

WMO RAVI  
Hydrology Forum 20-23 Sept 2016

NVE, Oslo, Norway

Hydrological modeling, forecasting and warning

Cristina A. Eklund

## **MAIN ACTIVITY**

Organize a regional Workshop on hydrologic modeling, forecasting and warning services, back to back with the Hydrological Forum

- Delivery from the TT HMFV

**Session1: "Hydrological forecasting, warning and communication with end-users"**

**Session 2: "Remote Sensing and Hydrological Modelling, Forecasting and Warning"**

**Session 3: "Flash Floods and Urban Floods"**

## **RAVI Working Group on Climate and Hydrology, 6 TT**

- ✓ **Task Team on Hydrological modeling, forecasting and warning (TT HMFV)**

## **MEMBERS of the TT HMFV**

- Cristina A. Eklund (Sweden)/Eric Sprokkereef (The Netherlands), TT Leader
- Emmanuel Roulin (Belgium)
- Tomas Vlasak (Czech Republic)
- Amir Givati (Israel)
- Jon Skoien (JRC)
- Hervé Colleuille (Norway)
- Michal Kasina (Poland)
- Dejan Komatina (Sava River Commission)
- Slobodan Nickovik (Serbia)
- Maria Conception Garcia Gomez (Spain)
- Ayhan Sayin (*WMO, Focal Point of the Regional Centre for Black Sea, Middle East and South Eastern Europe Flash Flood Guidance System*)

## **TT HMFV**

### **BACKGROUND**

Recommendations from the previous TT on Flood Forecasting and Warnings, RAVI WG CH (Intersessional period 2010- 2013):

- Re-establish the TT with clearly define tasks and deliverables;
- Establish the working relationship with EFAS for the benefit of RAVI Members;
- Tighten the links with relevant bodies and actions within WMO

## TT HMFV

### Goals

- Liaise with the European Commission's actions in the field of hydrological modelling, forecasting and early warning
- Liaise with the WMO Commission for Hydrology and its activities
- Enhance the using of hydrological probabilities forecasts and early warning systems for improved flood preparedness/management

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**TT HMFV****TERMS OF REFERENCES (2014-2017)**

1. Follow up of, coordination with and support to, EFAS and FFGS as well as other WMO-CHY and EC related activities.
2. *Organize, back to back with the next Hydrological Forum, a RA VI Workshop on hydrologic modeling, forecasting and warning services.*
3. Identify and follow up the relevant project/activities in RA VI (with focus on trans boundary hydrological modelling) and disseminate the outcomes to the RA VI Members.
4. Follow up the development of the WMO FFI proposal for a Framework for the assessment of service Delivery capabilities of hydrological services.
5. Introduction of the Framework to the RA VI community and collection of the RA VI Members' feedback.
6. Provide annual progress reports in due time before the end of the year and a final report as soon as the tasks are implemented but not later than 6 months before the next session.

## TT HMFV

### Achievements (1)

- Heterogeneous composition of the TT with representatives/experts from NMHSs, International River Commissions (Rhine, Sava), EC/JRC (EFAS), WMO (FFGS)
- WMO was invited and participated in the EFAS Annual Partner Meeting 2016 (held at EFAS Hydrological Data Collection Center in Sevilla, Spain)
- Follow up CHy activities; Cristina is member of the Flood Forecasting Initiative Advisory Group (FFI-AG)
- *Organize the Workshop on Hydrological modeling, forecasting and warnings, 20 Sept 2016, back-to-back with the RAVI Hydrological Forum 2016*



## TT HMFV

### Achievements (2)

#### Documents

- Transboundary hydrological modeling: relevant projects and activities.  
Prepared by Mr. Dejan Komatina (ISRBC) with input from other RBC
- Relevant facts ISRBC;  
Prepared by Mr. Dejan Komatina (ISRBC)
- Proposal : Best practices on use of probabilistic forecasts  
Prepared by RWS/Deltares (Eric Sprokkereef, Jan Verkade)

## **TT HMFV**

3 WebEx meetings:

- 16-09-2016
- 21-01-2016
- 03-03-2015