

IDMP

Integrated Drought Management Programme



WORLD
METEOROLOGICAL
ORGANIZATION



Global Water
Partnership



**BUILDING
DROUGHT
RESILIENCE
TO REDUCE
POVERTY**

Agenda of the IDMP Advisory Committee Meeting

Welcome, round of introduction, adoption of agenda

Overview of current activities and follow-up of the recommendations of the 2017 IDMP Advisory and Management Committee Meetings

Update on knowledge products

Discussion on pilot of HelpDesk and way forward

Tea/ Coffee break

Presentation and Discussion of Regional Programmes

Lunch Break

Strategic issues driven by IDMP:

- Drought Mitigation & Preparedness: Benefits of Action & Costs of Inaction - current status of work and way forward
- Strengthening Pillar on Vulnerability and Impact Assessment
- IDMP Research Centre

Strategic initiatives driven by partners

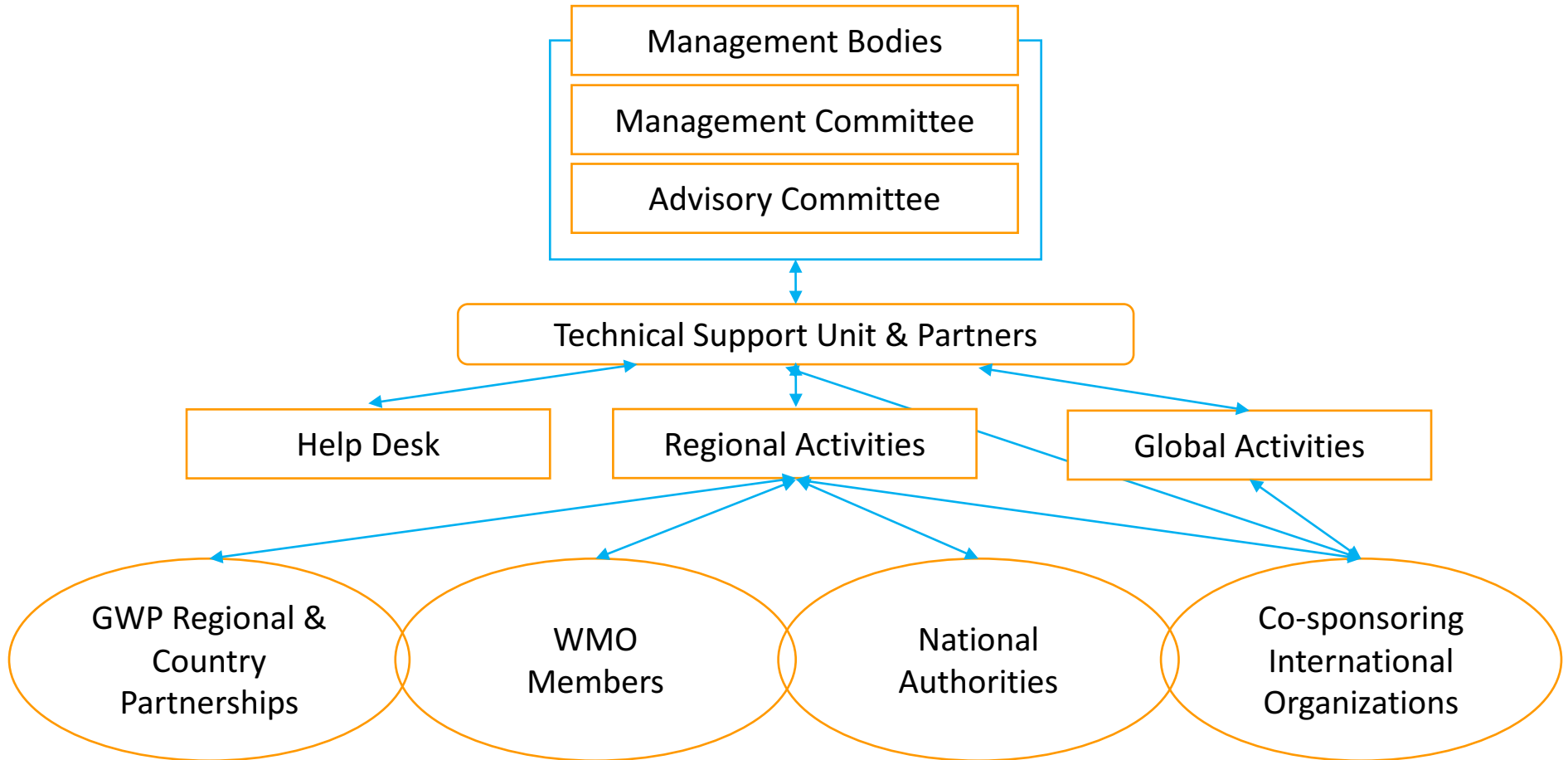
- UNCCD COP-13 Drought Initiative
- FAO Global Framework on Water Scarcity in Agriculture (WASAG) Working Group on Drought Preparedness
- UN ISDR Global Assessment Report 2019
- WMO Commission for Agricultural Meteorology (CAgM) update (17th CAgM session and Outcomes from Expert Team on Drought)
- Global Drought Information System (GDIS)
- Global Multi-Hazard Alert System (GMAS)

Discussion on 2018/2019 IDMP Work Plan and Recommendations and Final Review of Future Activities

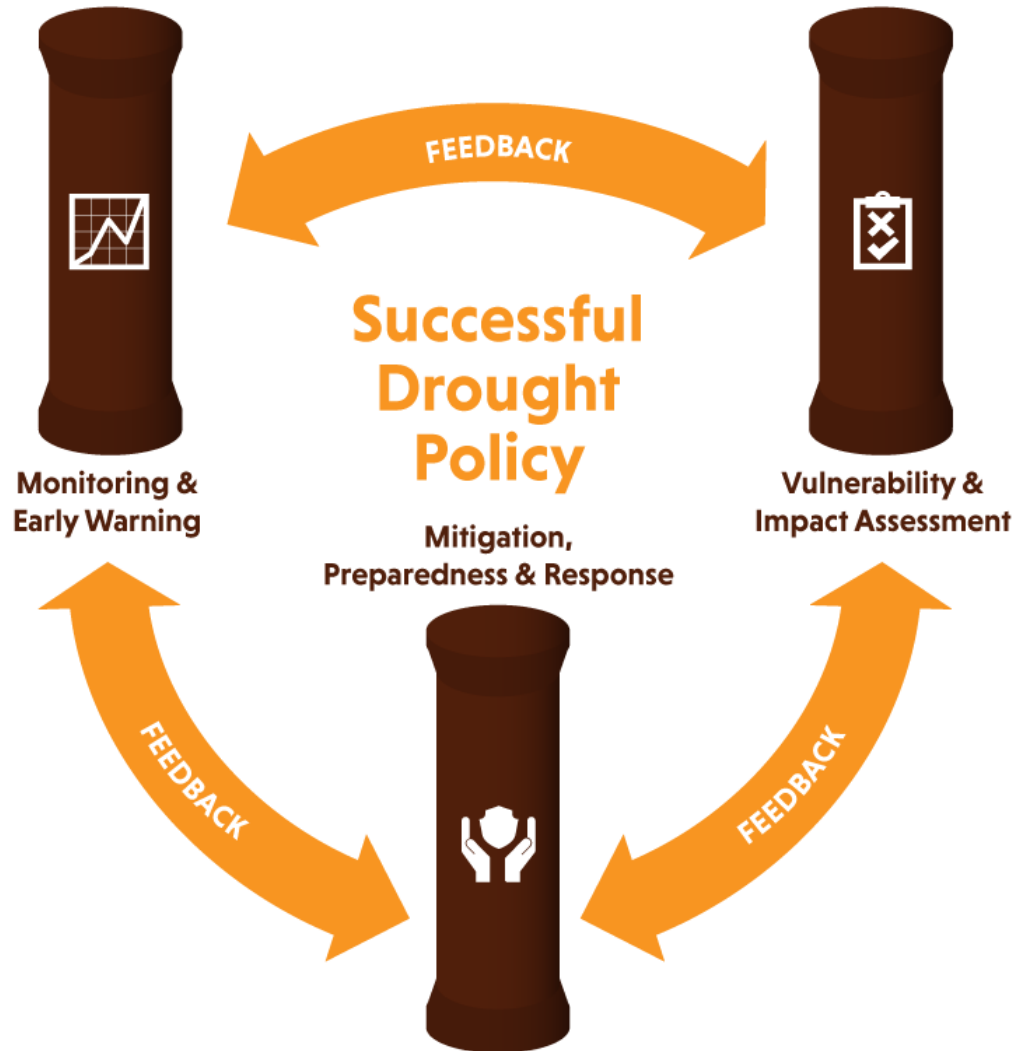
Marketplace of IDMP partners: 3-minute pitch to introduce partners' initiatives

AOB and Wrap-up

Governance Structure



Three Pillars of Integrated Drought Management



Follow-up Recommendations from 2017 ACMC Meeting

	Completed	In Progress	Not started	In Future
General Recommendations	1	9	2	-
Knowledge Products	2	6	1	3
Research		1	1	2
Help Desk	5	3	1	-
Capacity Development	-	1	1	-

Total number of recommendations: 39

Follow-up of 2017 IDMP Decisions

General Recommendations 1/3

Decision ACMC Meeting 2017	Priority	Status
Try to connect to Climate Change Adaptation and Mitigation communities for better visibility & inform with drought management knowledge	Medium	Discussions initiated
Explore Science-Policy interface – collaborate with interdisciplinary teams distilling lessons learned on drought management	High	WMO is a member of the UNCCD Science-Policy Interface. GWO & WMO are members of FAO's WASAG. EU Drought R & SPI is no longer active.
Explore cost recovery options - link to Business Model developed by APFM	Medium	Continued close liaison with APFM and WMO Office of Development Partnership and GWP Resource Mobilization and Partnerships team

Follow-up of 2017 IDMP Decisions

General Recommendations 2/3

Decision ACMC Meeting 2017	Priority	Status
Continue to find synergies between regional programmes and global component	Medium	Bi-monthly Skype discussions held to identify and act on opportunities.
Increase interaction with Regional Climate Centres	High	Review of opportunities conducted and some RCCs have been engaged.
Better characterize the IDMP target audiences - Conduct user needs analysis	High	Draft Survey developed
Identify the appropriate communication channels with IDMP partners and IDMP target audiences	Medium	Exchanges continued
Consider future management issues given differences in time scale between flood and droughts	Low	Requires further discussion

Follow-up of 2017 IDMP Decisions

General Recommendations 3/3

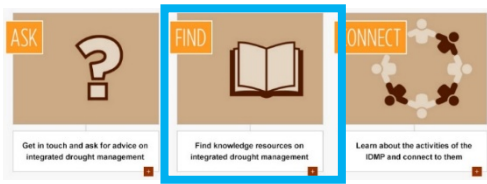
Decision ACMC Meeting 2017	Priority	Status
Make a better connection with UN-Water Expert Group on Water and Climate Change	Low	Connected to UN-Water work streams of relevance to IDMP, particularly on water scarcity for forthcoming paper.
Explore how to engage different industries in preparedness phase – pick most promising industry	Low	Review outputs of WMO/GWP projects and then have further discussions on this topic
Explore developing a forum of actors working on drought issues / Develop a roster of players in the drought spectrum to engage	Low	Contact list with 50 experts developed and next step to be discussed.
Continue dialogue with a view for suitable funding opportunities with finance/(re)insurance industry	Medium	Agreement with NOAA to provide funding for IDMP for the several years finalized. Continued close liaison with APFM and WMO Office of Development Partnership and GWP Resource Mobilization and Partnerships team.

Knowledge Products

Follow-up of 2017 IDMP Decisions

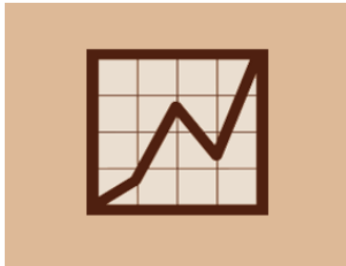
Knowledge Products 1/3

Decision ACMC Meeting 2017	Priority	Status
Ensure that knowledge products can be translated into actions	Medium	Continuous engagement of partners. For example World Bank internal community of practice is using IDMP knowledge products and requests for further information are processed through IDM HelpDesk
Finalize Integrated Drought Management Framework Document	High	Draft extended on 3 pillars. Internal review ongoing.
Develop knowledge product (a brochure/handbook/guidelines) on pillar vulnerability and impact assessment	Highest	Discussion with UNCCD and FAO on joint knowledge product. Published website on current approaches with examples



Tools and Resources on the 3 Pillars of IDM

**Monitoring
Early
Warning**



**Vulnerability
& Impact
Assessment**



**Mitigation,
Preparedness &
Response**



Drought Policies and Plans



**Tools and
Examples of
Applications on the
3 pillars of
Integrated Drought
Management**

**Overview of
Drought
Management Plans
and Policies**

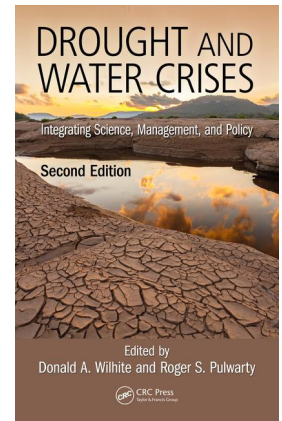
www.droughtmanagement.info/pillars

Follow-up of 2017 IDMP Decisions

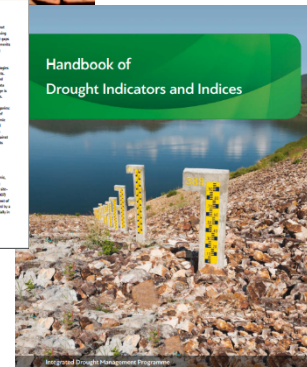
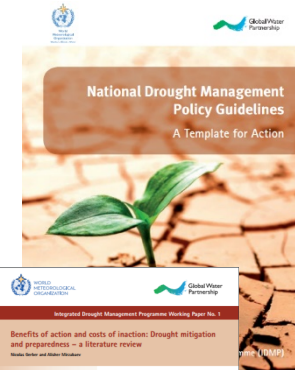
Knowledge Products 2/3

Decision ACMC Meeting 2017	Priority	Status
Develop knowledge product (a brochure/handbook/guidelines) on pillar mitigation and preparedness	Highest	Published website on current approaches with a examples
Revisit our evaluation metric starting with the 10 steps	Medium	Further discussion needed with AC/MC.
Add to indicators/indices information on where they are used	Low	Completed.
Focus on differences and similarities between water scarcity and drought (possible publication with partners)	Medium	First draft developed, currently undergoing internal review
Use CAgM Drought Expert Team report for IDMP information products	High	Expert Team report concluded in April 2018. Work on transforming it into IDMP information products ongoing

Book “Drought and Water Crises: Integrating Science, Management, and Policy, Second Edition” edited by Donald Wilhite and Roger Pulwarty



- 1) Integrated Drought Management Initiatives (experience of the IDMP and related initiatives)
- 2) National Drought Management Policy Guidelines
- 3) Benefits of action and costs of inaction: Drought mitigation and preparedness – a literature review
- 4) Handbook of Drought Indicators and Indices development



Follow-up of 2017 IDMP Decisions

Knowledge Products 3/3

Decision ACMC Meeting 2017	Priority	Status
BACI (Benefits of Action – Costs of Inaction): Publish Discussion Paper	High	To be published in second half on 2018 jointly with World Bank
BACI: Economic argument for drivers and barriers to be developed	High	After publication of Discussion Paper (2018)
BACI: Categorization/ Prioritization of methods of economic analysis	High	After publication of Discussion Paper (2018)
Explore opportunities of crowd-sourcing	Low	Pending

GWP Perspective Paper

“Climate insurance and water-related Disaster Risk Management”

PERSPECTIVES PAPER

Global Water Partnership

Climate insurance and water-related disaster risk management

– Unlikely partners in promoting development?

There is a growing consensus that insurance, risk transfer, and sharing mechanisms have an important and growing role to play, particularly in offsetting the economic impacts associated with extreme events. What is less clear is the extent to which such instruments encourage adaptation programmes and policies that would serve to minimise future loss and damage and, hence, contribute to sustainable development. This paper does not pretend to offer answers, but rather contributes to the emerging discussion and brings to that discussion a water lens.

This Perspectives Paper was prepared by Adrian Cashman, Maxime Souvignet, Sandra Schuster, and Sabrina Zwick. It is intended to galvanise discussion within the network and the larger water and development community.

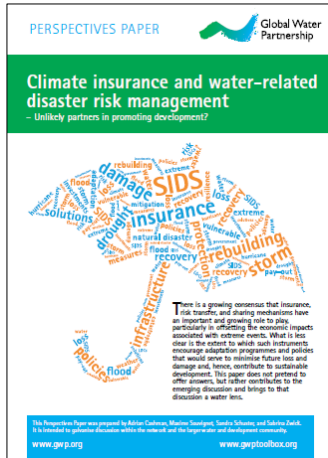
www.gwp.org www.gwptoolbox.org

Lead authors: Adrian Cashman, Maxime Souvignet, Sandra Schuster and Sabrina Zwick

Developed with G7 InsuResilience, MunichRe, SwissRe, MCII and inputs by IDMP

Outline routes to explore where the water community and the insurance industry can build resilience together

Main points raised

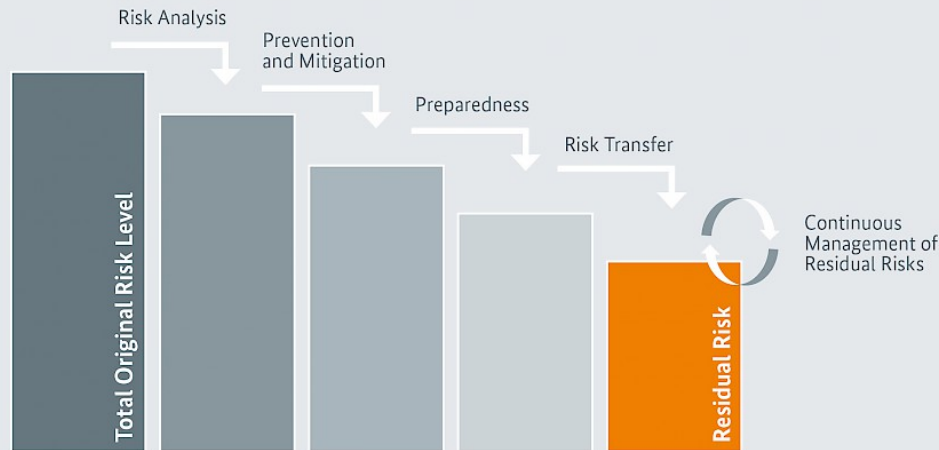


- Insurance role in offsetting economic losses from extreme water-related events
- Current focus on providing liquidity in ex-post
- Water community and insurance industry to explore how to mutually support building climate resilience
- Innovation needed on how to design instruments that can mobilize water-DRR investments

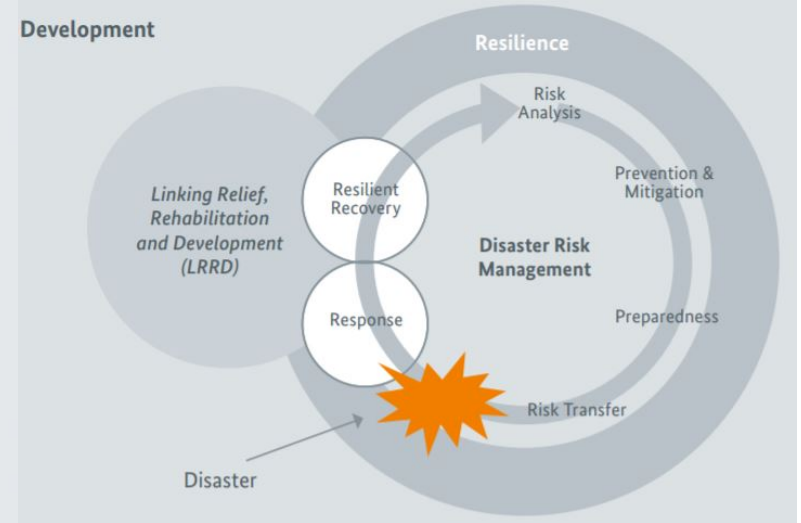
Emergent thinking

Climate insurance to contribute to resilience only as part of wider adaptation strategy

Staircase Model of Disaster Risk Management



Development



Emergent thinking

Climate insurance to contribute to resilience only as part of wider adaptation strategy

- **Mobilizing investment** – insurance industry as a major capital investor in resilience
 - **Using premiums** – incentivize investments in resilience and adaptation measures
 - Develop **Resilience Bonds** (versus catastrophe bonds) → encourage investments in risk reduction
 - **Insurance part of an integrated risk management solution**, i.e. insurance as part of a broader service package
 - **By putting a price tag on risk, insurers set incentives for risk adequate behaviour**
- Overall, incorporate incentives for risk mitigation into insurance products.

Follow-up of 2017 IDMP Decisions

Research 1/1

Decision ACMC Meeting 2017	Priority	Status
Establish small team / working group on the International Drought Mitigation Research Centre	Highest	Liaison started, further discussions needed.
Connect the high-level policy needs to research (possible International Drought Mitigation Research Centre)	High	See above
Ensure International Drought Mitigation Research Centre is an integral part of IDMP and that there's no duplication	High	See above
Explore contributions from national programmes to research	High	Not yet started

Help Desk






Follow-up of 2017 IDMP Decisions

HelpDesk 1/3

Decision ACMC Meeting 2017	Priority	Status
More direct links to references and tools (software) on drought indicators/indices	Medium	Completed.
HelpDesk should have an advisory role on which indicator to use	Medium	In total 75 requests have been received through the helpdesk with 44 during the reporting period. Out of the 44 request 20 requests were related to indicators.
Translation of the HelpDesk/website in all UN languages	High	Pending due to limited resources
More visible HelpDesk links on the WMO Public and GWP website	High	Explored and flagged as part of WMO HelpDesks discussion
Adding a glossary of keywords	Medium	Glossary developed and shared with interested partners. Inputs and feedback welcome. Currently hidden link

Glossary | Integrated Dr x +

droughtmanagement.info/glossary

HOME ABOUT ASK FIND CONNECT-ACTIVITIES PILLARS

Search

HOME / GLOSSARY

The IDMP glossary is a compilation of drought-related terms drawn from the most common and reliable glossaries in this domain.

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

Search:

Show entries

Term	Definition	Source
Adaptation	Adjustment in natural or human systems to a new or changing environment. Adaptation to climate change refers to adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities.	IPCC, 2001
Adaptive Capacity	extremes) to moderate potential damages, to take advantage of opportunities, or to cope with the consequences (IPCC).	FAO, 2017; IPCC, 2001
Aquifer	Underground layers of permeable rock, sediment or soil filled with water and interconnected, so the water stays within or flows through them. The two major types of aquifers are confined and unconfined.	GWP, 2017
Aridity	Characteristic of a climate relating to insufficiency or inadequacy of precipitation to maintain vegetation (WMO). Aridity is measured by comparing long-term average water supply (precipitation) to long-term average water demand (evapotranspiration). If demand is greater than supply, on average, then the climate is arid (NOAA).	NOAA NCEI, 2017; WMO, 1992
Available groundwater resource	Volume of water stored in an aquifer which is available for development and use (WMO-UNESCO). It is calculated as the difference between the long-term annual average rate of overall recharge of the body of groundwater and the long-term annual rate of flow required to achieve the ecological quality objectives for associated surface waters (surface waters that are recharged by groundwater) (EC).	EC, 2000; WMO/UNESCO, 2012
Basin (or watershed)	The total area drained by a river and its tributaries.	AMS, 2017
Climate change	A change in the state of the climate that can be identified (e.g., by using statistical tests) by changes in the mean and/or the variability of its properties and that persists for an extended period, typically decades or longer. Climate change may be due to natural internal processes or external forcings, or to persistent anthropogenic changes in the composition of the atmosphere or in land use.	IPCC, 2012
Crisis management	Unplanned tactical measures to be implemented in order to meet problems after a disaster has started	GWP CEE, 2015

86 entries and links to sources

Outreach

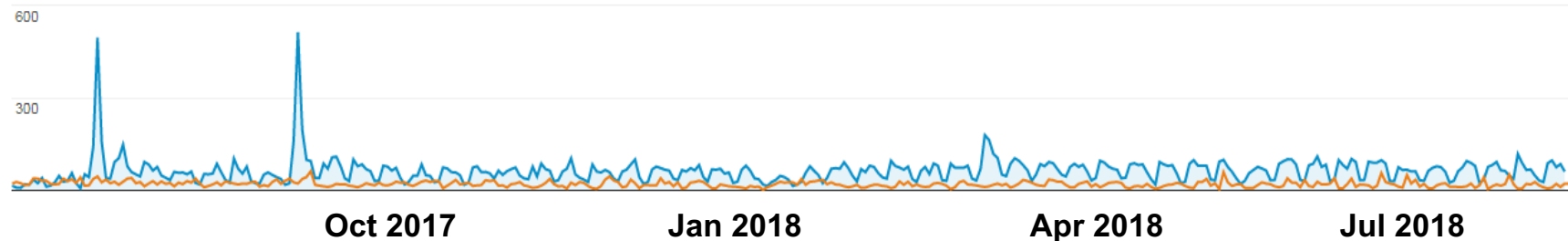
Website

- Page on 3 pillars added
- Added to indicators/indices tool (i) place where they are used and (ii) resources/publications/tools to calculate
- Library continuously updated (now 307 entries)
- From 1 July 2017 to 30 June 2018

- **Registered 16,836 users (+3.88%)**
- **Sessions 24,501 (+5.84%),**
- **85% are by new visitors**

- Most popular pages:
 - Standardized Precipitation Index
 - Vegetation condition index
 - Find/Library

Jul 1, 2016 - Jun 30, 2017: ● Sessions
Jul 1, 2015 - Jun 30, 2016: ● Sessions



Outreach – New Social Media Presence



Flood & Drought Management

@FloodDroughtMgt



We've expanded! Now tweeting
[@FloodDroughtMgt](#) to bring you expert
guidance, key resources and up-to-date
news on managing [#Floods](#) and [#Droughts](#)



10:24 AM - 12 Feb 2018

12 Retweets 12 Likes



Outreach – New Brochure

the **Three Pillars** of drought management



IDMP is active **around the world**
Visit www.DroughtManagement.info



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Integrated Drought Management **HelpDesk**
provides tailored support for drought
mitigation and resilience

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.



ASK experts for assistance

FIND publications and resources

CONNECT with international & national activities

IDMP's approach

- Shift focus from reactive to proactive actions
- Foster horizontal integration by collaborating with partners from diverse sectors
- Facilitate vertical integration between global, regional, national and local levels
- Improve knowledge base with better access to information
- Promote projects that demonstrate innovation
- Build countries' capacity to implement integrated approaches

Integrated drought management

is a critical component of disaster risk reduction, climate adaptation strategies and national water resources policies, bringing together the needs of the different stakeholders affected by drought. In order to address drought issues more effectively, the World Meteorological Organization (WMO) and Global Water Partnership (GWP) launched the Integrated Drought Management Programme (IDMP).



www.DroughtManagement.info

meet IDMP's dedicated
Partners



Engagement with Intl. Processes

1. Regional Conference of Latin America and the Caribbean for Management and Preparation for Drought (UNCCD) Bolivia, August 2017
2. UNCCD COP 13 in Ordos, China, September 2017
3. UNFCCC COP23 in Bonn, Germany, November 2017
4. European Drought Observatory Expert & User meeting (JRC) in Ispra, Italy, November 2017
5. Australian Government and TropAg 2017 (University of Southern Queensland (USQ), Meat and Livestock Australia (MLA), Australian Bureau of Meteorology (BoM)), Brisbane and Melbourne, November 2017
6. UNECE International workshop on Water scarcity; Taking action in transboundary basins and reducing health impacts, Geneva, December 2017
7. UNECE Water Convention Task Force on Water and Climate meeting, Geneva, December 2017
8. 8th World Water Forum, Brasilia, Brazil, March 2018
9. World Bank Drought Management workshop in Tunisia, April 2018
10. High-Level Experts and Leaders Panel on Water and Disaster (HELP), Geneva, May 2018
11. WMO HydroConference, Geneva, May 2018
12. Water Day during the Seventieth Session of WMO's Executive Council, Geneva, June 2018
13. Asian Ministerial Conference on Disaster Risk Reduction, Ulaanbaatar, Mongolia, July 2018
14. High-Level Political Forum, New York, July 2018

Engagement with strategic initiatives

- UNCCD COP-13 Drought Initiative
- UNCCD Science Policy Interface – SPI (WMO)
- FAO Global Framework on Water Scarcity in Agriculture (WASAG) Working Group on Drought Preparedness
- UN ISDR Global Assessment Report 2019
- WMO Commission for Agricultural Meteorology (CAgM) update (17th CAgM session and Outcomes from Expert Team on Drought)
- Global Drought Information System (GDIS)
- Global Multi-Hazard Alert System (GMAS)
- NDC Partnership

Engagement with strategic initiatives

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- Global Drought Information System (GDIS)
- Global Multi-Hazard Alert System (GMAS)
- NDC Partnership

To Be Discussed in the afternoon

Follow-up of 2017 IDMP Decisions

HelpDesk 2/3

Decision APMC Meeting 2017	Priority	Status
Track where water management is poor as an indication of potential problems when a drought occurs (proactive manner of reaching out to countries with potential needs)	Medium	Pending
Connect with regional and national products/actors on all 3 pillars (IDMP website)	High	First overview of approaches published: http://www.droughtmanagement.info/pillars/
Infographic for IDMP showing the services the IDMP provides – and translate into one slide of the services the IDMP provides for partners to include in their outreach	High	- National Drought Management Policy Guidelines infographic released http://www.droughtmanagement.info/documents/IDMP-Steps-Infographic.pdf - Adaptation of brochure for infographic being completed.

10 Evaluate and revise policy and supporting plans

9 Develop education programmes for all age and stakeholder groups

8 Publicize the policy and preparedness plans; build public awareness and consensus

7 Integrate science and policy aspects of drought management

6 Identify research needs and fill institutional gaps

1 Appoint a national drought management policy commission

2 State or define the goals and objectives of a risk-based national drought management policy

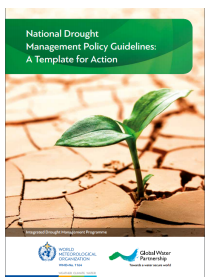
3 Seek stakeholder participation; define and resolve conflicts between key water use sectors

4 Inventory data and financial resources available and broadly identify groups at risk

5 Prepare/write the key tenets of the national drought management policy and preparedness plans, following the three-pillar approach

Drought Policy and Preparedness Process

10 STEPS



Source: World Meteorological Organization and Global Water Partnership, [National Drought Management Policy Guidelines: A Template for Action](#)

Follow-up of 2017 IDMP Decisions

HelpDesk 3/3

Decision ACMC Meeting 2017	Priority	Status
Maintain “Connect” function as is and continue conversation with partners on how to develop further	Medium	Done
Follow-up with IDMP partners not yet included in the Support Base Partners of the HelpDesk	High	Continued to reach out to partners. Another rounds of emails was sent in Summer 2018

Follow-up of 2017 IDMP Decisions

Capacity Development 1/1

Decision ACMC Meeting 2017	Priority	Status
Explore the use of simulation games to test drought policies/management (Drought Tournaments)	Medium	No drought tournament for IDMP TSU staff to participate could be identified to date.
Work with UNDP Cap-Net to revise drought management training manual	High	CapNet engaged end 2017 and March 2018. Response from CapNet pending.

Fundraising

IDMP Fundraising

- USD 7.9M Adaptation Fund proposal led by APFM with IDMP contributions “Integrating Flood and Drought Management and Early Warning for Climate Change Adaptation in the Volta Basin” [AF Board decision in October 2018]
- USD 50K per year from US National Oceanic and Atmospheric Administration (NOAA) NIDIS [administrative discussion ongoing]
- USD 550.000 from Inter-American Development Bank (IDB) for design and initial implementation of a Drought Information System for Southern South America (SADIS)
- Junior Professional Officer (JPO) to work Agricultural Meteorology and the IDMP at WMO by German Government [expected to start early 2019]
- Green Climate Fund (GCF) collaboration (i) WMO work on climate rationale [initiated in April 2018] (ii) GWP work to strengthen countries (NDAs, DAEs, Ministry of Water) capacity to prepare climate resilient water projects [PanAfrican workshop September 2018, PanAsian workshop (tbc) October 2018]

Zoom on Donors & Power Mapping developed by GWP with focus on APFM & IDMP

- 300+ prospects selected and analyzed:
 - By type / Affiliation to key water initiatives / Geographic scope / Profile / “What’s in it for them”, “What’s in it for us” analysis

Donor (Parent)	Funding Agency or program (child)	HQ location	Type of donor	NDA	Status (current donor, past donor)	Industry sector (for private sector donor)	WGR 2030 membi	CEO Water mandate membi	Other water commitments/ initiatives	Glod	Pan-Afri	Pan-Asi	Pan-Lac	Pan-Europ	CEE	MEE	CAF	EA	WAI	SAF	SAS	SEA	CACEN	A	SAN	CAN	CAR	CHI	Themes	Activities and programs	Dor			
Antigua and Barbuda NDA	Department of Environment	Antigua and Barbuda	Regional, Natic		Prospect				Green Climate Fund																									
AP7	Department of Environment	Sweden	Development Finance,		Prospect	Pension Fund				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Water Security	The Sida	
Apple	Apple	USA	Private sector, Foundat		Prospect	Information Technology			Carbon Disclosure Project (CDP) W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	SDGs	Urban	
Argentina NDA	National Directorate of Pro	Argentina	Regional, Natic		Prospect				Green Climate Fund															Yes								Water Security	Coc	
Arghyam		India	Private sector, Foundat		Prospect	Philanthropy	x														Yes											Urbanisation & Water Security, IWRM	Urban, APFM, IArg	
Armenia NDA	Ministry of Nature Protecti	Armenia	Regional, Natic		Prospect				Green Climate Fund														Yes									Water Security	The	
Arup	Arup	UK	Private sector, Foundat		Prospect	Engineering			SIWI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Water Security	APFM, IDMP, U
Asia Pulp and Paper	Asia Pulp and Paper	Indonesia	Private sector, Foundat		Prospect	Manufacturing		x				Yes																				Urbanisation & Water Security	Urban	
Asian Development Bank (ADB)	ASEAN Infrastructure Fund	Philippines	Development Finance,		Prospect							Yes											Yes									Water Security	APP	
Asian Development Bank (ADB)	Asian Development Fund	Philippines	Development Finance,		Prospect							Yes																				Urbanisation and Water Security	Urban	
Asian Development Bank (ADB)	ADB Climate Change Fund	Philippines	Development Finance,		Prospect							Yes	No	No	No								Yes									Climate Resilience & Water Security, U	APFM, IDMP, W	
Asian Development Bank (ADB)	ADB Institute Special Fund	Philippines	Development Finance,		Prospect							No	Yes	No	No								Yes									Water Security	Urban	
Asian Development Bank (ADB)	Urban Financing Partnership	Philippines	Development Finance,		Prospect							No	Yes	No	No								Yes									Urbanisation & Water Security	Urban	
Asian Development Bank (ADB)	Water Financing Partnership Facility	Philippines	Development Finance,		Prospect							Yes											Yes									Water Security	Urban	
Asian Development Bank (ADB)	Cooperation Fund for the V	Philippines	Development Finance,		Prospect							Yes											Yes									Water Security	Urban	
Asian Development Bank (ADB)	Governance and Cooperation Fund	Philippines	Development Finance,		Prospect							Yes											Yes									Water Security	Urban	
Asian Development Bank (ADB)	Poverty and Environment Fi	Philippines	Development Finance,		Prospect							Yes											Yes									Water Security	Urban	
Asian Infrastructure Investment Bank (AIIB)		Philippines	Development Finance,		Prospect							Yes											Yes	Yes	Yes		No	Yes				Climate Resilience & Water Security	Nexus	
Athelia Climate Fund	conservation and sustainab	Luxembourg	Development Finance,		Prospect							Yes	Yes	Yes	Yes								Yes									Climate Resilience & Water Security	Nexus	
Australia	DFAT/ Australian Water Par	Australia	Bilateral		Prospect							Yes											Yes	Yes								Climate Resilience & Water Security	Urban	
Australia	DFAT/ Australian Water Par	Australia	Bilateral		Prospect							Yes											Yes	Yes								Ecosystems & Water Security, Urbanis	Urban	
Austria	Austrian Development Ager	Austria	Bilateral		Current							Yes	Yes	Yes	Yes								Yes									Water Security	Urban	
Azerbaijan Amelioration and Water Farm	Open Joint Stock Comp	Azerbaijan	Regional, National or Local Gov						World Water Council														Yes									Food & Water Security	Urban	
Azerbaijan NDA	Ministry of Ecology and Nat	Azerbaijan	Regional, Natic		Prospect				Green Climate Fund														Yes										Water Security	Urban
Bacardi	Bacardi Family Foundation	Bermuda	Private sector, Foundat		Prospect	Beverages			SIWI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	IWRM	Urban	
Bahamas NDA	Ministry of Environment an	Bahamas	Regional, Natic		Prospect				Green Climate Fund																							Water Security	Urban	
Banco do Brasil	Água Brasil Program (Brazil	Brazil	Private sector, Foundat		Prospect	Finance		x																Yes								Ecosystems & Water Security	Urban	
Bangladesh Garments Manufacturers and Exporters association		Bangladesh	Regional, National or Local Gov		Prospect																		Yes									Climate Resilience & Water Security	Urban	
Bangladesh International Chamber of Commerce		Bangladesh	Regional, National or Local Gov		Prospect																		Yes									Transboundary & Water Security	Urban	
Bangladesh Ministry of Water Resources		Bangladesh	Regional, National or Local Gov		Prospect																		Yes									IWRM	Urban	
Bangladesh NDA	Economic Relations Division	Bangladesh	Regional, Natic		Prospect				Green Climate Fund														Yes										Water Security	Urban
Bank of Aland	Baltic Sea Project	Finland	Private sector, Foundat		Prospect	Finance			SIWI					Yes	Yes																	Ecosystems & Water Security	Urban	
Barbados NDA	Ministry of Finance and Eco	Barbados	Regional, Natic		Prospect				Green Climate Fund																								Water Security	Urban
Basf	Basf	Germany	Private sector, Foundat		Prospect	Chemicals			Carbon Disclosure	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Water Security	Urban
Bayer	Bayer	Germany	Private sector, Foundat		Prospect	Healthcare, Agriculture		x	AWS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Food & Water Security	Urban
Belgium	BTC	Belgium	Bilateral		Prospect																												Water Security	Urban
Belize NDA	Ministry of Fianace and Ec	Belize	Regional, Natic		Prospect				Green Climate Fund																								Water Security	Urban
Benin NDA	Ministry of Environment	Benin	Regional, Natic		Prospect				Green Climate Fund																								Water Security	Urban
Bhutan NDA	Gross National Happiness C	Bhutan	Regional, Natic		Prospect				Green Climate Fund																								Water Security	Urban
Bill and Melinda Gates Foundation	Bill and Melinda Gates Four	USA	Private sector, Foundat		Prospect	Philanthropy			N/A		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Urbanisation & Water Security	Urban	
Bloomberg Philanthropies	C40 Cities Climate Leaders	USA	Private sector, Foundat		Prospect	Philanthropy				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Climate Resilience & Water Security, U	Urban, APFM

Power Mapping developed by GWP

Objective: To map key donors and partners through a GWP strategic lens: what is important to them, and what do we offer that is in line with these priorities? What are our current connections/relationships, and how can we leverage them moving forward? →
Leverage knowledge for APFM and IDMP

1. ADB
2. AfDB-AWF
3. Austria
4. Bill and Melinda Gates Foundation
5. Canada
6. Coca-Cola
7. Denmark
8. EIB
9. EU
10. Finland
11. Ford Foundation
12. France
13. GCF
14. GEF
15. Germany
16. Hilton Foundation
17. IDB
18. Islamic Development Bank
19. Japan
20. Netherlands
21. Nordic Development Fund
22. Norway
23. OFID
24. Rockefeller Foundation
25. South Korea
26. Spain
27. Sweden
28. Switzerland
29. UK
30. USAID

Power Mapping

- Questionnaire* designed & has been “pre-filled” for first wave of 7 stakeholders
- Pre-filling currently **being completed by key GWPO contacts and regions**



Power Mapping Questionnaire for: Spain (MAEC, AECID)

1. Contacts

Which individual(s) have the power to decide on funds/investments allocations – what is their function(s)? Among those listed below, who do we currently have access and who is in touch with them? (Please star GWP's main contact(s), and indicate who from GWP is in touch with them.

GWP Contacts:

2. Spain & GWP, to date

Has the donor supported financially GWPO/GWP regional office to date?

2002 – 2017 (est): EUR 450k

Globally raised

Donor	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	F2016	E2017
SPAIN				125		138	155	20	20							

Locally raised

donor	2013	2014	2015	F2016	E2017

Additional GWP background

3. About ODA, Focus Areas

- **About ODA**
Spain channels a large part of its ODA (around 2billion) through **multilaterals (57%)**, and 15% through NGOs.

Main priority areas and sustainability issues for the organization

Main geographic focus areas

- Spain focuses its funding on Latin America, sub-Saharan Africa, and the Middle East and Northern Africa region (MENA). All of Spain's top 10 ODA recipients from 2012 to 2014 are in Latin America or in the MENA region. Due to Spain's focus on those two regions, the largest proportion of bilateral ODA is allocated to middle-



income countries (MICs), while Afghanistan is the only country among Spain's top 10 recipients that doesn't belong to the MIC category. Spain reduced the number of priority countries from 50 in 2013 to 23 by the end of 2016:

- Bolivia, Colombia, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Nicaragua, Paraguay, Peru, Ethiopia, Equatorial Guinea, Mozambique, Mali, Niger, Senegal, Mauritania, Morocco, West Bank and Gaza, Western Sahara, and the Philippines.
- In the water and sanitation sector, high priority is given to
 - Sub-Saharan Africa, the Middle East, the Maghreb, and Central and Eastern Europe.
- Multi-annual country partnership frameworks (MAPs) specify sector priorities and provide estimated annual budget allocations. They are developed jointly by the AECID, the partner countries, and local civil society organizations. Over the course of 2017, MAPs are expected to be updated for 13 countries.

Major sustainability-related flagship events

Which major events does the org participate in or organize? *Could there be an opportunity for any of these events to be supported by GWP?*

- World Water Forum, organized by World Water Council.
- World Water Week in Stockholm

4. Spain's Water Focus

Water focus

What is the donor's water angle/approach, and how do they pursue it (include funding priorities, recent funding initiatives, and anything new/emerging initiatives)?

About 8% of AECID's total funding in 2013 (884m euro) went to water and sanitation.

The Spanish strategy in the water sector is based on the concept of Integrated Water Resources Management (IWRM). Its main objectives are to: ensure the sustainable use of water resources; strengthen institutional and human capacities within environmental management, as well as the processes of action and social participation, in order to reduce socio-environmental vulnerability and help an efficient and sustainable environmental management. AECID strives to integrate environmental issues in the development strategies of the recipient countries, including satisfaction of basic social needs, emergency plans and aspects of the climate change, so as to promote sustainable development.

Most of AECID's water work runs through the **Cooperation Fund on Water and Sanitation (FCAS)**, which focuses on Latin America and distributed 790m euro in 2014 – this could be a great resource for RWPs. It focuses on services provision through infrastructure, as well as the strengthening of institutions. Funds are channeled bilaterally to 19 partner countries, or through the Interamerican Development Bank (IDB).

Thematic focus

What work does the donor do in relation to the following: SDGs, Climate, Urban, Nexus, Transboundary, Youth, Gender

The Cooperation Fund on Sanitation and Water (FCAS) is now looking to contribute to the SDGs, especially SDG 6.

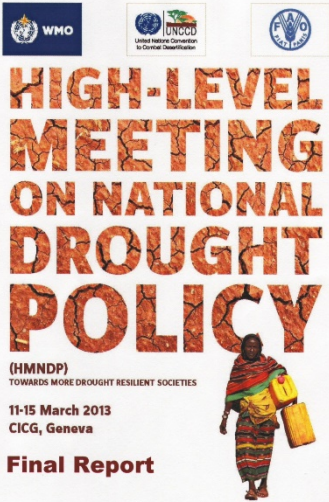
* +/- 10 questions about the org's decision making process, GWP's relationship owners, and the org's key events, themes and recipient (I)NGOs

Regional programmes and initiatives

*Support action and implementation on the ground,
adding to existing efforts the strength of IDMP and its partners*

- **Central and Eastern Europe (2013):** Bulgaria, Czech Republic, Hungary, Lithuania, Moldova, Poland, Romania, Slovakia, Slovenia, Ukraine
- **Horn of Africa (2014):** Djibouti, Eritrea, Ethiopia, Kenya, Somalia, South Sudan, Sudan and Uganda.
- **West Africa (2015):** First in Burkina Faso, Niger and Mali, and then share lessons learned with region through WMO partners, GWP Country Water Partnerships and other partners.
- **South Asia Drought Monitoring System (2014):** with IWMI in Afghanistan, Bhutan, Bangladesh, Nepal, India, Pakistan and Sri Lanka
- **Central America (2013):** Regional training workshop leading to training on SPI and assessment of current drought and assessment of economic impacts of droughts.
- **South America (2015):** Regional workshops in Bolivia and Argentina (MoU with Argentinian Government signed 2017) leading to follow-up activities with partners on drought management planning and monitoring.
- **Pacific Islands (2016):** Draft National Drought Policies developed In Solomon Islands and being developed in Tuvalu and Kiribati

Discussion



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

■ 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

■ Knowledge Sharing – “Clearinghouse of Information”:

- 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:

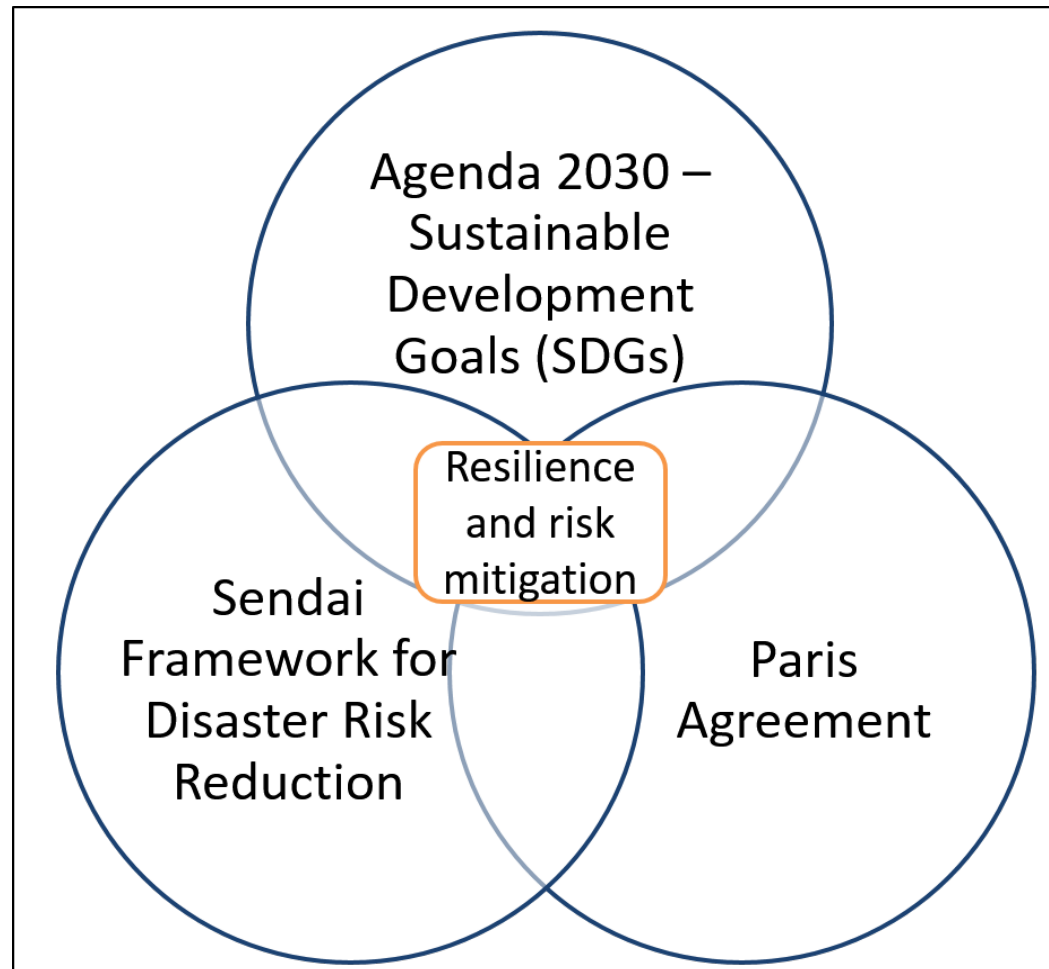
- Innovation - applying the principles of Integrated drought management
- Build on existing efforts that are scalable and make a significant contribution to building drought resilience through an integrated approach

■ Develop Capacities:

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

Introduction to IDMP 2017-2019

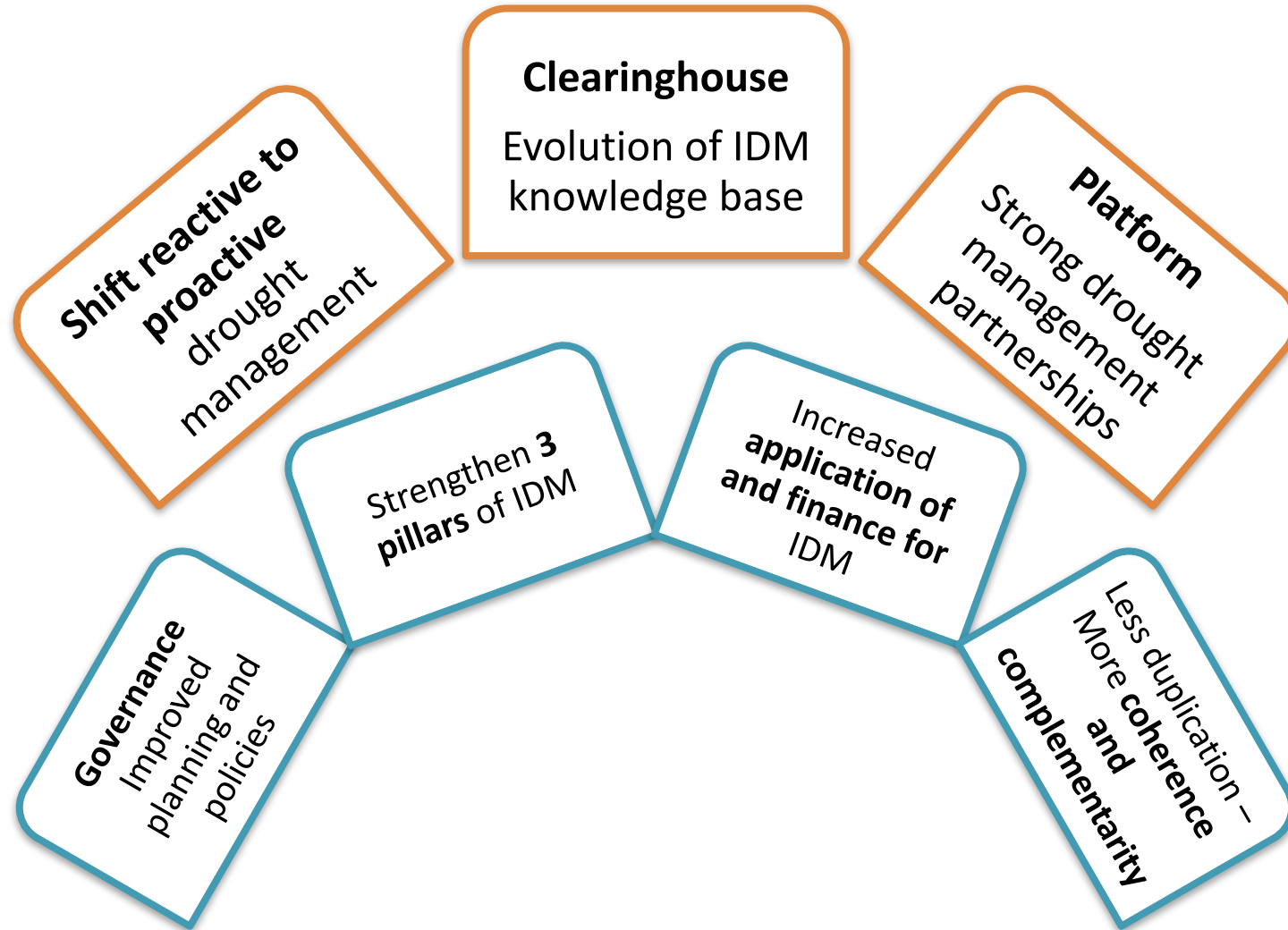
Work Programme



the **Three Pillars** of drought management



Outcomes



Structure

Goal 1 Catalyze Change

- Work Package 1: National, Regional and Transboundary cooperation

Goal 2 Generate and Share Knowledge

- Work Package 2: Capacity Development
- Work Package 3: Knowledge and Awareness

Goal 3 Strengthen Partnerships

- Work Package 4: Governance and Fundraising