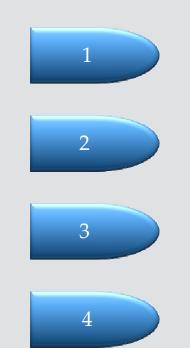


Strengthening National Capacities to Manage Water Scarcity and Drought in West Asia and North Africa

Sami Areikat Division for Sustainable Development, UN -DESA

Outline

Introduction to Department and Division



Introduction to Division's work on Capacity Building for Sustainable Development

Overview of Capacity Building project on Water Scarcity and Drought Management

Drought Monitoring and Early Warning Systems



UN Department of Economic and Social Affairs Division for Sustainable Development

Who we are and our Mandate

UN DESA – Division for Sustainable Development



DESA Mandate: Promote and support international cooperation in the pursuit of sustained economic growth, the eradication of poverty, and sustainable development for all.



DSD Mission: The Division for Sustainable Development (DSD) provides leadership in promoting and coordinating implementation of the sustainable development agenda of the United Nations.

Capacity Building for Sustainable Development

Rio+20 main outcome document—The Future We Want—puts emphasis on building developing countries' capacity for sustainable development

To enhance the technical, human and institutional capacities of developing countries and countries with economies in transition to implement national strategies for sustainable development **Capacity Development Project:**

STRENGTHENING NATIONAL CAPACITIES TO MANAGE WATER SCARCITY AND DROUGHT IN WEST ASIA AND NORTH AFRICA





This project is a response to Rio + 20's:

Call for urgent action to address desertification, land degradation, drought, and water scarcity



Call for disaster risk reduction and the building of community resilience to disasters Commission on Sustainable Development (CSD-17)

Called for effective drought management considering social, economic and environmental aspects.

Drought in West Asia/North Africa (WANA) Region

•The West Asia/North Africa region is highly vulnerable to natural disasters, and is increasingly bearing greater social and economic losses due to natural disaster events.

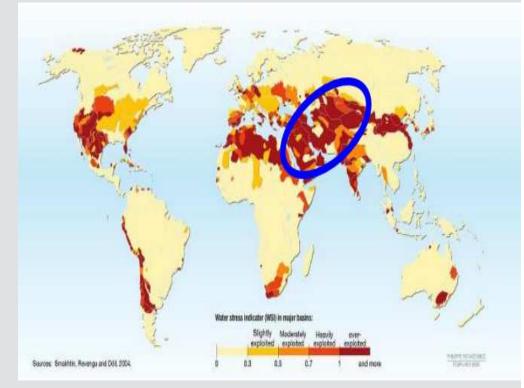
• In the Arab region, total people affected by drought from 1970-2009 is about 38 million (+10% of population).



Vulnerability in West Asia/North Africa to Water Scarcity

• About 90% of the West Asia & North Africa region is considered as arid or semi arid.

•About 70% of the region's water flows across international borders (shared rivers).

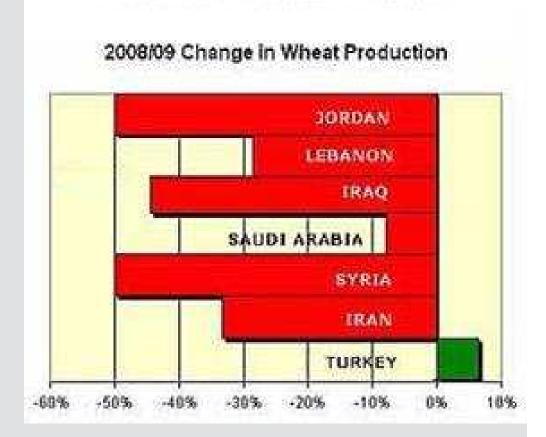


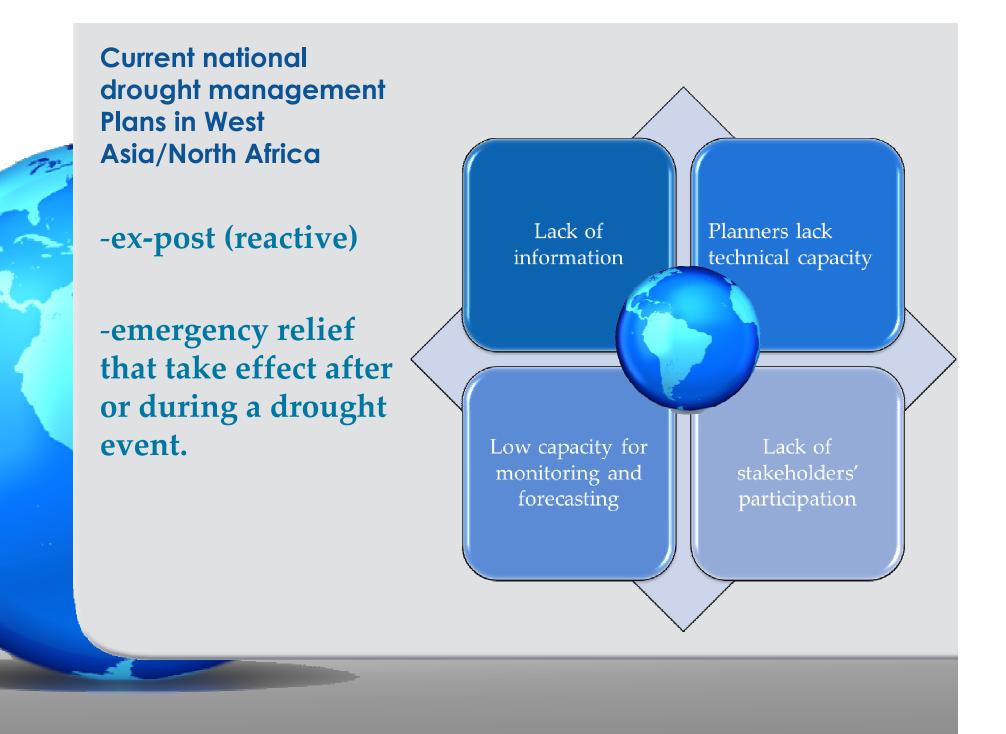
Vulnerability in West Asia/North Africa to Food Shortage

The Middle East suffered the worst agricultural droughts in recent decades in 2008/09.

Resources:

- MIDDLE EAST: Deficient Rainfall Threatens 2009/10 Wheat Production Prospects. USDA-FAS, Office of Global Analysis. Dec.15, 2008.

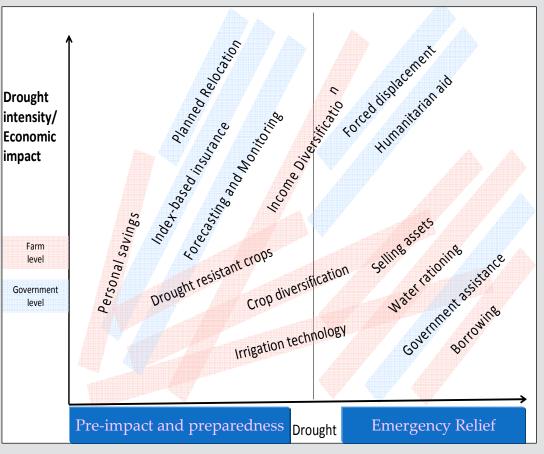




Strengthening National Capacities to Manage Water Scarcity and Drought in West Asia and North Africa

Main objective:

Capacity building in the
formulation,
implementation and
monitoring of proactive
and preparedness
drought management
strategies.Drought
intensity/
Economic
impactDrought
intensity/
Economic
impactFarm
level



Best Practices/Essential Elements for National Drought Management Policy



Promoting standard approaches to vulnerability and impact assessment

Implementing effective drought monitoring and early warning systems

Enhancing preparedness and mitigation actions



а

b

C

Implementing emergency response and recovery measures that reinforce national drought management policy goals

e

Water scarcity and drought conflict prevention measures

Implementing effective drought monitoring and early warning systems

Policy Outcomes

Rio+20 main outcome document—The Future We Want— called for:

- developing and implementing scientifically based methods and indicators for monitoring and assessing the extent of desertification, land degradation and drought (Para 208).
- Called for cooperation in sharing climate and weather information and forecasting and early warning systems related to desertification, land degradation and drought, (Para 209).

Initial Study under the project



Establishing Drought Early Warning Systems in West Asia and North Africa





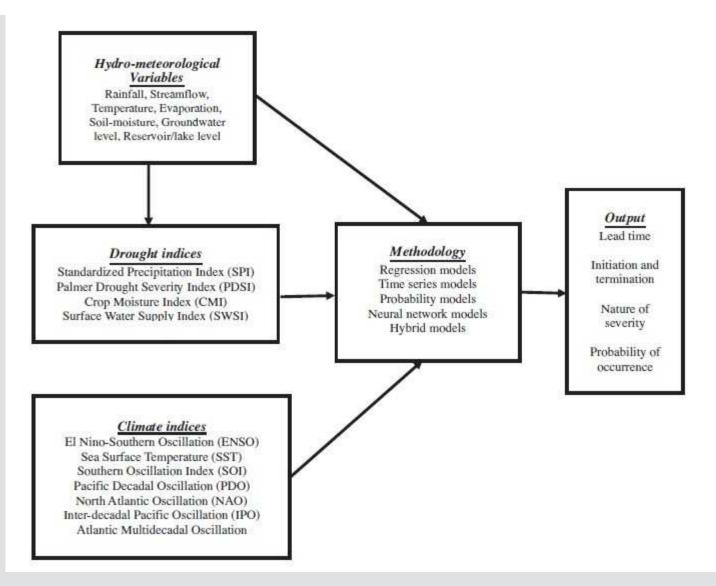
Development Account Project 1213C "ROA-207"

Strengthening National Capacities to Manage Water Scarcity and Drought in West Asia and North Africa

Department of Economic and Social Affairs (UN-DESA) Division For Sustainable Development (DSD)

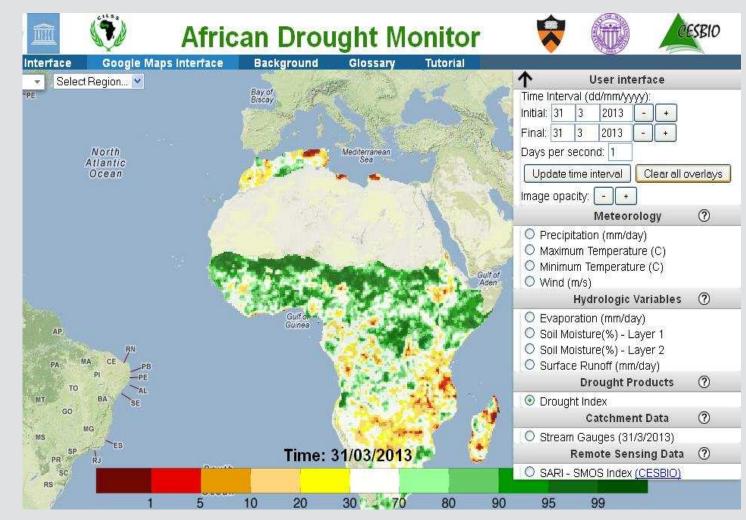
April 2013





Different components of drought forecasting (Mishra and Singh, 2011).

Drought monitoring systems available for use in countries in West Asia and North Africa...

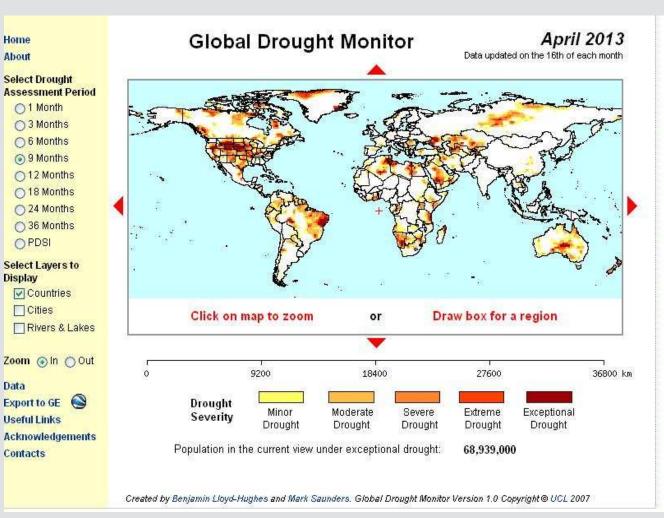


African Drought Monitor and Global Drought Monitor



About

Display



Drought News (31 Mar to 03 Apr)

Europe

Albania (1) Denmark (1) Germany (2) Italy (1) Romania (1) Russia (2) Ukraine (1) United Kingdom (4)

Africa

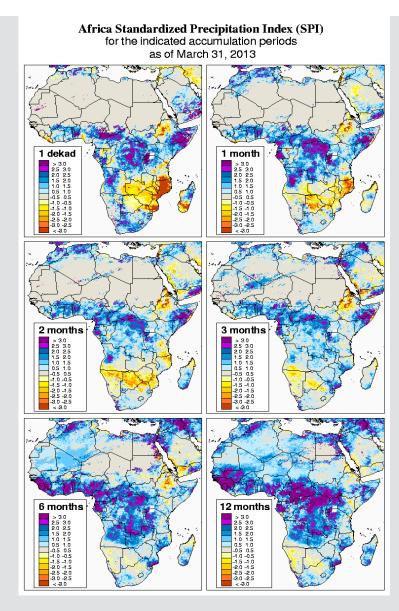
Cameroon (1) Chad (1) Egypt (1) Ethiopia (1) Ghana (1) Kenya (2) Mauritania (1) Morocco (2) Somalia (1) South Africa (2)

Americas

Bermuda (1) Botswana (1) Canada (1) Jamaica (3) Mexico (2) United States (50) Argentina (1) Panama (1) Peru (2)

US Geological Survey (USGS) Famine Early Warning Systems Network (FEWS NET) Data Portal

- Probably the most comprehensive one available;
- 20 indices including SPI, Daily 10-day Moisture Index etc. are mapped and easily accessed.



Example Africa SPI map



Regional/National stakeholders, Counterparts and Institutions

Government Ministries (Planning, Agriculture, Environment, and Water) National and Local water authorities and water suppliers

Farmer communities

Water consumers and users Meteorological and hydrographical institutions

NGOs

Strengthening National Capacities to Manage Water Scarcity and Drought in West Asia and North Africa

Expected Accomplishments:

EA.1: Increased awareness and knowledge

EA.2: Increased capacity of institutions

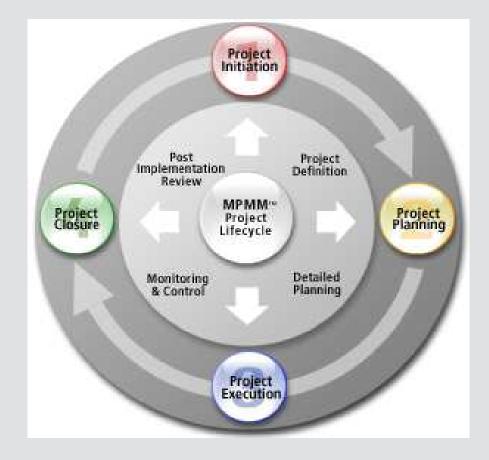
Project Management

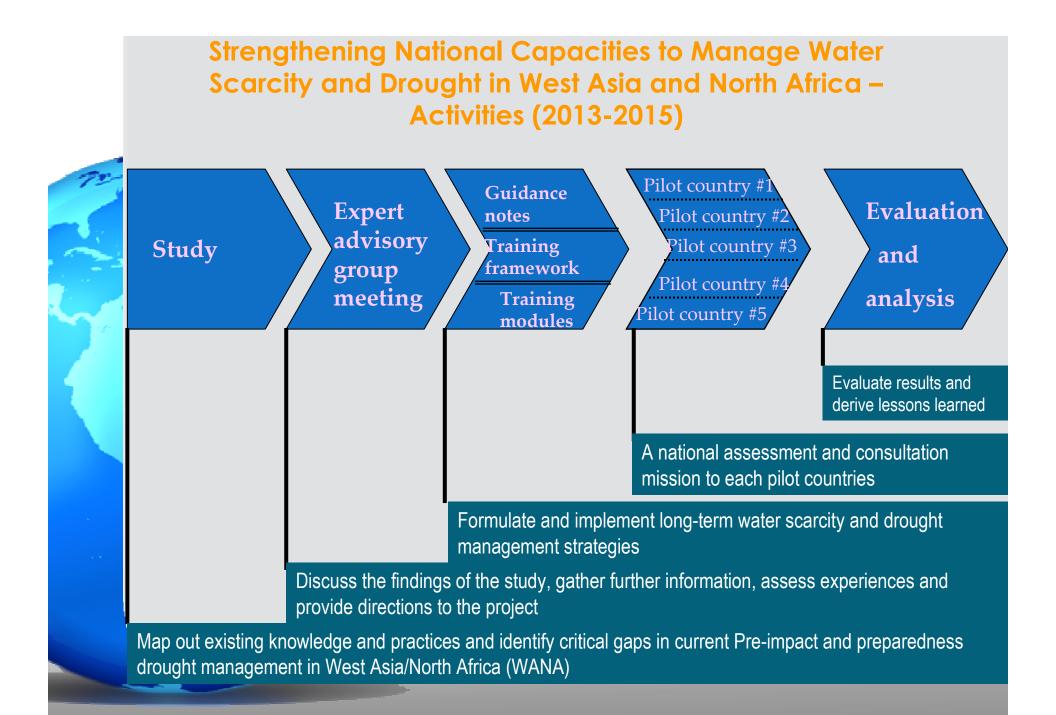


The project will be executed by UN-DESA in partnership with UN-ESCWA and cooperation with the UN partners

> UN Partners including FAO, WMO, UNISDR, UNEP, UNCCD, UNDP, UNCCD

> The two regional commissions ESCWA and ECA.





Country-Level planned activities

For each of the Five (5) pilot countries:

1. Conduct a national assessment and consultation mission .

2. Conduct country-specific analytical studies on water scarcity and drought.

3. Support Drought Management Team Building (Inclusive Participatory Process)

4. Adapt training modules (based on the project's Guidance Notes) to the specific needs of each pilot country;

5. Conduct stakeholders consultation and training workshops for national planners, policymakers and stakeholders

6. Hold national interventions and working group meetings to support developing management plans.

Expert Group and Inception Meeting

Strengthening National Capacities to Manage Water Scarcity and Drought in West Asia and North Africa

> 24-25 June 2013 Beirut, Lebanon

Back to Back with the RICCAR EGM scheduled 26-28 June, 2013

EGM Objectives

- Examine existing knowledge, practices and critical gaps in drought management in the region.
- Coordinate with recent and ongoing regional and national initiatives on water scarcity and drought management
- **Establish Project's Expert Advisory Group**
- Develop criteria, recommendations and solicit initial expressions of interest for selecting the pilot countries

Discuss and update the project's work plan, implementation arrangements

Thank you!

Feel free to contact:

Sami Areikat, Sustainable Development Officer

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