

IDMP

Integrated Drought Management Programme



Global Water
Partnership



APFM

Introduction to the Associated Programme on Flood Management (APFM) and the Integrated Drought Management Programme (IDMP)

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seconded to WMO



Managing Water Extremes

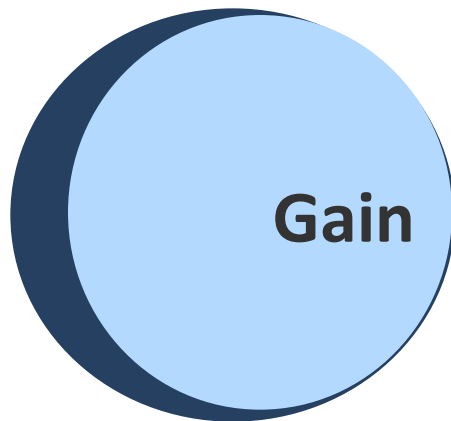


WMO/GWP Associated Programme on Flood Management (APFM) WMO/GWP Integrated Drought Management Programme (IDMP)

- APFM established in 2001
- IDMP established in 2013
- APFM and IDMP provide a technical resource for water management extremes through:
 - Expert Advice (Joint Technical Support Unit of GWP and WMO in Geneva - 6 part-time staff)
 - Guidelines and Tools – closing gaps in knowledge & synthesis of existing knowledge
 - Project Preparation support
 - Capacity Development
 - Over 25 partners in each programme

IFM Objectives

Maximizing **net benefits**



Gain

—



Losses

> 0

**Activities on and use of
floodplains**

agriculture, urban development,
transportation, recreational use, etc.

Direct **damages**
and mid- to long-term
environmental and
socio-economic
impacts



APFM

APFM Activities

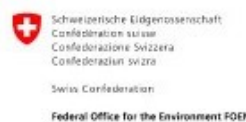
- ③ Compilation of **guidance materials and advisory tools**
- ③ **Field Demonstration Projects**
- ③ **Strategic Advice** on flood management through a HelpDesk
 - Developing training and advocacy materials
 - Capacity building
 - Building a network of institutions supporting multi-disciplinary approach in flood management
- ③ Contributing programme to the **Global Framework for Climate Services**



Support Base Partners and donors

Specialized institutes in various disciplines relevant for IFM

APFM Letter of Engagement – draw on expertise 5-10 person days of partners



APFM

Integrated Flood Management HelpDesk

A facility to provide guidance on flood-related issues to countries that seek to adopt the IFM concept



OBJECTIVES

- 🌀 Quick access to information on flood management
- 🌀 Guidance and momentum for reform activities towards IFM
- 🌀 Continuous and sustainable capacity development mechanism in support of IFM implementation
- 🌀 Serves as a link between practitioners / decision makers and experts



Integrated Flood Management HelpDesk

BENEFICIARIES

Government agencies on various levels, CBOs, RBOs, Voluntary Organizations, Bi- and multilateral Organizations, Universities

Request for assistance,
preparation of
project
proposal,
supervision of
technical
implementation

Institutes specialized in various disciplines
relevant for IFM



Technical input

SUPPORT BASE / Partners



APFM

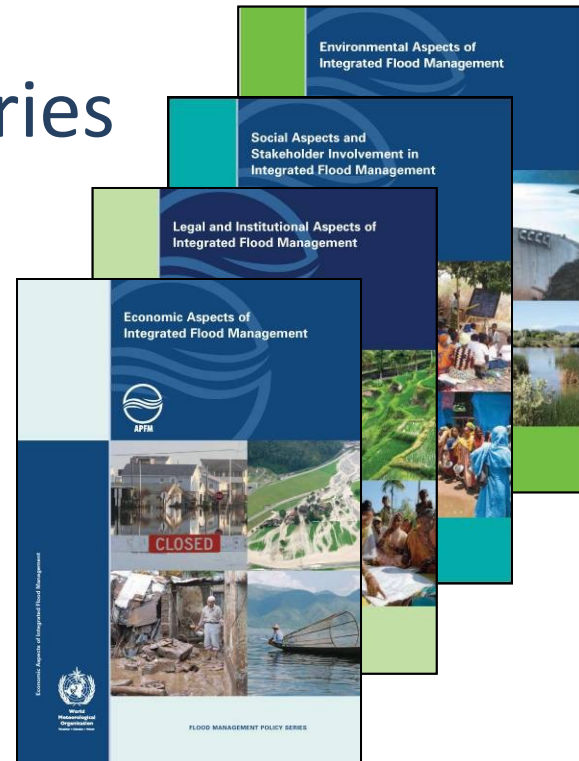
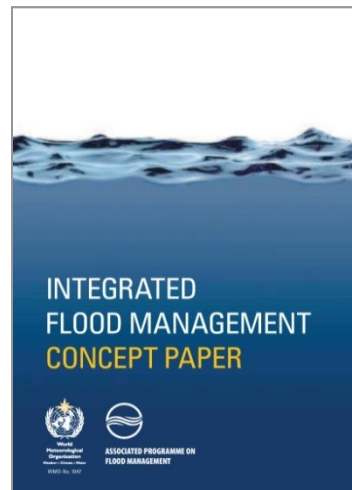
APFM publications

 Integrated Flood Management Concept Paper

 Flood Management Policy Series

 IFM Tools Series

 Training manuals



APFM

IFM Tool Series

Guidance documents in the IFM context

-  bridging disciplinary gaps
-  "living" documents

- Formulating a Basin Flood Management Plan
- Conducting Flood Loss Assessments
- Applying Environmental Assessment for FM
- Organizing Community Participation for FM
- Reservoir Operations and Managed Flows
- Urban Flood Risk Management
- The Role of Land Use Planning in FM
- Risk Sharing in Flood Management
- Flood Management in a Changing Climate
- IFM as an Adaptation Tool for Climate Change: case studies
- Flood Emergency Planning
- Management of Sediment-related Risks
- Conservation and Restoration of Rivers and Floodplains
- Urban Flood Management in a Changing Climate
- Flood Proofing
- Management of Flash Floods
- Coastal and Delta Flood Management
- Transboundary Flood Management
- Flood Forecasting and Early Warnings
- Flood Mapping



Capacity building & training

The challenge

- ③ What is needed?
Identification of problems and gaps
- ③ What is possible?
Presenting opportunities and existing capacities

The APFM provides

- ③ Vocational training
- ③ Specific topics and contact with experts
- ③ Development of National Strategies that apply the IFM concept



IDMP Background

IDMP was launched by WMO and GWP in 2013 at the High-Level Meeting on National Drought Policies (HMNDP) to support implementation of the HMNDP outcomes

[Excerpt of HMNDP final declaration, emphasis added]

- Develop **proactive drought impact mitigation, preventive and planning measures**, risk management, fostering of science, appropriate technology and innovation, public outreach and resource management as key elements of effective national drought policy
- Promote **greater collaboration** to enhance the quality of local/national/regional/global observation networks and delivery systems
- **Improve public awareness of drought risk and preparedness for drought**
- Consider, where possible [...] **risk reduction, risk sharing and risk transfer tools in drought management plans**
- **Link drought management plans to local/national development policies**

Approach of the IDMP

■ Proactive rather than Reactive:

- Focus on drought prevention, mitigation, vulnerability reduction, planning and preparedness (including monitoring and early warning)
- Consider all aspects of disaster risk management and shift the focus to Risk Management (rather than crisis management)

■ Horizontal Integration:

- Draws on the principles of Integrated Water Resources Management
- Bring together partners from different disciplines and sectors to find solutions (sectoral approaches from the past are limited in reducing drought impacts)
- Highlight approaches to Integrated Drought Management of its partners, with a spirit that more can be achieved working together

■ Vertical Integration:

- Connects and exchanges experiences among the global, regional, national and local level
- Principles of Integrated Drought Management are adapted to the context applied

Approach of the IDMP

■ Knowledge Sharing:

- Connect knowledge providers with those seeking knowledge (IDM HelpDesk)
- Provide entry points to understand and apply the principles of Integrated Drought Management, pointing as much as possible to existing knowledge (see National Drought Management Policy Guidelines)
- Rather than producing new scientific/ highly technical knowledge, the IDMP closes gaps in knowledge and in communicating/applying existing knowledge

■ Demonstration Projects:

- Innovation - applying the principles of Integrated drought management
- Build on existing efforts that are scalable and make a significant contribution to building drought resilience through an integrated approach

■ Develop Capacities:

- Through the above and closing gaps where necessary through trainings that add value and collaboration with partners

Components

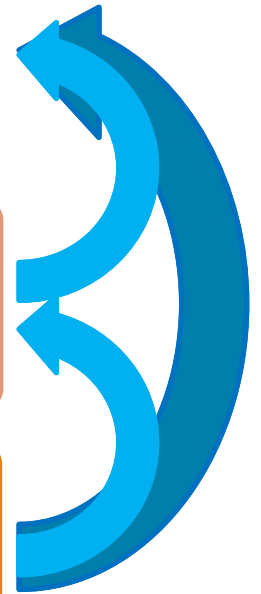
IDM at Regional and National Level

Knowledge and
Awareness

Innovative
Practices

Capacity
Development

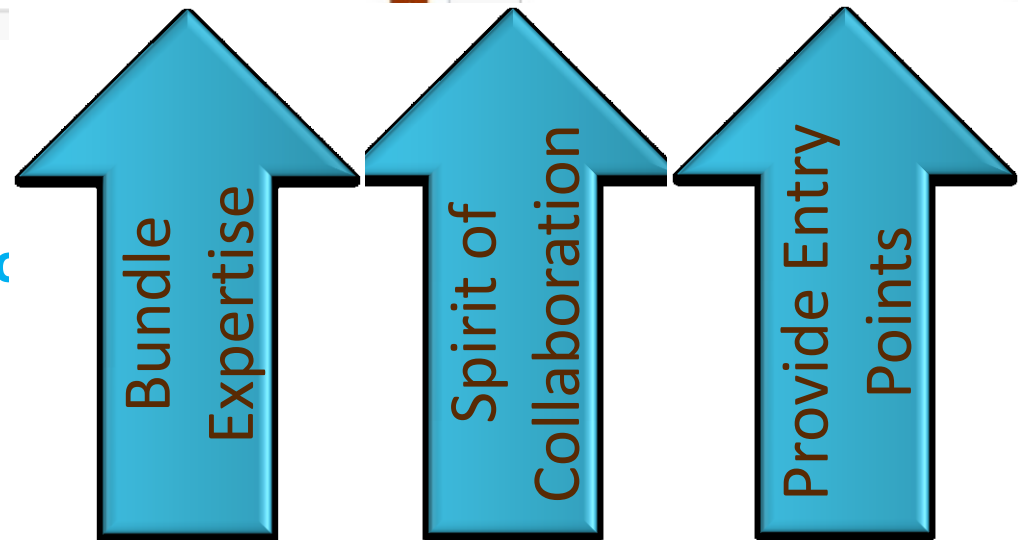
Governance and Partner Engagement



Integrated Drought Management Helpdesk



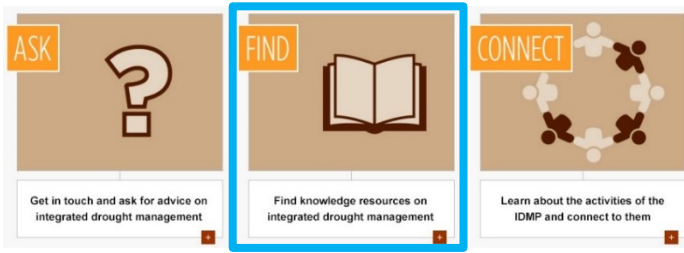
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Partners



- AEMET Spanish Meteorological Agency
- Australian Bureau of Meteorology
- CONAGUA Mexico's National Water Commission
- FAO Food and Agriculture Organization of the United Nations
- FEWS NET Famine Early Warning Systems Network
- UNCCD United Nations Convention to Combat Desertification UN CBD UN Convention on Biological Diversity
- George Mason University Global Environment and Natural Resources Institute
- ICARDA International Center for Agricultural Research in the Dry Areas
- ICID International Commission for Irrigation and Drainage
- IMTA Mexican Institute of Water Technology
- IWMI International Water Management Institute
- JRC Joint Research Centre
- SEI Stockholm Environment Institute
- NDMC U.S. National Drought Mitigation Center
- UNDP Cap-Net
- UNDP United Nations Development Programme
- UNESCO United Nations Educational, Scientific and Cultural Organization
- UNEP United Nations Environment Programme
- UNISDR United Nations Office for Disaster Risk Reduction
- University of Nebraska Daugherty Water for Food Institute
- University of Southern Queensland
- World Bank



Drought Management Library

IDMP

Integrated Drought Management Programme

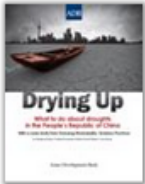

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🔍

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Click [here](#) for a list of acronyms

Search: Show 25 entries

Organization	Year	Title and Description	Preview
ADB	2012	<p>Drying Up: What to do about Droughts in the People's Republic of China</p> <p>This publication addresses the issue of droughts and water management in the People's Republic of China (PRC) for environmentally sustainable development. It consolidates the highlights from several recent ADB strategic studies that relate to improving disaster risk management and water resources management in the PRC, and represents current policy direction in the Ministry of Water Resources, with whom ADB worked closely in developing this knowledge product. One interesting finding from these studies is that drought management in the PRC follows the reactive mode of its flood management system, which limits official uses of disaster relief funds until after an emergency is declared.</p>	
ADB	2003	<p>Kazakhstan - Issues and Approaches to Combat Desertification</p>	

www.droughtmanagement.info/library



Guidelines and Tools

IDMP
Integrated Drought Management Programme

WMO Global Water Partnership

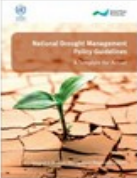
HOME ABOUT **FIND** CONNECT-ACTIVITIES


Search

HOME / FIND / GUIDELINES & TOOLS

Please click on the headings below to find IDMP guidelines, concepts, outcomes of expert meetings and the key documents of the High Level Meeting on National Drought Policy.

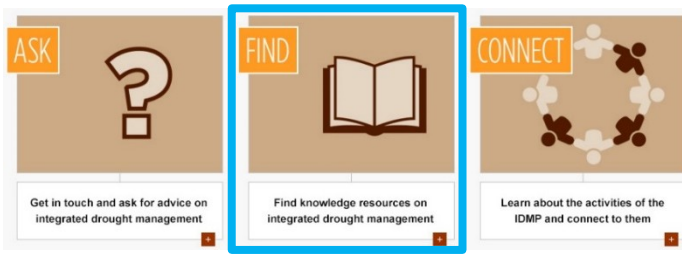
Guidelines

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National Drought Management Policy Guidelines – A Template for Action (Donald A. Wilhite). WMO/GWP Integrated Drought Management Programme (IDMP). 2014. Tools and Guidelines Series 1. WMO, Geneva, Switzerland and GWP, Stockholm, Sweden.
[English, Arabic]
- 

Standardized Precipitation Index User Guide. World Meteorological Organization. 2012. M. Svoboda, M. Hayes and D. Wood. (WMO-No. 1090), Geneva, Switzerland.
[English, Arabic, French, Russian, Spanish]

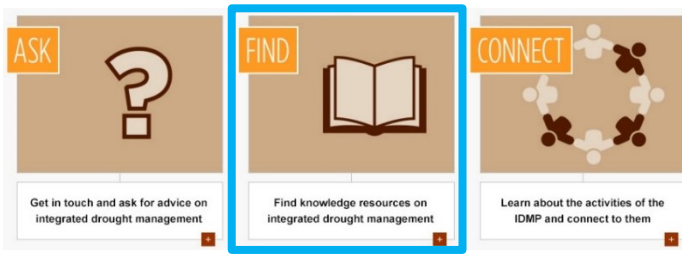
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Guidelines

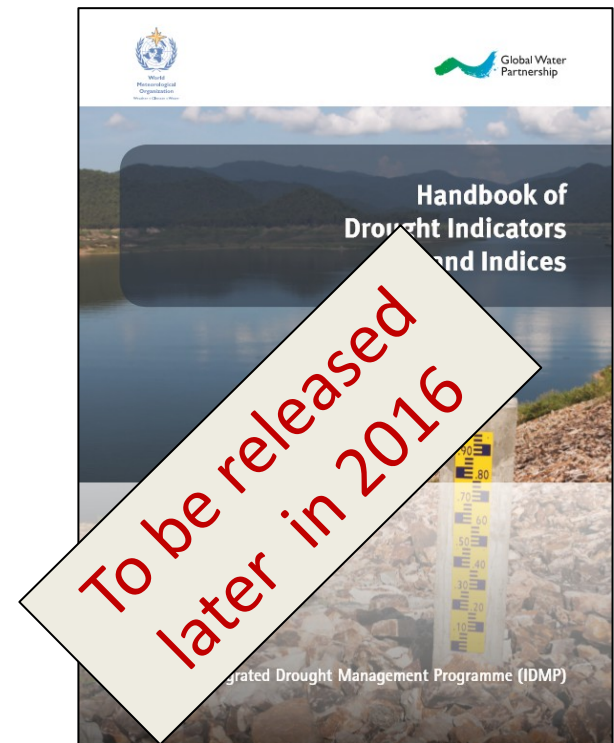
- Adapting of 10-step process by Don Wilhite (National Drought Mitigation Center at the University of Nebraska-Lincoln)
- Response to need articulated at High-level Meeting on National Drought Policy (HMNDP)
- **Template** that can be adapted to national realities and needs
- Building on **existing risk management capacities**





Handbook of Drought Indicators and Indices

- Handbook is a resource to cover most commonly used drought indicators/indices
- A starting point to describe and characterize the most common indicators and indices and their applications
- Does not recommend a “best” set of indicators and indices, given research requirements for appropriate application in location in question
- In final stages of publication – will be available online within the next months.



For further information

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