



UNW-DPC
UN-Water Decade Programme on Capacity Development

Regional Workshop: Near East and North Africa Region

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

17-20 November 2014, Cairo, Egypt

Drought: Basic Facts

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



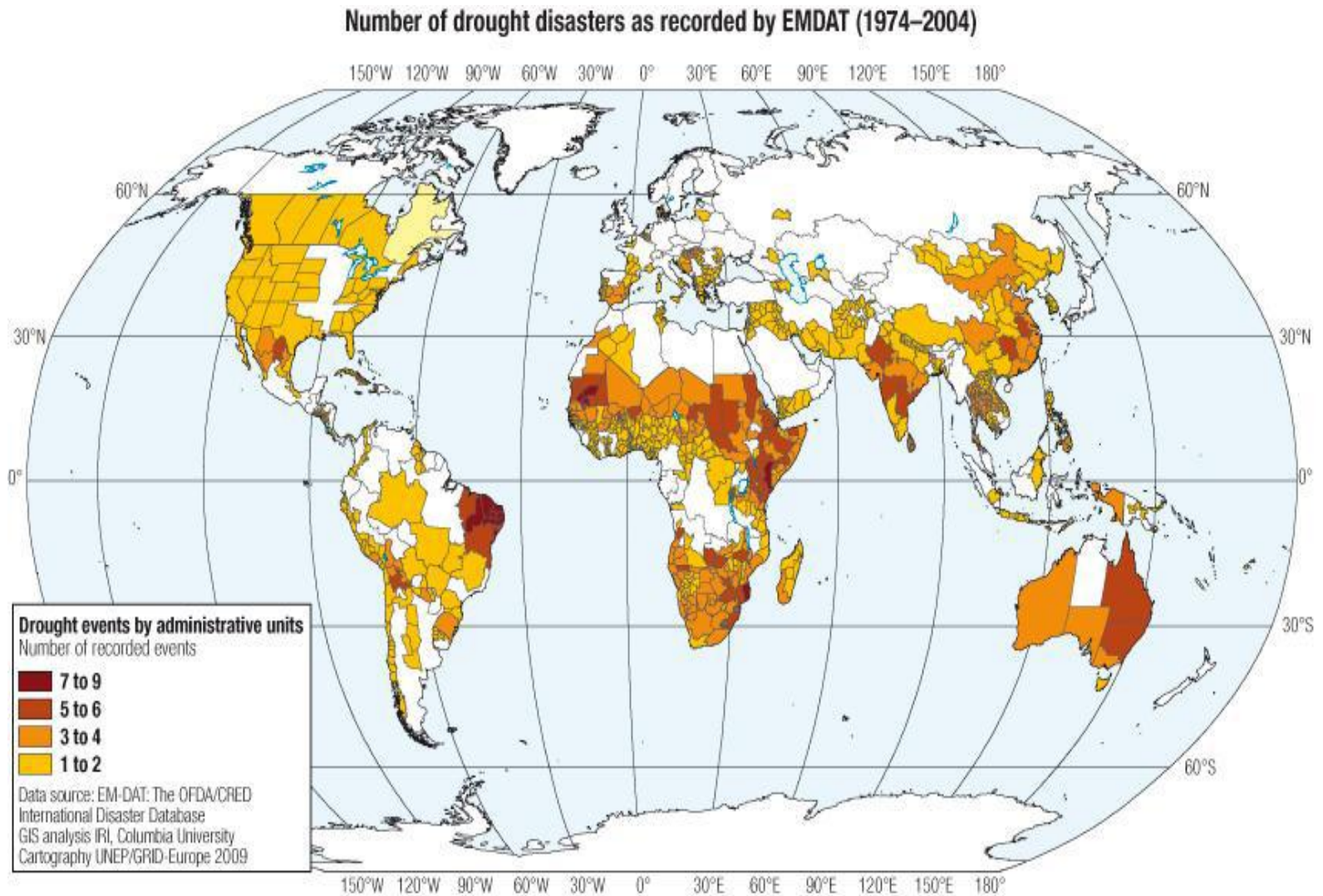
Image source: Sivakumar, K.M.

Causes of concern . . .



- Predominance of **proactive/disaster response/crisis management** over **proactive/risk-based** drought management approaches
- The problem of **making distinction** b/n general development activities & ‘drought preparedness’ to identify specific drought related problems
- Failure to **recognize the need** of developing drought management policies at country level taking into account long-term issues
- Country-level **lack of collaboration among sectors & poor coordination** among ‘drought concerned’ institutions

Drought affects almost all climatic regions . . .



Source: UNISDR (2011)

Survey on Drought

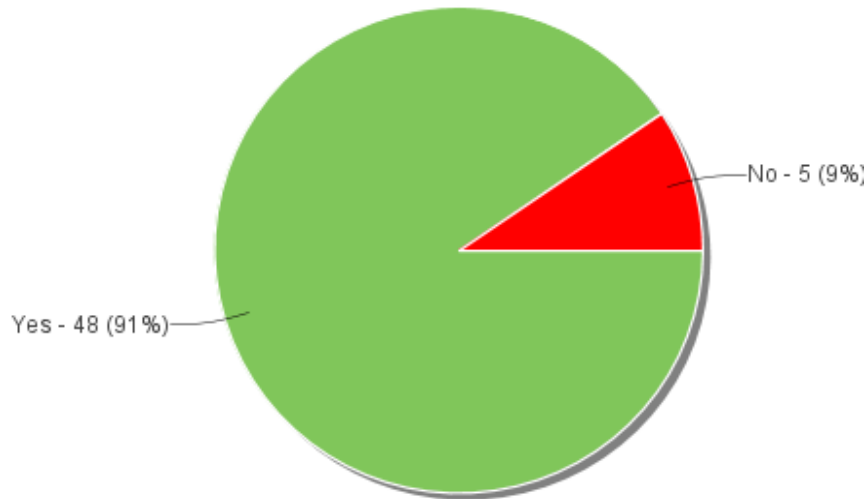
(conducted during the HMNDP, March 2013)

Response from representatives of 42 countries



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

Has your country encountered drought in the last 10 years?



If yes, how often in the last 10 years?

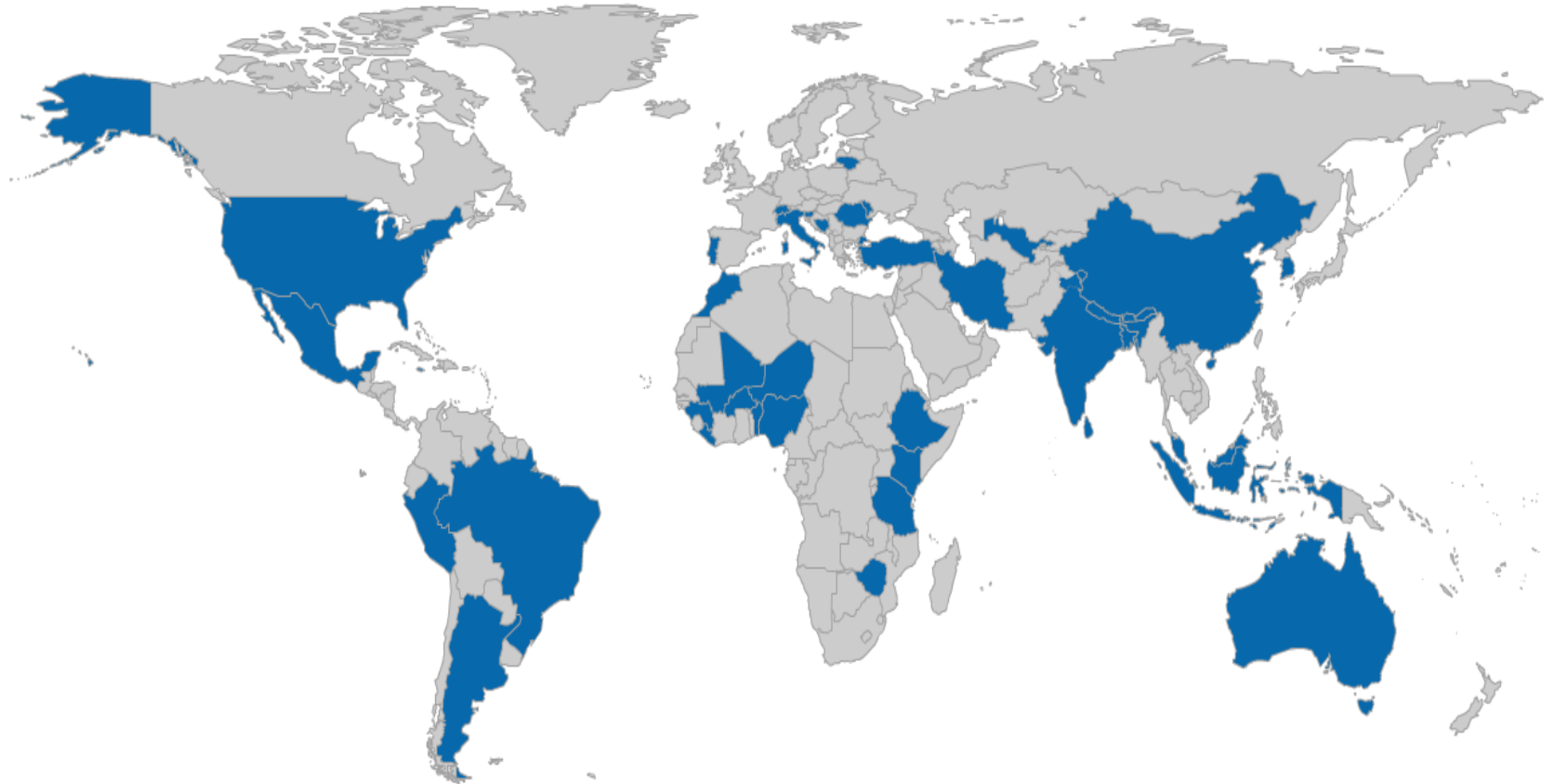
Frequency of drought	Percentages
1 - 2	33%
3 - 5	50%
6 - 10	12%
> 10	4%

Surveyed Countries



Capacity Development to Support
National DROUGHT
Management Policies

UNW-DPC



Survey Results

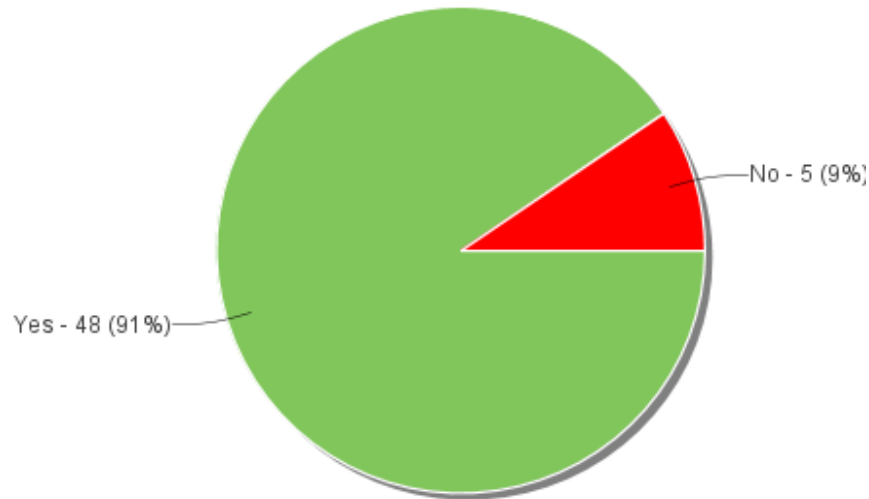
(conducted during the kickoff, March 2013)

Sample: 42 countries



Capacity Development to Support
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Survey on Drought (March 2013)

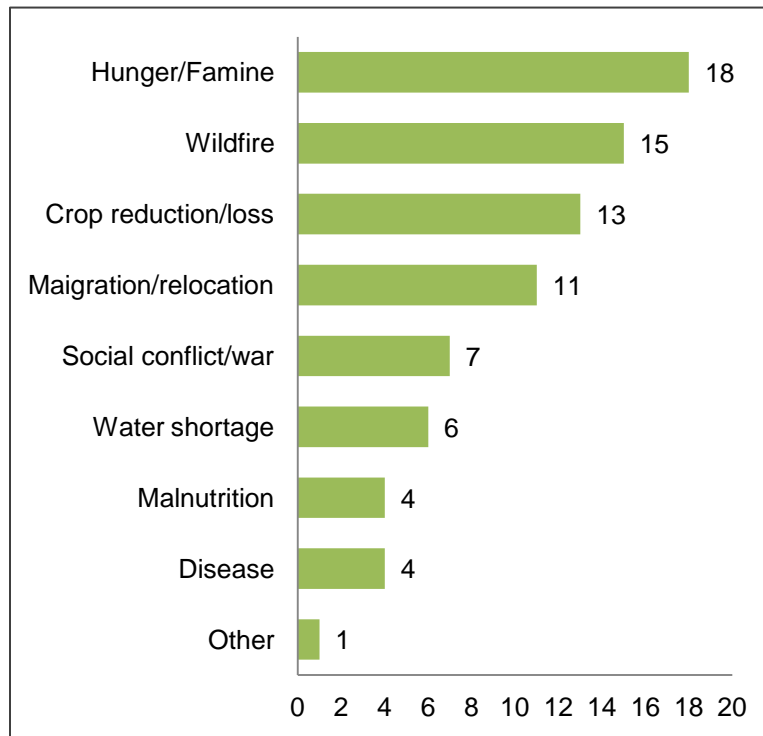
42 countries participated



Capacity Development to Support
National DROUGHT
Management Policies

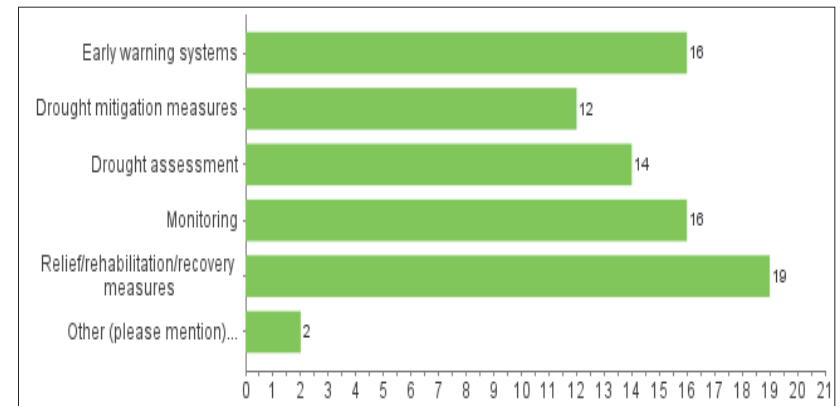
Impacts & Measures

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



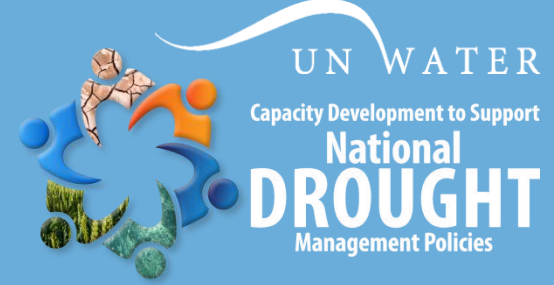
Number of responses

What **measures** did you take?



Number of responses

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)



- United Nations Convention to Combat Desertification
(UNCCD (www.unccd.int))



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



- Convention on Biological Diversity (CBD)



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



- Ministry of Agriculture and Land Reclamation,
Arab Republic of Egypt

Key Goals of the Initiative



- 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



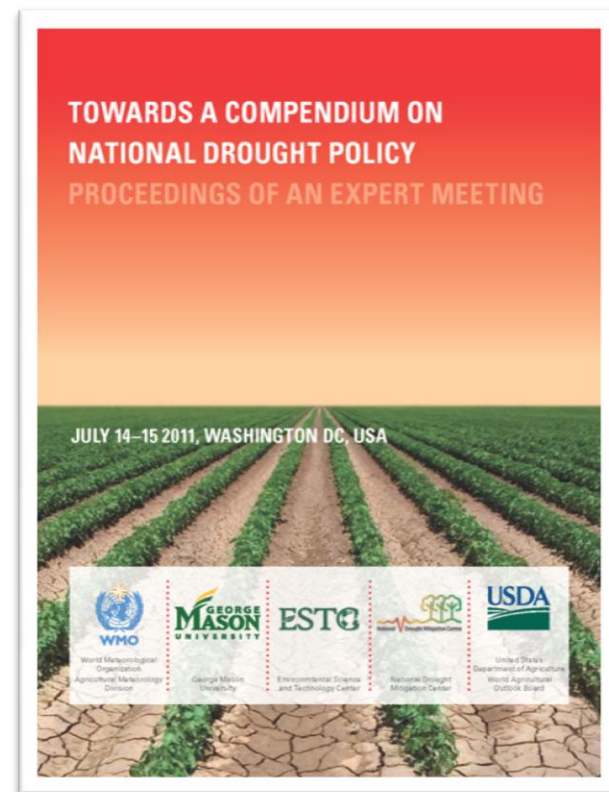
Core of the initiative



“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. Mitigation and Response



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

Emphasis of the Initiative



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**



Timeline of the workshops

International Kick-Off Workshop

March 12, 2013
Geneva, Switzerland



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International Kick-Off Workshop

March 12, 2013
Geneva, Switzerland

1st WS Eastern European Region

July 9-11, 2013
Bucharest, Romania



Timeline of the workshops

**International
Kick-Off Workshop**

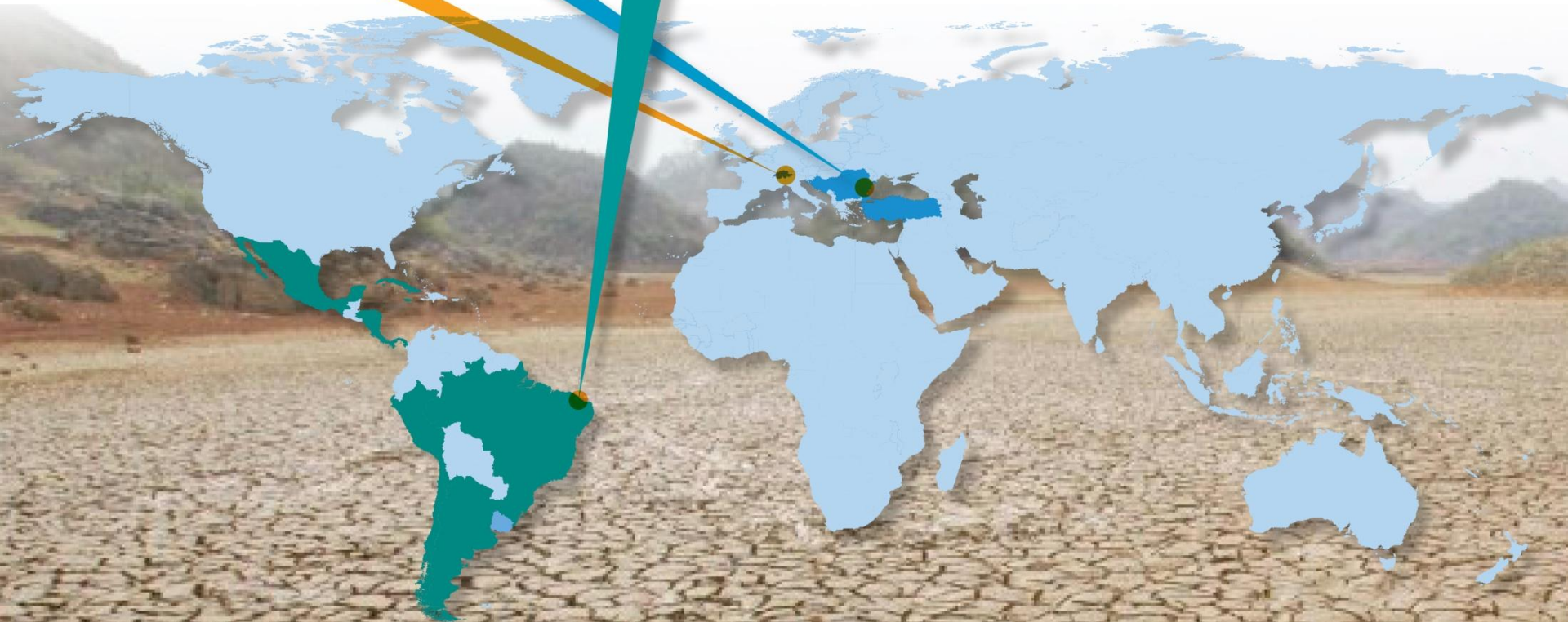
March 12, 2013
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**1st WS
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**2nd WS Latin
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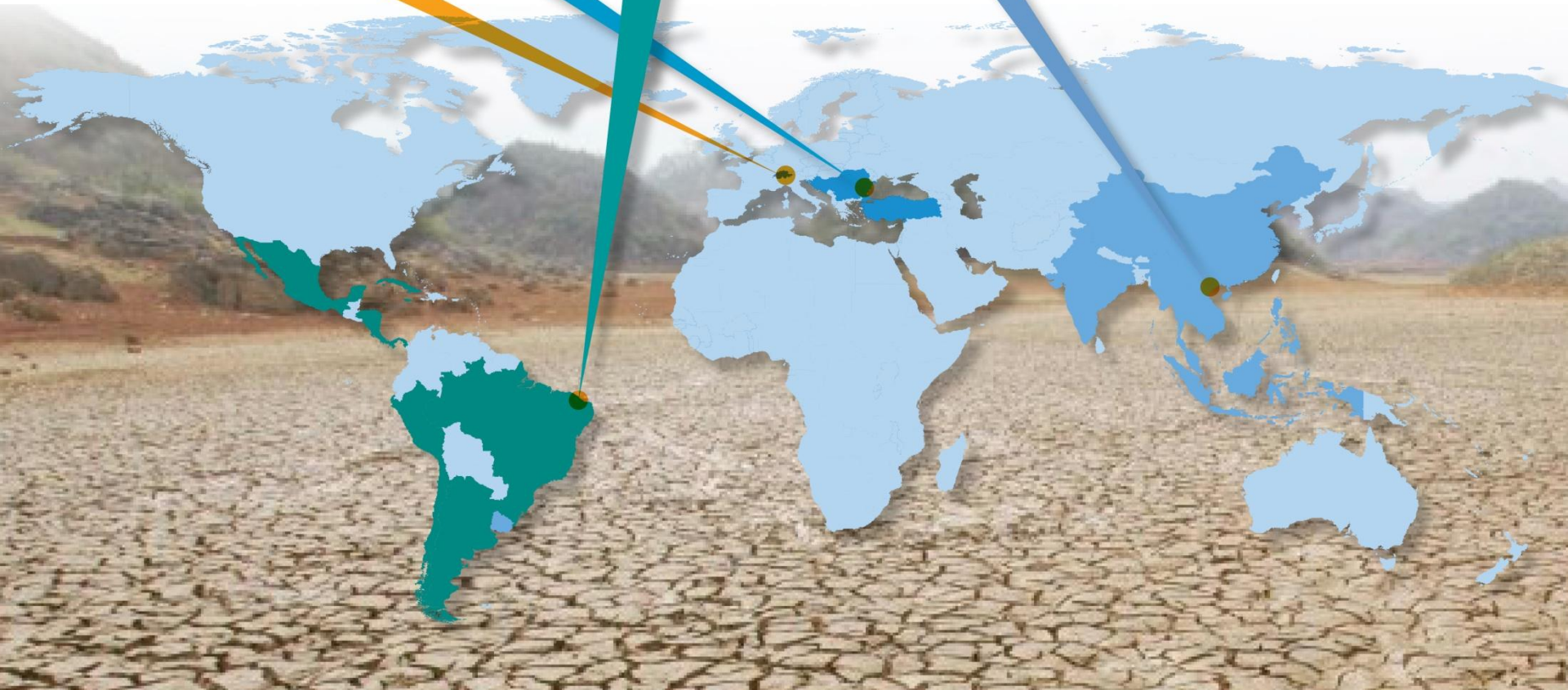
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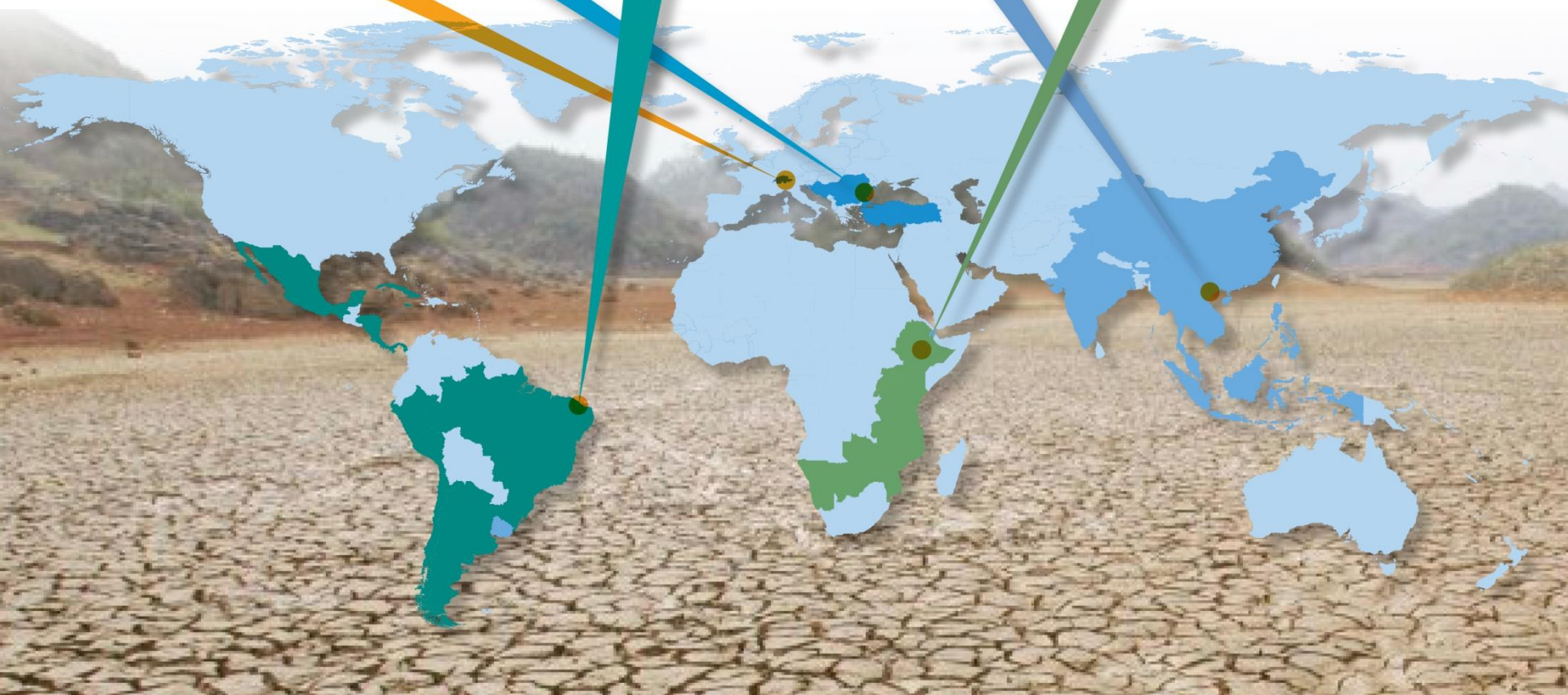
December 4-6, 2013
Fortaleza, Brazil

3rd WS Asia-Pacific Region

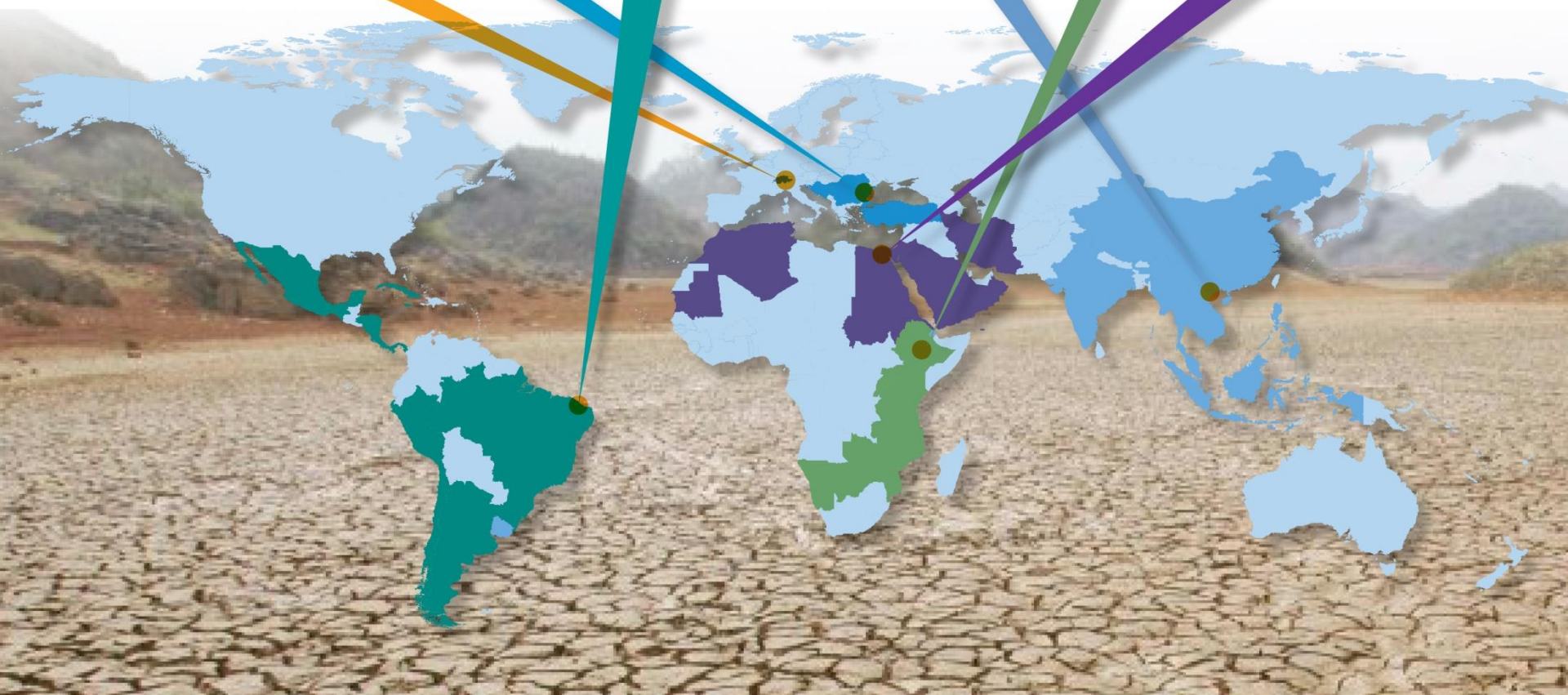
May 6-9, 2014
Hanoi, Vietnam



Timeline of the workshops



Timeline of the workshops





Convention on
Biological Diversity



UNW-DPC



Regional Workshop for North East and North Africa Region

Algeria, Egypt, Eritrea, Iran, Jordan,
Mauritania, Morocco, Oman, Saudi Arabia,
Sudan, Tunisia, West Bank and Gaza,
Yemen



Find out more on the initiative:
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**
(5-10 minutes each)

Tuesday, Day 2



Morning Session 3:

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

Afternoon Session 4:

- Vulnerability and risk assessment
(Boubacar Cisse, UNCCD)
- Breakout group discussions

Wednesday, 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 policies** (Daniel Tsegai, UNW-DPC)
- **Breakout group discussions**

Thursday, Day IV



Session 7: Wrap up

- Discussion of “TAKEHOME” messages and foreseen challenges
- Awarding of certificates
- Closing speech
- Final Remarks of Local Partners & organizers
- Farewell

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

UNW-AIS is managed by UNW-DPC



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



Capacity Development to Support
National DROUGHT
Management Policies

UNW-DPC

UN WATER | UNW-AIS
UN-Water Activity Information System

Home Projects Publications Learning Platforms UN-Water

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

UNITED NATIONS UNIVERSITY
UNW-DPC

WATER FOR LIFE
2008-2014

UN WATER

UNW-AIS is managed by UNW-DPC

Feedback Form

UN-Water Interested in "Safe Use of Waste Water in Agriculture"? Check out <http://t.co/BQwv6b9Uoi> #UNWais <http://t.co/ZBGltbZswiS> 19 hours ago · reply · retweet · favorite

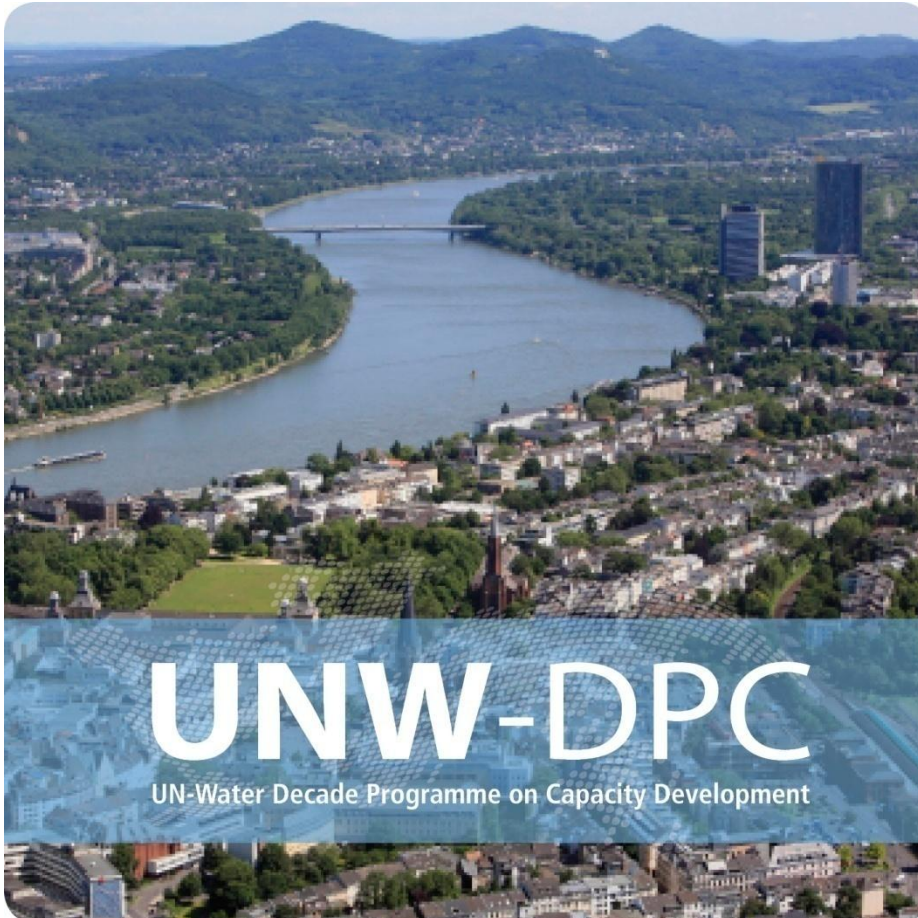
UN-Water Find out about Water & Climate change projects from #UNWater

Relevant documents of the initiative can be found at:

www.ais.unwater.org/droughtmanagement

Thank you!

UNW-DPC



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

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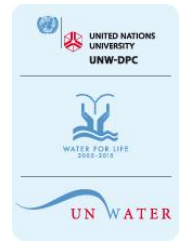
Fax: + 49 (0) 228 815-0655

E-Mail: info@unwater.unu.edu

www.unwater.unu.edu



Convention on
Biological Diversity



UNW-DPC



A UN-Water Initiative

UN WATER



Moving from crisis to risk management

Capacity Development to Support National DROUGHT Management Policies



Find out more on the initiative:
www.ais.unwater.org/droughtmanagement



Implementation Mechanism



UNW-DPC



Kick-Off workshop
12 March 2013, Geneva



Regional Workshops:

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