

# Task 1 Items

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WMO OMM

World Meteorological Organization

Organisation météorologique mondiale

# Work Plan (2016-2019)

- **Preamble:**

- The WMO Flood Forecasting Initiative (FFI) is a framework to promote the enhancement of flood forecasting capabilities of National Meteorological and Hydrological Services (NMHSs).

- **Task 1 –Items**

- *by ensuring that all major demonstration projects and components, including but not limited to CIFDP, SWFDP, FFGS, include the requirements/best practices for effective and sustainable flood forecasting in their design and implementation.*



# Task 1 –Items

1. President and members of the FFI-AG to report on progress and collaborative actions to appropriate bodies on FFI-AG advice **done**
2. FFI-AG to advise CHy on continuing the efforts associated with assessing efficiency (effectiveness) of service delivery capabilities of hydrological services (link to existing report Nov 2013) including the quality of data and maintenance of observation networks – H. Lins by 3rd Session of the CHy Advisory Working Group (AWG-3) (Feb 2016 **done**)
3. Advise the President of CHy that the Vice-Chair of the CIFDP Steering Committee be taken from CHy – **accomplished December 2015**
4. Take similar action for the SWFDP (President CHy to coordinate with President CBS on CHy representation on the SWFDP Steering Group) – H. Lins by end Jan 2016 - **done**

# Task 1 –Items 1 and 2

- CHy 15 was held in December 2016
- Resolution 6 (CHy-15)
  - **THE FLOOD FORECASTING INITIATIVE AND THE CONTRIBUTION OF THE COMMISSION FOR HYDROLOGY TO THE DISASTER RISK MANAGEMENT PROGRAMME**
  - **Decides** to reaffirm its support to the continued implementation of the Flood Forecasting Initiative in accordance with its Strategy and Action Plan, the recommendations of FFI-AG-2 to strengthen the focus of the FFI on activities associated with short- to medium-term forecasting and the FFI-AG Work Plan 2016-2019



# Task 1 –Items 1 and 2

- **Requests** the president of CHy, with the assistance of the appropriate members of the AWG and OPACHE experts:

(1) To ensure that CHy continues to contribute actively to the Disaster Risk Management activities of WMO while promoting the principles of integrated flood management and integrated drought management and increasing the visibility of other hydrological contributions such as the promotion of E2E EWS for flood forecasting;

# Task 1 –Items 1 and 2

(2) To coordinate with the president of JCOMM a joint assessment of the initial phase of CIFDP and, depending on its results, to consider the desirability of developing a governance structure and procedures that would transition the CIFDP to a more sustainable platform for the strengthening of national multi-hazard early warning systems to address flooding in coastal areas; - **CHy and JCOMM agreed on the way forward and discussions are undergoing with potential donors for the review in 2018 (possibly C. Barrett to be financed by USAID; second reviewer – oceanographer – still to be identified)**

# Task 1 –Items 1 and 2

(3) To include under the Focus Area “Hydrological Applications, Products and Services”, an activity consisting in investigating the applicability and advantages of new protocols, such as the [Common Alerting Protocol \(CAP\)](#), in public alerting for hydrological hazards. – Jan Danhelka (AWG Member) mandated for this task. Questionnaire to be circulated in early 2018 to the different countries. GMAS (or GHMAS or GMAHS) is a related activity

# Task 1 –Items 1 and 2

- Resolution 8 (CHy-15)
  - **DEVELOPMENT OF A PILOT WMO GLOBAL HYDROLOGICAL STATUS AND OUTLOOK SYSTEM**
  - **Decides:**
    - (1) To initiate the WMO Global Hydrological Status and Outlook system;
    - (2) To approve the formation of an expert Task Team to oversee the Pilot Phase of the initiative and report to CHy-16 on the findings; - **being formed**



# Task 1 –Items 1 and 2

- Resolution 9 (CHy-15)
  - **CAPACITY-BUILDING IN HYDROLOGY AND WATER RESOURCES MANAGEMENT**
- **Requests** the Advisory Working Group and the Secretariat to consider developing open-source and **community of practice solutions** to promote the transfer of technology for the value chain of the most important products and services of the National Hydrological Services;



# Task 1 –Items 1 and 2

- Resolution 10 (CHy-15)
  - **WORK PROGRAMME AND STRUCTURE OF THE COMMISSION FOR HYDROLOGY**
  - **Decides:**
    - (1) To adopt the programme of work contained in Annex 1 to the present resolution;

# Task 1 –Items 1 and 2

- Annex 1 to Resolution 10 (CHy-15)
  - **FUTURE PROGRAMME OF WORK FOR CHY**
  - **Developed 3 Focus Areas**
  - **Focus Area (3): Hydrological Applications, Products and Services**

# Task 1 –Items 1 and 2

## Focus Area 3 (e)

- **Implementation Strategy for the End-to-End Early Warning Systems (E2E EWS) for flood forecasting (using the Community of Practice approach):**
  - develop assessment guidelines for NHSs to evaluate their E2E EWS for flood forecasting, furthering the earlier work on “Efficiency of flood forecasting services” (including testing developed procedures) possibly through the establishment of a Task Team/Working Group,
  - consistent with the FFI-AG Work Plan of 2016–2019, develop access to the interoperable technologies including platforms and models for use in flood forecasting;
  - provide access to training and guidance material, in conjunction with item 1.4(g), on the aforementioned items;
  - and assist in the development of projects;



# Task 1 –Items 1 and 2

## Focus Area 3 (a)

- **APFM:**

- work with APFM on provision of guidance and training material on E2E EWSs for Flood Forecasting through the IFM HelpDesk, and other topics such as preparation of guidelines on how to formulate numerical weather prediction information for use in flood forecasting, consistent with the FFI-AG Work Plan of 2016–2019.

# Task 1 –Items 1 and 2

## Focus Area 3 (f)

- **FFI:**
  - ensure that all major projects under FFI (CIFDP, FFGS, SWFDP) include the requirements and reflect best practices for effective and sustainable flood forecasting, including urban areas, consistent with the FFI-AG Work Plan of 2016–2019.
  - Co-chair the Project Steering Group (PSG) of CIFDP, participate in CIFDP sub-projects, coordinate closely with OPACHE member(s) participating in CIFDP and similarly contribute to the SWFDP and other projects/activities, ensuring improved flood forecasting early warning systems;



- Resolution 7 (CHy-15)
  - **CONTRIBUTION OF THE COMMISSION FOR HYDROLOGY TO THE FUTURE INTEGRATED AND SEAMLESS WMO DATA-PROCESSING AND FORECASTING SYSTEM**
- **Decides**
  - to actively contribute to the development and implementation of a seamless Data processing and Forecasting System and to include these tasks accordingly in its future workplan and activities;



# Task 1 –Items 3 and 4

- Task 3 (CIFDP)
  - Vice-Chair of the CIFDP Steering Committee was appointed: Yuri Simonov
  - Graeme Smart appointed member of the CIFDP Steering Committee
  - More later on CIFDP from JCOMM...
- Task 4 (SWFDP)
  - Presidents of CHy and CBS discussed coordination
  - Close collaboration without need of CHy expert on SWFDP Project Steering Group
  - More later on SWFDP from CBS...





# Thank you Merci



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