



World Meteorological Organization

Weather • Climate • Water

Session 4: Tools for climate change adaptation

4th Workshop on Water and Adaptation to
Climate Change in Transboundary Basins

Geneva, 25-26 June 2013

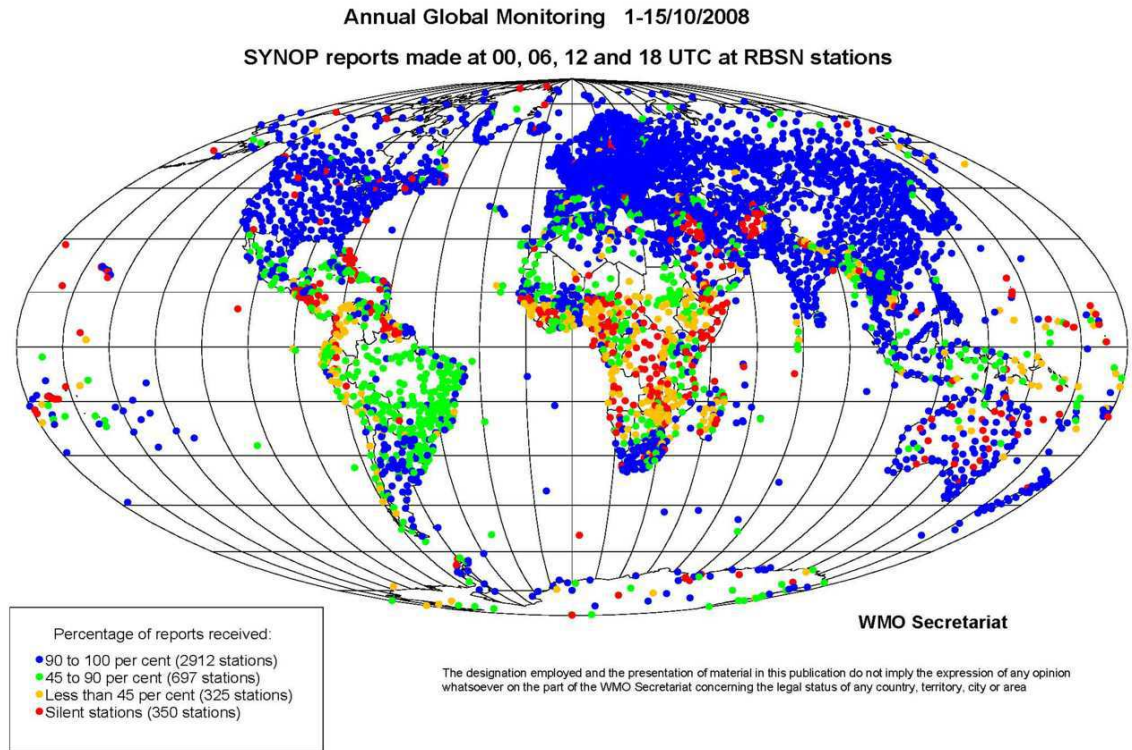




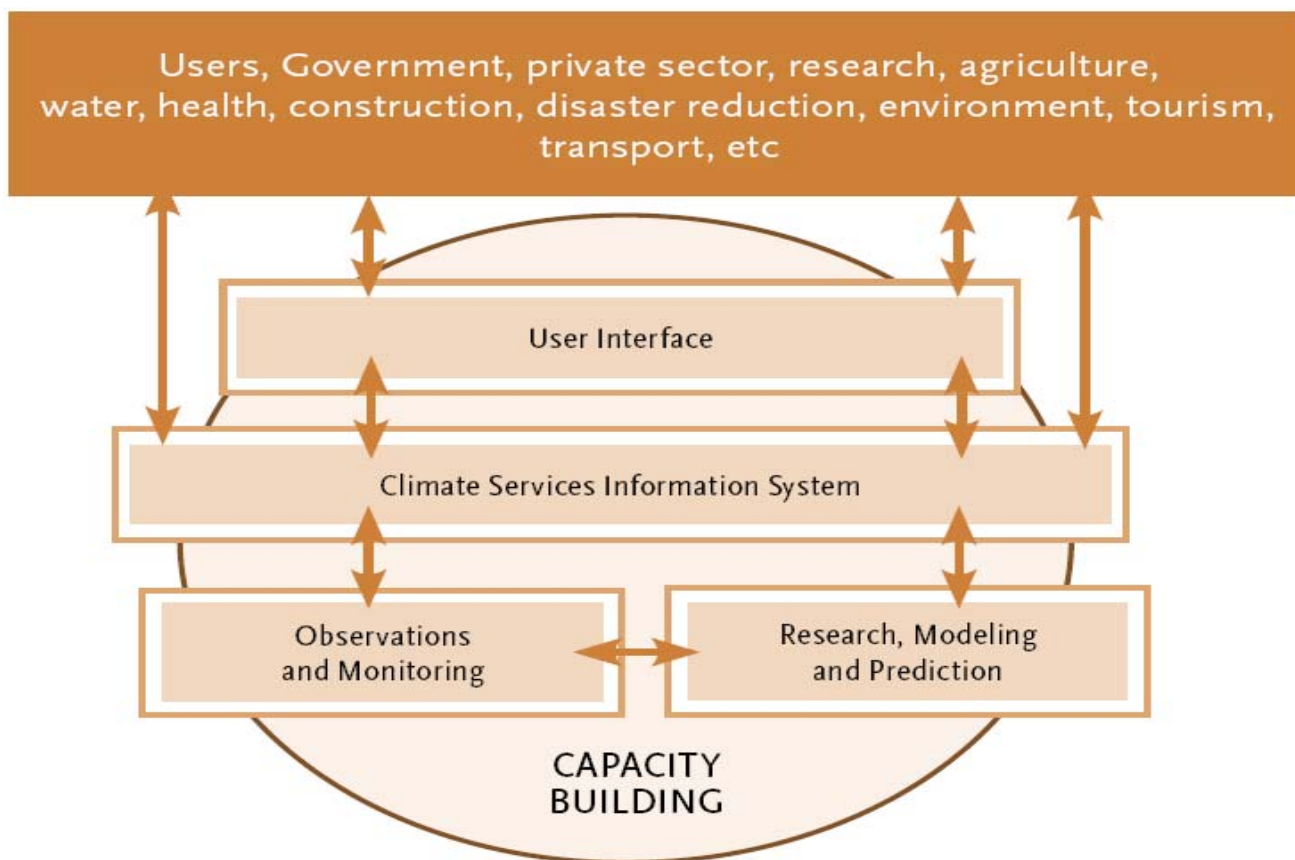
Observations, Adaptation, and the Global Framework for Climate Services

Observe to adapt

- > 1000 GCOS surface stations record long-term meteorological variables
- > 9000 rainfall stations used to provide homogenized gridded historic rainfall measurements
- > 200 hydrological stations document surface water availability



Coordinate to be prepared to adapt



The Goals

1. Reducing the vulnerability of society to climate-related hazards
2. Advancing the key global development goals
3. Mainstreaming the use of climate information in decision making
4. Strengthening the engagement of providers and users of climate services
5. Maximising the utility of existing climate service infrastructure

The Priority Areas

Agriculture



Water



Health



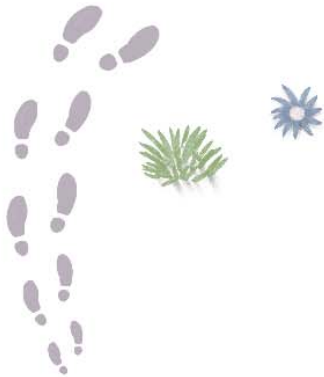
Disaster Risk Reduction



Next steps: GFCS 2013

Get it all set:
**Intergovernmental
Board Meeting
Geneva**
1-5 July 2013

Work with the users:
The Joint Project Offices



Act globally:
**The GFCS
Oversight Board**

Act on the ground:
**Pilot Projects
& Regional
Workshops**



**Improve the
knowledge base:**
**Revision of
fundamental
documents**



Associated Programme on Flood Management (APFM)



ASSOCIATED PROGRAMME ON
FLOOD MANAGEMENT

Compilation of guidance and advisory tools

Field Demonstration Projects

Strategic advice on flood management through a HelpDesk

Developing training and advocacy material

Capacity building

Building a network of institutions supporting multi-disciplinary approach



Mission

“to support countries in the integrated management of floods within the overall framework of Integrated Water Resources Management.”

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



Technical input

HelpDesk Support Base

institutes specialized in various disciplines relevant for IFM



Specialized institutes in various disciplines relevant for IFM



Contributing programmes to GFCS

Joint initiatives

between World Meteorological Organization and Global Water Partnership



Associated Programme on Flood Management (APFM)



Mission "to support countries in the integrated management of floods within the overall framework of Integrated Water Resources Management."

Founded in 2001

Contributions Japan, Switzerland, USAID
Germany, Italy

Integrated Drought Management Programme (IDMP)

Mission "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."

Founded in 2013

Contributions Canada



Field Demonstration Project in the Dniester Basin



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Meteorological
Organization
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Stakeholders

WMO through its Associated Programme on Flood Management (APFM), UNECE, Zoï Environment Network



UNECE
United Nations Economic Commission for Europe

Field Demonstration Project on Transboundary Flood Management in the Dniester Basin in Moldova and Ukraine

Status

WMO activities in the proposal phase (USAID funded)



Objectives

- I facilitate the modelling and mapping of extreme flood risks;
- II foster real-time exchange of data and information, transboundary flood forecasting and early warning;
- III promote and strengthen the use of flood information to enable the basin authorities and population to effectively respond to flood risks at different levels.



Map by UNE-PEGRID-Arendal and Zoï Environment, October 2010

