



Working Group 3: Users

❖ Overall question: What can we do to foster and nurture collaboration with users?

What are the main categories of users?

What is the role of the different users in HEPEX?

What are the major constraints that limit use of HEPEX science products?

How can users provide input on the delivery of hydrologic forecast products?

How can HEPEX interact with other international projects (e.g. TIGGE)?



What are the main categories of users?

❖ Flood Management

Reservoir and flood control

❖ Emergency management

❖ Recreational

❖ Value added services

Customization

Decision support

Legal (water law, litigation)

❖ Science

Weather/climate models

Academic / research

❖ Trainers / Educators

❖ Forecasters

❖ Environmental

Fisheries

Water quality

❖ Commerce

Power Generation

Navigation

Commodity Market

Insurance

❖ Water Supply

Agriculture

Municipal

❖ Data collection groups

❖ Qualitative /Quantitative use



What is the role of the different users in HEPEX?

❖ **Are Products and services meeting needs?**

Feedback loop (priorities)

Content and reliability

❖ **Training**

Users (use and interpretation)

Developers

❖ **Maintain open systems**

Make everything available

Stimulates participation

❖ **Test Beds (engage a broad spectrum of users)**

Show value added

Identify requirements



What are the major constraints that limit use of HEPEX science products?

- ❖ **Awareness**
- ❖ **Demonstrated value** (verification/validation)
- ❖ **Scale issues** (space and time)
- ❖ **Access to information** (formats, bandwidth, security, distribution)
- ❖ **Capacity building** (understanding)
- ❖ **Resources**
 - Data network and availability
 - IT infrastructure
- ❖ **Cultural**



How can users provide input on the delivery of hydrologic forecast products?

- ❖ **HEPEX user's committee**

- ❖ **Online interface**

 - Data, information, forum, software, ideas

 - Operational emulation

 - improvements over baseline



How can HEPEX interact with other international projects (e.g. TIGGE)?

❖ **Compound acronyms confuse USERS**



Testbed Attributes (User Focus)

❖ **Understand user's business model**

Involve selected stakeholders in the process
Identify potential products/services
Feedback to development

❖ **Verification/validation information**

Methodology
Values to users (key) in their units

❖ **Anticipated success**

❖ **Diverse customer base exists. Including some non-traditional ones. Forecasters are customers too.**