
TO REDUCE
POVERTY**

Approaches of IDMP

- **Proactive rather than Reactive:**
 - Shift focus to Risk Management (rather than crisis management)
- **Horizontal Integration - Integrated Water Resources Mgmt**
- **Vertical Integration - global, regional, national and local level**
- **Knowledge Sharing – “Clearinghouse of Information”**
 - Production of selected knowledge products to fill gaps, synthesize knowledge; IDM HelpDesk, Library
- **Demonstration Projects - several regional projects**
- **Develop Capacities**

Key Pillars of National Drought Management Policies

1) Monitoring and early warning systems

2) Vulnerability and impact assessments

3) Drought preparedness, mitigation and response



Integrated Drought Management Programme (IDMP)

Integrated Drought Management Helpdesk



UNCCD COP Decisions (2017 & 2019)

- **Decision 29/COP.13 - Policy advocacy on drought (2017)**
 - Science-Policy Interface to explore drought indicator
 - Establishment Drought Initiative
 - Development of Drought Toolbox

- **COP 14 (2019)**
 - Established International Working Group on Drought
 - Cooperate IDMP (WMO/GWP) on scientific issues related to drought

WMO Congress Drought Resolution (June 2019)

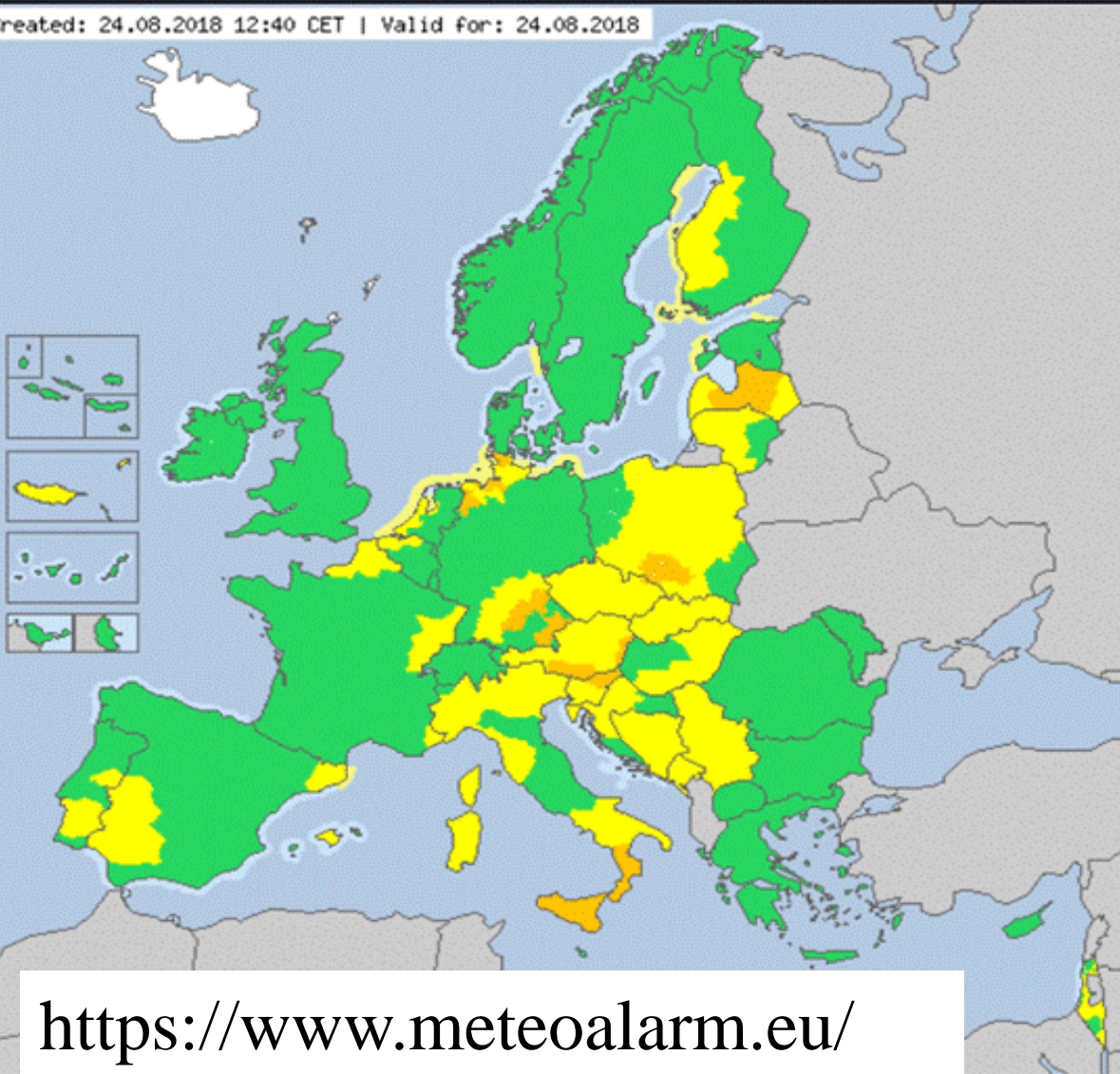
Decides:

- To develop a Global Drought Indicator (GDI) as input into WMO activities such as the Global Multi-Alert System (GMAS), Common Alerting Protocol (CAP), Global Hydrological Status and Outlook System (HydroSOS), and cataloguing of high-impact events;
- That information on the outcomes of these efforts be provided to UNCCD in support of relevant UNCCD decisions;

What is Global Multi-Hazard Alert System (GMAS)?

1. GMAS will **provide** WMO Members and other users with a standardized **authoritative** multi-hazard alerts and warnings issued by **NMHSs**, as well as with the related information issued by **NMHSs** and WMO **Global and Regional Centres**.
2. It will **ensure** that, as much as possible, all **relevant** (authoritative) warnings and information **are made available** by all stakeholders/providers **into the GMAS** for **timely provision** to the WMO Members and other GMAS users.
3. GMAS will also **leverage WIS** to maintain a **repository** of authorized warnings, alerts and related information.
4. GMAS will be **built on alert hub technology** to enable timely aggregation of relevant **authoritative warnings and alerts** related to high-impact weather, water and climate events.

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Weather warni

Awareness Reports - You can fi

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<https://www.meteoalarm.eu/>

Proposed Global Drought Indicator

- Each country determines which drought index to use. Then the index is standardized into 6 classes and based on previous slide:
 - D0 (Abnormally Dry)
 - D1 (Moderate Drought)
 - D2 (Severe Drought)
 - D3 (Extreme Drought)
 - D4 (Exceptional Drought)
- Drought Classes are reported to WMO Global Multi-Hazard Alert System (GMAS)
- Standardization Precipitation Index (SPI) or SPEI easiest to use
- United Nations Convention to Combat Desertification (UNCCD) has approved in Oct 2019

Selected Examples to Build On

North American Drought Monitor

June 30, 2017

Released: Tuesday, July 11, 2017

<http://www.ncdc.noaa.gov/nadm.html>

Analysts:
Canada - Trevor Hadwen
Maginda Magendhathajan
Mexico - Adelina Albanil
Minerva Lopez*
U.S.A. - Jessica Blunden

(* Responsible for collecting analysts' input & assembling the NA-DM map)

Intensity

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types

- ~ Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g. hydrology, ecology)



JNSA CONAGUA
Monitor de Secas
Junho/2017

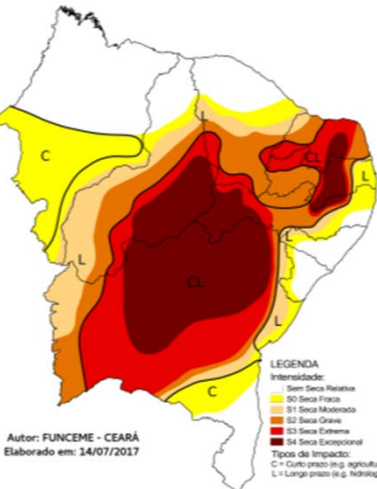
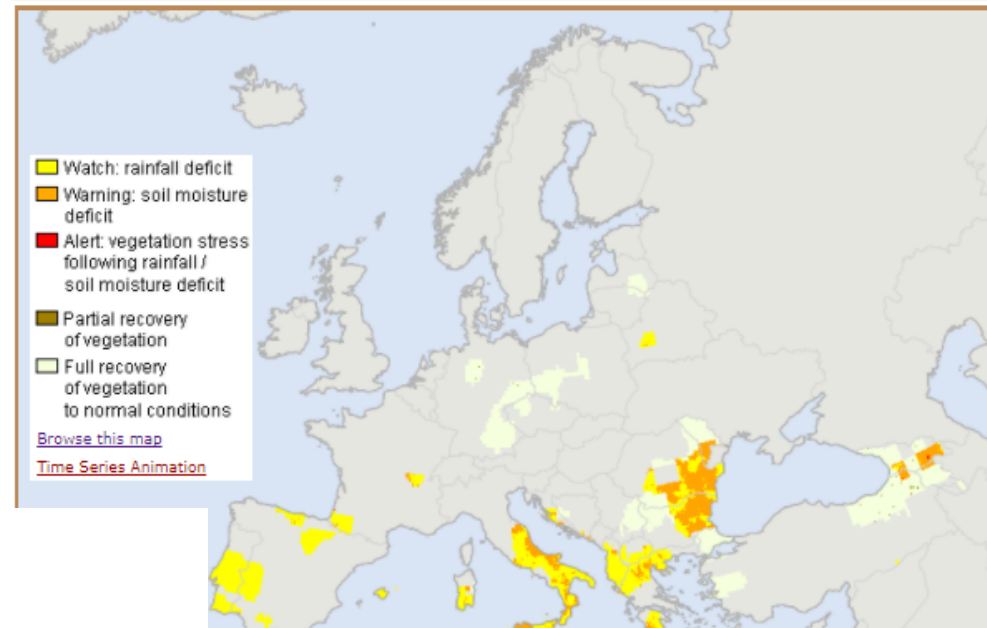
Australian Government
Bureau of Meteorology

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text for a general summary.

Follow us on [Facebook](#) for the latest drought issues.

Due to the current COVID-19 emergency both Drought Observatories, EDO and GDO, might experience some delay with updating of the drought indicators. Be assured however that EDO and GDO are running normally and we are doing our best to update any information within the shortest delay possible.

Situation of Combined Drought Indicator in Europe - 1st ten-day period of March 2020



Autor: FUNCME - CEARA
Elaborado em: 14/07/2017

Rainfall Deficiencies: 7 months
1 August 2019 to 29 February 2020
Distribution Based on Gridded Data
Australian Bureau of Meteorology

<http://www.bom.gov.au>
© Commonwealth of Australia 2020, Bureau of Meteorology

Questions ???

IDMP Update and Opportunities for Interaction

Knowledge Products

- **Knowledge product on IDMP 3rd Pillar – Preparedness, Mitigation and Response**
 - Creation of a peer review group
- **Knowledge product on Water Scarcity and Drought**
 - First review round completed, IDMP TSU will incorporate feedback
 - Next review round in ca. 2 months time
- **IDMP framework document**
 - Will be sent out for final review in April
- **Workstream on the Benefits of Action versus the Costs of Inaction (BACI)**

IDMP Update and Opportunities for Interaction

IDMP in the international agenda

- **Drought side event at World Water Week**
 - Organized by WASAG and IDMP with many partners has been approved: «Integrated drought resilience in a changing climate: The way forward» (23-28 August 2020)
- **UNCCD Science and Policy Interface**
 - IDMP TSU has taken part in first SPI meeting of the new work biennium 2020-2021, Technical report on the assessment and monitoring approaches for drought resilience
- **UNDRR Global Assessment Report (GAR) Special Edition on Drought (2021)**
 - IDMP TSU has taken part in the first lead author meeting

IDMP Update and Opportunities for Interaction

IDMP partner engagement and meetings

- **IDMP Annual Meetings 2020**

- Tentative dates 22-23 August 2020 at GWP headquarters in Stockholm (safe the date will follow)

- Nomination of a possible **chair person** for the annual meetings

- **IDMP HelpDesk**

- HelpDesk promotion: Feature the HelpDesk in outreach activities

- **IDMP focal points**

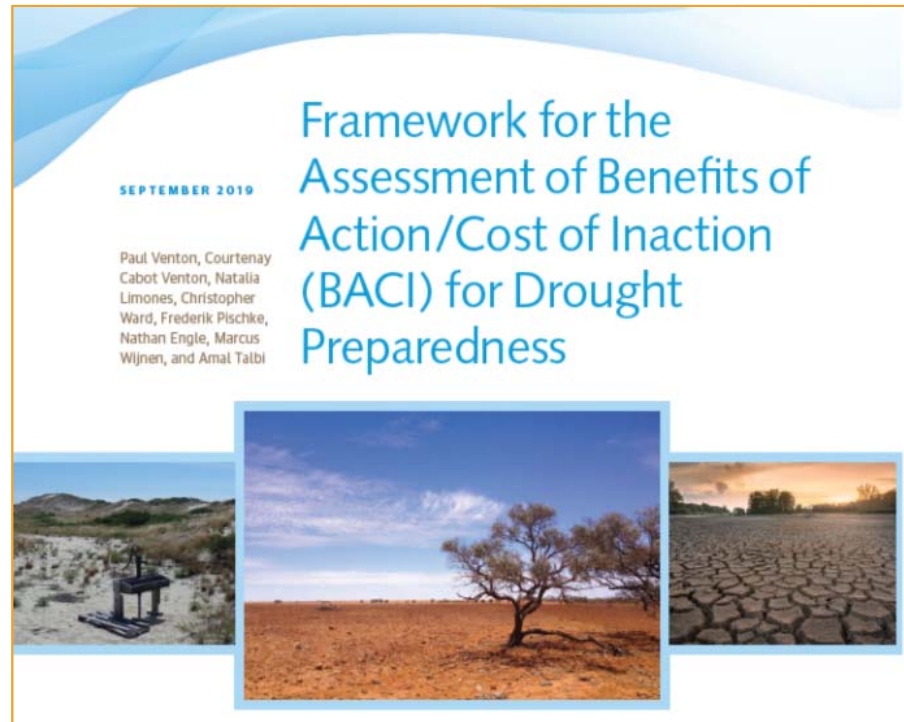
- Call to reconfirm focal points with the IDMP

- **Support Base Partners**

Publication



IDMP
Integrated Drought Management Programme



Draft framework for Benefit of Action/ Cost of Inaction assessments → embedded in the 10 steps approach





IDMP Support Base Partners

In-kind contributions to respond to **HelpDesk** requests:

- *Advice and high-level advocacy for **drought management policy and strategy formulation**, especially in the context of Integrated Drought Management;*
- *Development, input and review of **technical documents and guidelines** related to drought management;*
- *Facilitation of **workshops and training** in support of Integrated Drought Management;*
- *Development, review and provision of drought management **tools and e-learning options** for capacity building;*
- *Formulation of high-level **objectives/scoping for drought management proposals** with parties requesting IDMP Services.*



IDMP operational guidelines



Newest IDMP Support Base Partners



UK Centre for
Ecology & Hydrology

- Independent environmental non-for-profit research institute based in the UK




- Water-specialized public company in South Korea
- National Drought Information-Analysis Center (NDIC)

Questions?

Get in touch: 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

+

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