



**UNW-DPC**  
UN-Water Decade Programme on Capacity Development

# Regional Workshop: Asia-Pacific

UN-Water Initiative  
WMO, UNCCD, FAO, CBD and UNW-DPC

## Capacity Development to Support National Drought Management Policies

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UN-Water Decade Programme  
on Capacity Development (UNW-DPC)  
Bonn, Germany

06-09 May 2014, Hanoi, Viet Nam

## UNW-DPC



# Drought: Basic Facts

- Drought ranks first among all natural hazards (Bryant, 1991) (based on severity, duration, spatial extent, life/economic loss and other measures).
- Impacts of drought include reduced crop production and water levels, increased livestock and wildlife death rates, and drastic socioeconomic impacts.
- Significant implications for food security, water scarcity and energy.
- Climate change is likely to shift the patterns of droughts and possibly to increase the frequency & severity of extreme drought conditions.



Image source: Sivakumar, K.M.

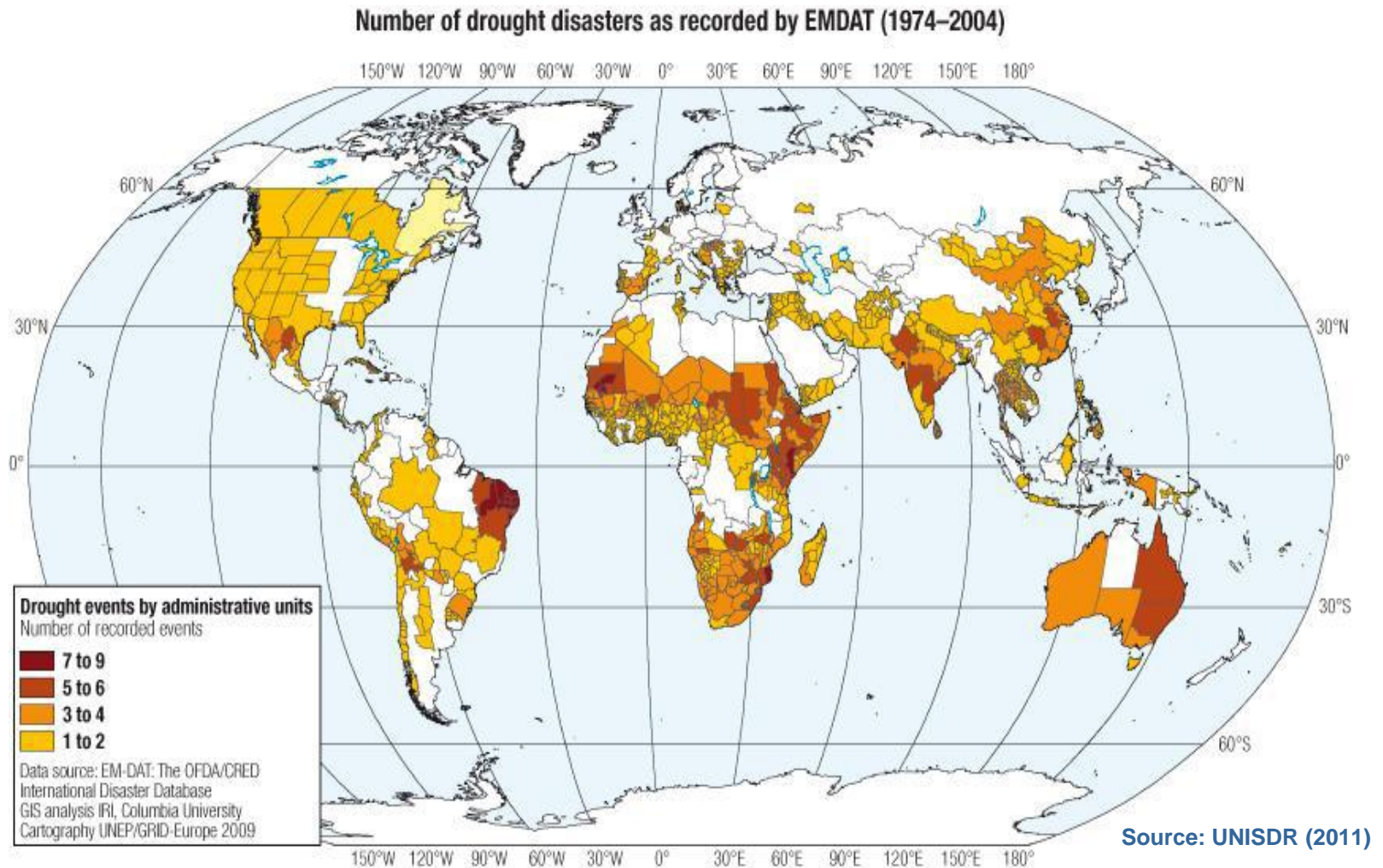
# Concerns



- Predominance of disaster response/crisis management over risk-based drought management approaches
- The problem of making a distinction between general development activities and 'drought preparedness' to identify specific problems related to drought
- Failure to recognize the need of developing drought management policies at country level taking into account long-term issues
- Lack of collaboration between sectors at country level and poor coordination among 'drought concerned' institutions in a country



# Drought – Most affected areas in the Globe



- Drought affects almost all climatic regions
- Most affected: Africa, Australia, Brazil, Central Asia, China, India, S.E. Europe & USA

# Survey on Drought

(conducted during the HMNDP, March 2013)

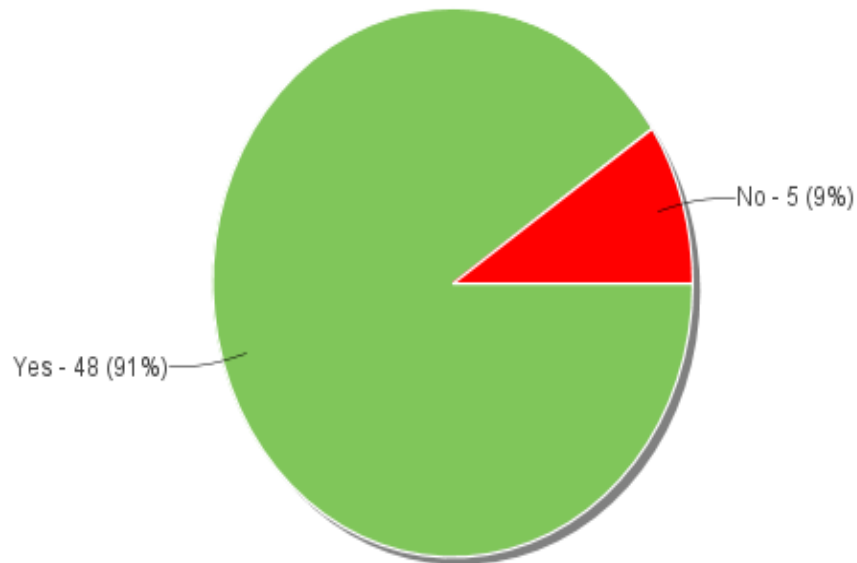
(Sample: 42 countries)



Capacity Development to Support  
**National  
DROUGHT**  
Management Policies

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**Has your country encountered drought  
in the last 10 years?**



**If yes, how often in the last 10  
years?**

Frequency of drought	Percentages
1 - 2	33%
3 - 5	50%
6 - 10	12%
> 10	4%

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# Quick Survey on Drought

(conducted during the kickoff, March 2013)

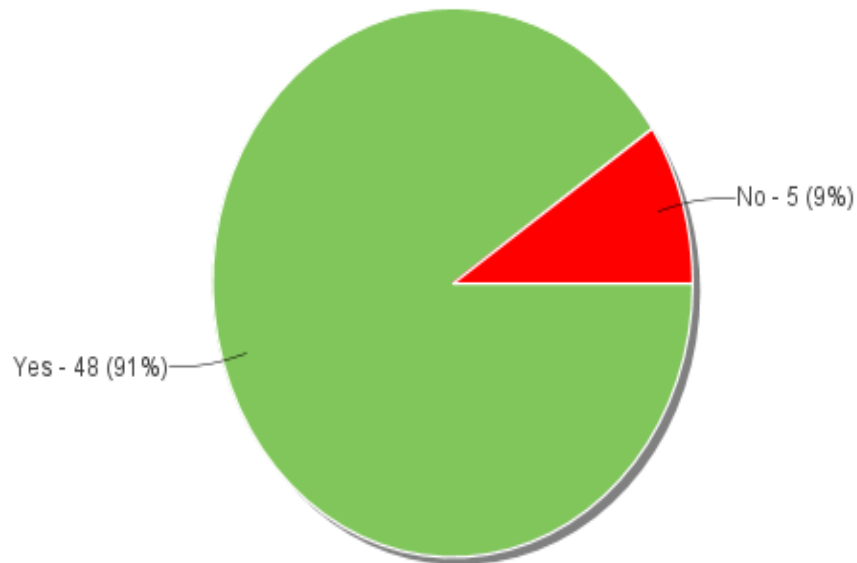
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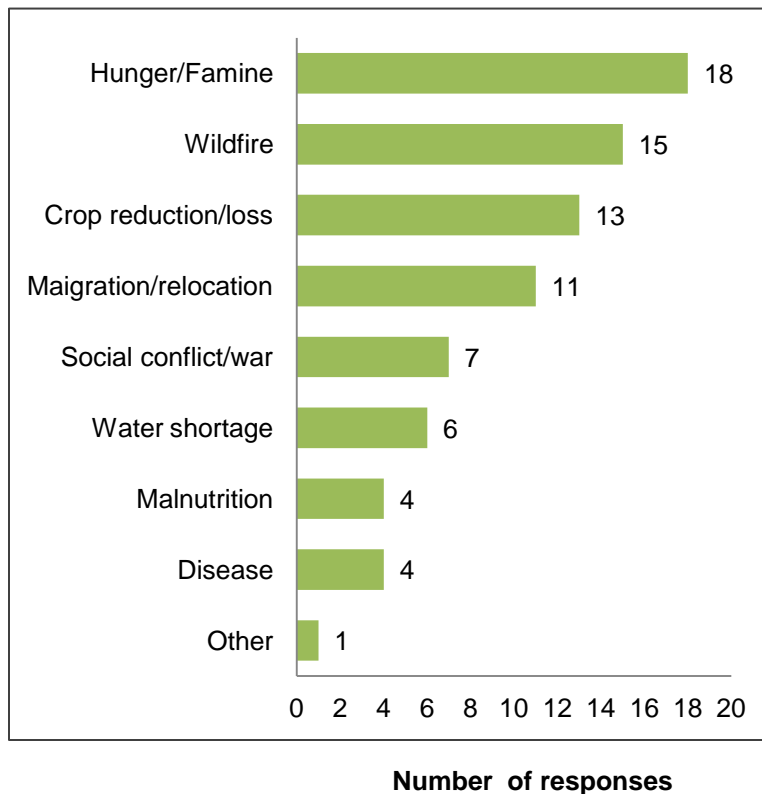
# Survey on Drought

(From 42 countries)

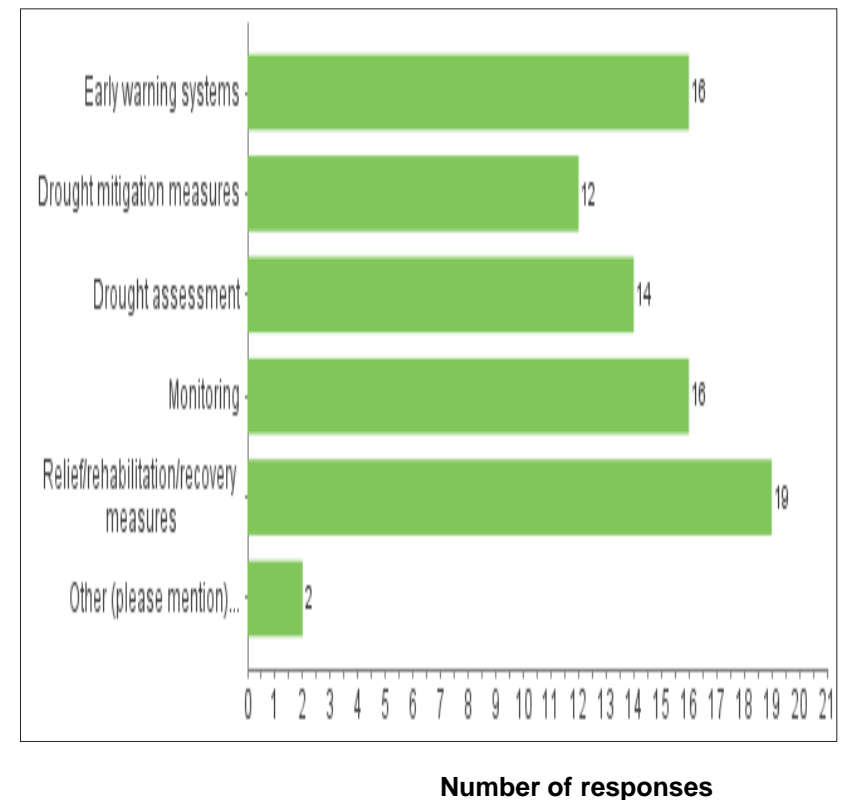


## Impacts & Measures

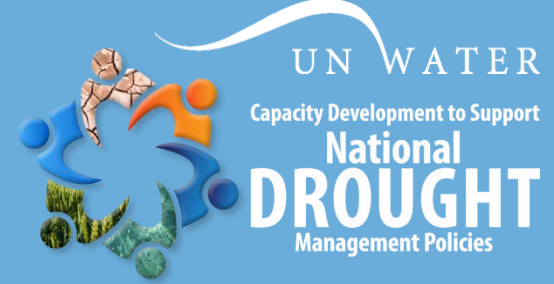
What was the most significant **impact** of the last drought?



What **measures** did you take?



# The UN-Water Initiative ...



## “Capacity Development to Support National Drought Management Policies”

initiative, **under UN-Water**, which brings together the expertise of several UN agencies to advance capacity in targeted drought-prone countries to enable them develop effective drought management policies



Image source: World Bank

# About the Partners



UNW-DPC

- The World Meteorological Organization (WMO)  
([www.wmo.int](http://www.wmo.int))



- United Nations Convention to Combat Desertification (UNCCD) ([www.unccd.int](http://www.unccd.int))



- Food and Agriculture Organization of the United Nations (FAO): ([www.fao.org](http://www.fao.org))



- Convention on Biological Diversity (CBD)



- UN-Water Decade Programme on Capacity Development (UNW-DPC): ([www.unwater.unu.edu](http://www.unwater.unu.edu))



# Key Goals of the Initiative



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- Raise awareness on risk based (proactive) NDMP, *instead of the business as usual “crisis based (reactive)”*
  - Enable nations to assess their national situation on disaster management and to identify and address the capacity needs
  - Capacity development to enable nations to identify a suite of strategies needed to develop risk based national drought management policies
- ❖ The overall aim of the initiative is to enable countries to formulate a proactive, risk based drought management policy at national level.





# Core of the initiative

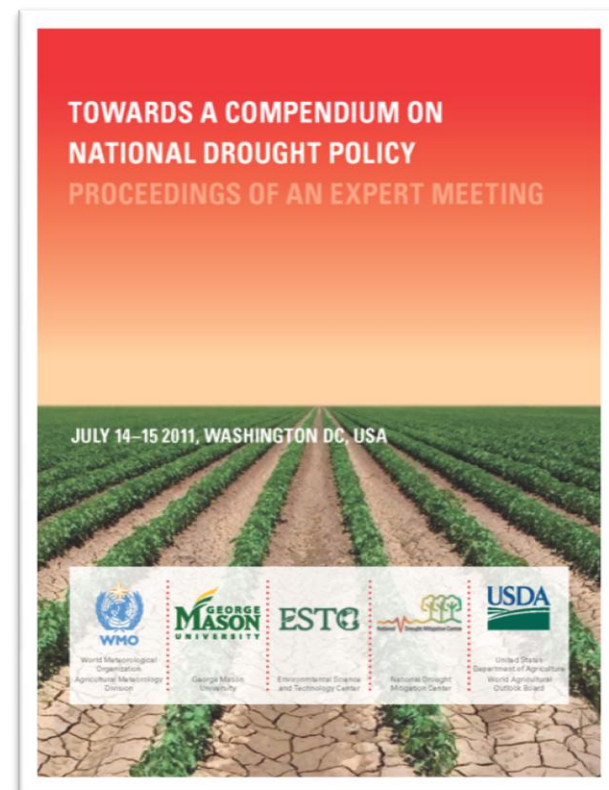


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## “Proposed Elements in the Compendium on National Drought Policy”

Set of key elements suggested for consideration in the development of national drought management policies:

1. **Drought Monitoring and Early Warning Systems**
2. **Vulnerability Assessment and Impacts**
3. **Emergency Relief and Response**



Sivakumar, Mannava V.K., Raymond P. Motha, Donald A. Wilhite, and John J. Qu (eds.), 2011.

# Focus of the initiative



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## Towards . . .

- Proactive mitigation, preparedness and planning measures
- Increased emphasis on Policy
- Improved drought monitoring tools and early warning systems
- Coordination of drought programs and response in an effective manner
- Development of regional drought preparedness networks





# Project Timeline







Convention on  
Biological Diversity



UNW-DPC



# Regional Workshop for Asia-Pacific Region

Cambodia, China, India, Indonesia,  
Laos, Malaysia, Myanmar,  
Philippines, Thailand, Viet Nam



Find out more on the initiative:  
[www.ais.unwater.org/droughtmanagement](http://www.ais.unwater.org/droughtmanagement)





# Workshop Agenda: Day 1



## Session 1: Opening and overview of the Initiative/workshop

## Session 2: Setting the scene

- Keynote presentation (Donald Wilhite, University of Nebraska)
- Biodiversity and Drought (David Coates, CBD)
- Presentation and discussion of Country Reports (10 Countries + VAWR case study)

# Wednesday, Day 2



## Morning

### Session 3:

- ❖ Drought monitoring and early warning systems  
(Robert Stefanski, WMO)
- ❖ Breakout group discussions

## Afternoon

### Session 4:

- ❖ Vulnerability and risk assessment (Sergio Zelaya, UNCCD)
- ❖ Breakout group discussions

# Thursday, Day 3



## Morning

### Session 5:

- ❖ Drought preparedness, mitigation and responses (Mohamed Bazza, FAO)
- ❖ Breakout group discussions

## Afternoon Session 6:

- ❖ Towards action plan: Developing Drought management policy (Daniel Tsegai, UNW-DPC)
- ❖ Breakout group discussions

# Friday, Day IV



## Session 7: Wrap up and Field visit

- ❖ Discussion of “TAKEHOME” messages and foreseen challenges (a selection of countries guide the discussion)
- ❖ Final Remarks (FAO Vietnam, VAWR, organizers)
- ❖ Field Visit



# UNW-AIS

UN-Water **Activity** Information System

**Discover, learn and share!**

An integrated online information system and  
e-learning platform for water-related activities



**[www.ais.unwater.org](http://www.ais.unwater.org)**

UNW-AIS is managed by UNW-DPC



Find out more on the initiative:  
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# NDMP on UNW-AIS





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Home > [Topics](#) > Climate Change and Disaster Risk Management > National Drought Management Policies Initiative

### Topic outline



A UN-WATER INITIATIVE  
**Capacity Development to Support  
National Drought Management Policies**



The World Meteorological Organization (WMO), the Food and Agriculture Organization of the United Nations (FAO) and the United Nations Convention to Combat Desertification (UNCCD) in cooperation with the UN-Water Decade Programme on Capacity Development (UNW-DPC) have initiated the Joint Capacity Development Project on National Drought Management Policies. The project was launched by an international kick-off workshop in Geneva in March 2013, and will be followed by a series of regional workshops in several drought-prone regions worldwide in 2013-2014. After the workshop series, the initiative will close with a final wrap-up conference.

It has been estimated that droughts are the world's costliest natural disaster, accounting for a cost of 6-8 billion US dollars annually, and affect more people than any other form of natural disaster (Wilhite, 2000). They are considered to be the most far-reaching of all natural disasters, causing short and long-term economic losses as well as significant secondary and tertiary impacts, particularly in the food, water and energy sectors. Droughts are considered to impact nations and countries around the world with dramatic economic and ecologic damage. To reduce the societal vulnerability to droughts, the initiative aims to reinforce a paradigm shift to overcome prevailing



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[Feedback Form](#)



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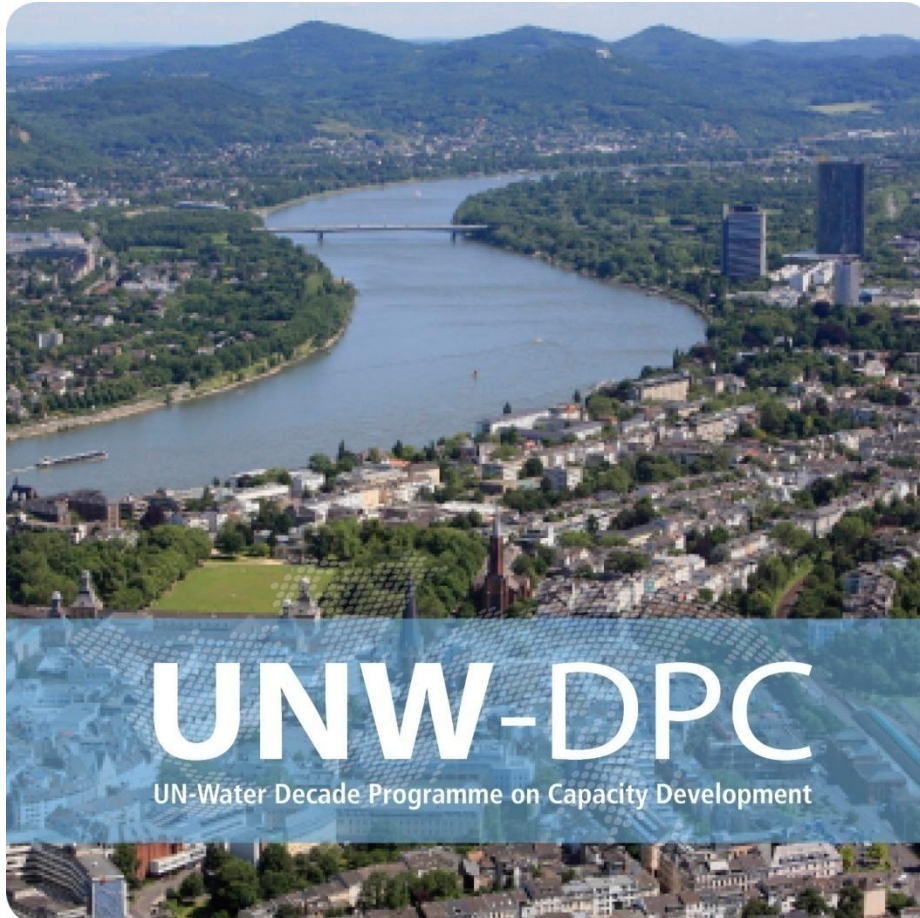
UN\_Water Interested in "Safe Use of Waste Water in Agriculture"? Check out <http://t.co/BQwvveb9Uq> #UNWais <http://t.co/ZBGMbZswis> 19 hours ago · reply · retweet · favorite

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Documents the activities of the initiative can be found at:  
[www.ais.unwater.org/droughtmanagement](http://www.ais.unwater.org/droughtmanagement)

# Thank you!

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Capacity Development  
(UNW-DPC)**

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A UN-Water Initiative

UN WATER



Moving from crisis to risk management

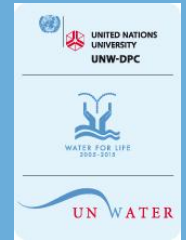
# Capacity Development to Support National DROUGHT Management Policies



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# UNW-DPC's mission



- Enhance coherence and effectiveness of **capacity development activities** of UN-Water members and partners
- **Strengthen the capability** of UN-Water members and partners **to support member states** to achieve the MDGs

# Implementation Mechanism



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## Kick-Off workshop

12 March 2013, Geneva



## Regional Workshops:

1. Eastern Europe ✓
2. Latin America & the Caribbean
3. Asia-Pacific
4. Africa