

Task Team on Data Operations and Management

First Meeting of WMO RA-VI Working Group on Climate and Hydrology

Warsaw, Poland, 23 September 2014

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Goals - Working Group ToRs

- f) To coordinate with Members and relevant partners the climate and hydrology data rescue activities in the Region and the establishment of high-quality data management standards including the implementation of modern Climate Data Management Systems (CDMS);
- g) To support the regional implementation of hydrological data operations and management including the development of data collection networks;

No special comments from RAVI Management Group meeting (May 2015)





TT Activities – Hydrological Perspective

Activity/Delverable	2014/2	2015/1	2015/2	2016/1	2016/2	2017/1	Responsible	Priority	Status
Maintaining and improving the existing RA VI/CCI WebSite on Data Rescue, including information on available digitized data, data rescue projects, homogeneity methods, methodologies of data rescue, considering inclusion of info on hydrological data							Jose Antonio Guijarro & Harry Dixon		
Network design and optimization (with support from the Hydro Forum)							Jose Antonio Guijarro & Harry Dixon		
Support to standards development							Jose Antonio Guijarro & Harry Dixon		
Maintenance of monitoring systems							Jose Antonio Guijarro & Harry Dixon		
Harmonization of methodologies, quality control and access to data							Jose Antonio Guijarro & Harry Dixon		
Data exchange and sharing							Jose Antonio Guijarro & Harry Dixon		

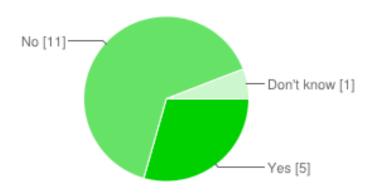




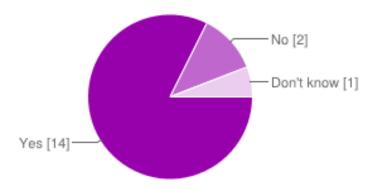
TT Activity – Data Management and Standards

- Builds on 2008-2011 WG-Hydrology activities by Zsuzsanna Buzás.
- 2012 RA-VI Hydrology Forum priority. Survey of Forum Members needs completed:
 - NHSs using similar data processing methods and facing similar challenges
 - Few national standards exist. WMO guidelines are helpful but full standards would be useful.
- UK Standard currently in revision. Proposed
 CEN Work Item to develop European Standard.
 - ISO/WMO agreement.
- Link with CHy tasks in QMF and Data Management and Operations areas.
- Possible activity to review current standards and support development of CEN standard.

National Standards in RAVI



Would an international standard on hydrometric data management be beneficial to your organization?



TT Activity – Data Management and Knowledge Exchange

- Hydrology Forum provides a good way of exchanging knowledge but need to improve regular exchange of knowledge.
- Survey of Forum Members:
 - Few formal training programme exist for hydrological data management.
 - Most training is informal, 'on the job', internal to each NHS.
 - Problems: lack of qualified staff, transfer of knowledge when staff change, etc...
- Can RAVI help develop knowledge exchange routes for sharing skills/best practice in the region?
- Possible activities:
 - Online WMO e-forum
 - WMO training workshops
 - Personnel exchange





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TT Activities - Other

Network Design and Optimisation

2012-14 Hydrology Forum Task – Case Studies on Network Design.

Data Exchange and Sharing

- 2012-14 Hydrology Forum Task *Improved data sharing procedures between NHSs and data centres.*
- Other relevant RA-VI activity: Data Exchange Policy for Sava River Basin (2014)
- RA-VI activities in this area should be strongly linked with CHy activities in Data Operations and Management area (especially WaterML testing / pilots).

Maintenance of Monitoring Systems

- 2012-14 Hydrology Forum Task *Review of Operational Maintenance and Safety Procedures*.
- Further deliverable in these areas depend on the progress/outcomes of the Hydrology Forum.

TT Activities – Hydrological Priorities

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VI/CCI WebSite on Data Rescue, including							Guijarro &		
information on available digitized data, data							Harry Dixon		
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inclusion of info on hydrological data									
Network design and optimization (with							Jose Antonio		
support from the Hydro Forum)							Guijarro &	С	
							Harry Dixon		
Support to standards development							Jose Antonio		
							Guijarro &	Α	
							Harry Dixon		
Maintenance of monitoring systems							Jose Antonio		
							Guijarro &	C	
							Harry Dixon		
Harmonization of methodologies, quality							Jose Antonio		
control and access to data							Guijarro &	Α	
							Harry Dixon		
Data exchange and sharing							Jose Antonio		
							Guijarro &	В	
							Harry Dixon		





Possible TT Members - Hydrology

Regional Hydrology Forum Members are key resource for delivering these
 WG tasks.

Nominations for WG:

- Czech Republic: Jan Danhelka
- Spain: Maria Conception Garcia Gomez

OPACHE:

- Romania: Ionel Ghinescu
- Germany: Ulrich Looser
- Germany: Michael Natschke
- Bulgaria: Plamen Lliev Ninov
- Italy: Silvano Pecora







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