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

Work with the users:
The Joint Project Offices

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

Act globally:
The GFCS Oversight Board

Act on the ground:
Pilot Projects & Regional Workshops

Improve the knowledge base:
Revision of fundamental documents

GFCS
GLOBAL FRAMEWORK FOR CLIMATE SERVICES
Associated Programme on Flood Management (APFM)

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.”
Integrated Flood Management HelpDesk

**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

**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

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

**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.