PEER REVIEW WORKSHOP ABOUT DATA MANAGEMENT

Topic 1: “Use of water information systems for planning, PoM implementation / monitoring, and decision support at basin national and European level”

Paul HAENER
International Office for Water
FRANCE
p.haener@oieau.fr
October 2016

Water data and information management particularly needed for

Sectorial water management
- Drinking water supply
- Irrigation
- Energy
- Health
- Transportation

Integrated Water sector planning
- Local level
- Basin level
- National level
- Transboundary basins
- Regional level

Climate change adaptation
- Disaster risk reduction
- Flood
- Shortage
- Drought

Reporting
- Global (ex. SDG) - Regional (ex. EU)
- National statistics
- Specific conventions

Specific decision taking
- Operational management
- Territory management
- Emergency situation

Other water sector activities
- Regulatory aspects
- Partners/Public information
Needs for data/information/knowledge

- Efficient IWRM requires to develop the production of information necessary to better guide water resource management decision making for planning, assessing the impact of development project, earmarked charges, ...

- Various levels of water management with various roles
  - National water resource planning
  - Basin Water resource planning
  - Local operational management (Province, district, municipal level, dams operation, ...)
  - Transboundary water management basins

- Different users of information with different needs in information for decision taking
  - Each one requires reliable, up-to-date and relevant information on different issues (regulations, planning, risk management and public information...)
  - Type of information to produce are different : level of aggregation, way of processing, giving access, presenting and are different
  - Type of necessary basic data are different

Existing situation related to data management

- Many topic to dealt with in the basin (hydropower, irrigation, mining, water supply and sanitation, flood management, ...)

- The necessary data to elaborate the requested information is produced/managed by various organizations

- Information is fragmented, incomplete dispersed and heterogeneous way

=> need efforts to rationalize and make this information readable, easily accessible and available in order to produce the expected information
Developing networks of data exchange between actors

Remind topic 1

- Topic 1: “Use of water information systems for planning, PoM implementation / monitoring, and decision support at basin national and European level”
  - Case studies of national or specific water information systems for planning, PoM implementation / monitoring, decision support and/or reporting
  - Case studies of links with WISE and/or Inspire Directive
  - Stage of development of national water information systems
Main components of water data management

Governance of water related data management

Data production → Shared and integrated data management → Data processing and valorization → Information/knowledge dissemination

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Presentations / illustrations

- Illustration 1: “Lessons learned from the development of Water Information System Sweden – today a daily used Decisions Support system”
- Illustration 2: “Management of coastal monitoring data and models in the Danish RBMPs”
- Other complementary illustrations on topic 1 (tbc)
- Niklas Holmgren – Competent Authority Of The South Baltic Water District – Sweden
- Harley Bundgaard Madsen - SVANA Denmark
“tour de table”

- Exchange on the situation in each country and open discussion

- “Some presentations/demo of information system available in your country or within your basin organization, for water data access, processing and or reporting would particularly be welcome.”

Some questions for guiding the exchanges

- How do you organise data management to respond to your need for RBMPlanning:
  - Preparation of the RBMP
  - PoM implementation follow up,
  - good status monitoring,
  - decision support
  - reporting
  - etc

- Issues? Difficulties?
- Solutions/good practices encountered?