



World Meteorological Organization

Weather • Climate • Water

FFI-AG Second Meeting  
Geneva, 1-3 December 2015

# Inventory of existing International Programmes related to FFI

Climate and Water Department, WMO

## Activity 5 review the relationship of the WMO FFI with other relevant international programmes...

...particularly from the point of view of coordination and avoidance of overlap, and propose any necessary actions

- **Task a)** WMO Secretariat to **prepare an inventory** (name, brief description, current role of FFI) **of the existing international programme** (WMO and non-WMO) and highlight coordination/interaction mechanism, providing recommendations to the FFI-AG on the improvements to those mechanisms. Draft recommendations to be considered by the FFI-AG
- Deadline: 2013
- First question: what is an **international programme**?



# Inventory of the existing international programmes (WMO and non-WMO)

- Published online (<http://www.wmo.int/pages/prog/hwrp/flood/documents/WMO-FFI-2013-2016.pdf>)
- Includes 5 programmes (2 WMO and 3 non-WMO):
  - WMO Regional Programme and Technical Cooperation Programme
  - WMO Disaster Risk Reduction Programme
  - UNESCO International Flooding Initiative for Latin-America and the Caribbean (IFILAC)
  - World Bank
  - Global Flood Partnership

## Work plan 2013 – 2016

### Activity 3: Review and assess the progress of specific WMO FFI projects

List of completed and on-going components and projects:

1. Central-American Flash Flood Guidance System  
[http://www.hrc-lab.org/projects/dsp\\_projectDetail.php?id=168](http://www.hrc-lab.org/projects/dsp_projectDetail.php?id=168)
2. Flash Flood Guidance System for Haiti and Dominican Republic  
[http://www.hrc-lab.org/right\\_nav\\_widgets/haiti\\_hurricane/index.php](http://www.hrc-lab.org/right_nav_widgets/haiti_hurricane/index.php)
3. Early Warning System for the City of Medellin (Colombia)  
<https://sites.google.com/a/prohimet.org/proyecto-piloto-prohimet-colombia/>
4. Early Warning System for the City of Durazno, Yi River (Uruguay)  
<https://sites.google.com/a/prohimet.org/proyecto-prohimet-yi/>
5. Flood Forecasting and Warning Sarapiquí River (Costa Rica)  
[http://www.wmo.int/pages/prog/drr/projects/CostaRica/CostaRica\\_en.html](http://www.wmo.int/pages/prog/drr/projects/CostaRica/CostaRica_en.html)
6. Flood Forecasting and Early Warning Zambezi River (Southern Africa)  
<http://www.wmo.int/pages/prog/hwrp/FloodForecastingZambezi.php>

### Activity 5: Review the relationship of the WMO FFI with other relevant international programmes, particularly from the point of view of coordination and avoidance of overlap, and propose any necessary actions

Inventory of the existing international programmes (WMO and non WMO):

1. **WMO Regional Programme and WMO Technical Cooperation Programme**

These two programmes have developed a project document for Haiti on flood forecasting for flood prevention. This document was not consulted with the FFI. The HWRP Secretariat was requested to inform why some automatic weather stations were blocked in the customs of Haiti.

It is recommended that projects related to flood forecasting be sent for technical back stopping to the FFI Secretariat. It is obvious that if the objective of the above-mentioned project in Haiti is achieved, namely flood prevention, then there is no need to forecast floods.

In relation to the automatic weather stations, they were not link to any activity related to the FFI or any other HWRP activity.



## Inventory of the existing international programmes (WMO):

- 1. WMO Regional Programme and WMO Technical Cooperation Programme:** These two programmes have developed a project document for Haiti on flood forecasting for flood prevention. This document was not consulted with the FFI. The HWRP Secretariat was requested to inform why some automatic weather stations were blocked in the customs of Haiti. It is recommended that projects related to flood forecasting be sent for technical back stopping to the FFI Secretariat. It is obvious that if the objective of the above-mentioned project in Haiti is achieved, namely flood prevention, then there is no need to forecast floods. In relation to the automatic weather stations, they were not link to any activity related to the FFI or any other HWRP activity.
- 2. WMO Disaster Risk Reduction Programme:** This programme developed the Flood Forecasting and Warning System for the river Sarapiqui. The meeting of the DRR focal points of commissions discussed this system. In this meeting participated the two CHy focal points, J. Maina and Y. Simonov.



## Inventory of the existing international programmes (non-WMO):

- **UNESCO International Flooding Initiative for Latin-America and the Caribbean (IFILAC)** There is some overlap between the WMO FFI and this other initiative. IFILAC is not including in reality any activity in the Caribbean and only experts from Spanish speaking countries of Latin-America are participating. [...] It is recommended to discuss this topic with UNESCO in the next session of the UNESCO/WMO liaison committee. [...] The chairman of the IHP Council is an AWG ex-officio member.
- **World Bank** The World Bank has been promoting “Flood Prevention”. There are two links between this activity of the World Bank and the FFI. One is technical: no need of forecasting floods if they are prevented. The other one is related to the fact that some members of PROHIMET are working in this World Bank activity. It is recommended to express our concern to the Bank and try to redirect the World Bank to do useful work in relation to floods (flood forecasting and warning)
- **Global Partnership on Floods** To be completed



## Other initiatives - WMO

- Associated Programme on Flood Management (APFM)
- Flash Flood Guidance System (FFGS)
- Coastal Inundation Forecasting Demonstration Project (CIFDP)
- Coupled Hydrology Atmospheric Modeling and Prediction (CHAMP)
- Severe Weather Forecasting Demonstration Project (SWFDP)
- Hydrological Information Referral Service (INFOHYDRO)
- WMO/UNISDR IPA for the Balkans
- WMO Typhoon Committee



## Other initiatives – non WMO (but with some interaction)

- **International Flood Initiative (IFI)** - new strategy drafted and circulated recently by ICHARM
- **World Bank** survey of national capabilities in Flood forecasting (linked to the WMO Hydrological Observing System – WHOS)
- **World Bank** involved in various WMO meetings such as the first FFGS Steering Committee meeting (and this meeting)
- **UNDP** active in the field of flood forecasting and management in Georgia (and Southern Africa)
- **Other donors** (Canada, USAID, EU, DFID, etc.) involved in activities with WMO Department of Regional Affairs (DRA) and Resource Mobilization and Development Partnerships (RMDP) Office
- **Global Water Partnership (GWP)** involved in the APFM and IDMP, where it organizes drought monitoring and forecasts



# European Union's Research and Innovation funding programme (EU-FP7)

- **PEARL (Preparing for Extreme And Rare events in coastal regions)**
  - One component of the project is to develop new methods for flood forecast and real-time data assimilation for early warning.
- **RISC-KIT**
  - Enhancement of early warning and scenario evaluation capabilities for hot spots
- **WeSenseIt**
  - Development of citizen observatories of water and flooding, including cooperation for forecasting
- **Contributions to European and Global Flood Awareness Systems (EFAS, GloFAS) and Global Flood Detection System (GFDS)**
  - Active also in Africa and other parts of the world

