

World Meteorological Organization Weather • Climate • Water

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Positioning of the RA VI Hydrological Community In Respect To decision makers and other expert and science communities

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## Actors and needs (1)

Partners and clients	Organisations	Services and products
Government	<ul> <li>Ministries managing NHS</li> <li>Other sectors of administration</li> </ul>	<ul> <li>Water resources information for policy making</li> <li>Disaster warning and management</li> <li>Large scale assessments (e.g. climate change)</li> <li>Case-specific expert assessment</li> <li>Contribution to the development of legislation</li> </ul>
Other authorities	<ul><li>National</li><li>Regional</li><li>Local</li></ul>	<ul> <li>Basic information on water resources</li> <li>Topical water resources information</li> <li>Forecasts, predictions and projections</li> <li>Disaster warning and management</li> <li>Case-specific data delivery and assessment</li> <li>Case-specific hydrometric measurements</li> </ul>

## Actors and needs (2)

Partners and clients	Organisations	Services and products
Industries and commerces	<ul> <li>Energy</li> <li>Water supply</li> <li>Water transport</li> <li>Industry production</li> <li>Consulting</li> <li>Agriculture and forestry</li> <li>Others</li> </ul>	<ul> <li>Basic information on water resources</li> <li>Topical water resources information</li> <li>Forecasts, predictions and projections</li> <li>Disaster warning and management</li> <li>Case-specific data delivery and assessment</li> <li>Case-specific hydrometric measurements</li> </ul>
Scientific community	<ul><li>Research institutes</li><li>Universities</li><li>Scientific associations</li></ul>	<ul> <li>Case-specific data delivery</li> <li>Joint research activities</li> <li>Methods development</li> </ul>

## Actors and needs (3)

Partners and clients	Organisations	Services and products
Media	<ul><li>Print media</li><li>Electronic media</li></ul>	<ul> <li>Topical water resources information</li> <li>Forecasts, predictions and warnings</li> <li>Popularisation of science</li> <li>Expert assessments</li> </ul>
Public	<ul><li>Organizations, associations</li><li>Private citizens</li></ul>	<ul> <li>Basic information on water resources</li> <li>Topical water resources information</li> <li>Forecasts, predictions and warnings</li> <li>Expert assessments</li> <li>Popularization of science</li> </ul>
International organizations	<ul> <li>European Union</li> <li>United Nations</li> <li>River commissions</li> <li>Non-governmental organizations</li> </ul>	<ul> <li>Contribution to development of legislation</li> <li>Reporting based on legislation and agreements</li> <li>Basic information on water resources</li> <li>Topical water resources information</li> <li>Forecasts, predictions and projections</li> <li>Disaster warning and management</li> <li>Expert assessment</li> </ul>

#### Strenghts and weaknesses of NHS: assessment required

All NHSs have both strengths and weaknesses related to their partnerships and services they should provide.

Necessary to assess the capabilities (infrastructures, tools and products) that a NHS has for the delivery of services, including:

- strong institutional status based on legislation
- competent personnal
- monitoring and **data collection systems** and supporting infrastructures
- hydrological forecasting and prediction systems
- warning systems
- geographical information systems
- historical databases
- tools for the distribution of data and information
- publications and guidance
- capabilities for expert assessment
- collaboration networks and agreements needed for external input for services.

#### Strenghts and weaknesses of NHS: possible results

#### A National Hydrological Service:

- 1. can offer good/satisfactory services to partners X, Y and Z
- 2. especially services A, B and C have developed well
- 3. clear shortages can be found in services to partners x, y and z
- 4. in these cases, NHS should develop especially services a, b, c...

# Conclusions

- 1. NHS have to be aware of needs of users
- 2. An assessment should help clarifying abilities of NHS
- 3. Added values and cost-benefit ratio have to be demonstrated

#### Conclusions



Flood awarness and population protection

