



World Meteorological Organization

Weather • Climate • Water

# WMO, Second Meeting of the RA VI Hydrology forum, 24-26 September 2014, Warsaw

Working group climate and hydrology, WMO regional priorities in  
the implementation of the HWRP

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# Hydrology and Water Resources Programme (HWRP)

Main goals of HWRP: promote the effective use of hydrology to:

- integrated water resources management
- contribute to sustainable development,
- assist in risk reduction of water-related disasters;
- support effective environmental management at national, basin, regional and international levels

# Supported activities

HWRP supports Members' activities in:

- Monitoring the state of their countries' and of the world's freshwater resources;
- Measuring basic hydrological elements from networks of hydrological and meteorological stations;
- Collecting, processing, storing, retrieving and publishing hydrological data, including data on the quantity and quality of both surface water and groundwater;
- Providing data and information for use by planners and water managers;
- Managing water-related risks, particularly flood and drought management;
- Installing and operating hydrological forecasting systems; and
- Integrating meteorological and climatological information and forecasts into water resources management.

# Expected results of HWRP

Some expected Results : HWRP contributes to the achievement of:

- Enhanced capabilities of Members to provide better hydrological forecasts and assessments
- Enhanced capabilities of Members in multihazard early warning and disaster preparedness
- Enhanced capabilities of Members to provide and use weather, climate, water and environmental applications and services
- Broader use of weather, climate and water outputs for decision-making

# Structure of HWRP

- **Structure and governance of the Programme**
- The Commission for Hydrology (CHy) provides guidance and oversight for the implementation of the Programme,
- **Cross cutting activities and links with other WMO Programmes**
- **Regional aspects of activities and topics covered by the HWRP are implemented by the six Regional Associations of WMO.**

# **Vision of the WG Climate and Hydrology**

1. Contribution to WMO activities
2. Special focus of GFCS: climate and Hydrological services
3. Support of NHS: enhance capacities

# Development of activities

1. Where possible: joint activities Climate and Hydrology
2. Where needed: specific activities either climate or hydrology
3. Staying reasonable with amount of activities

# Work plan, overview

1. Regional Climate Centers and Regional Climate Outlook Forum (TT leader open)
2. Climate Watch System (Ernesto Rodriguez Camino, Spain)
3. Rapporteur on Agricultural Meteorology (J. Eitzinger, Austria)
4. Water Scarcity and Drought (Silvano Pecora, Italy & Sandor Szalai, Hungary)
5. Hydrological modeling, forecasting and warning (Cristina Eklund, Sweden)
6. Data operations & Management (Jose Antonio Guijarro, Spain) & Harry Dixon, UK), with a rapporteur on DARE



# Collaborations

- Other WG
- CHY
- NHS
- Hydro Forum

# Conclusions

- Added value from joint tasks
- Continuity and changes: New chairs, new tasks, new TT: adjustment time required
- Role of the forum:
  - ⇒ Requests
  - ⇐ Contributions of experts
  - ⇐ Specific tasks