



# Final Report

2013 (1<sup>st</sup>) Coordination Meeting of Disaster Risk Reduction Focal Points of  
Technical Commissions and Programmes

14-16 October 2013  
WMO Headquarters  
Geneva, Switzerland

Webpage:

[http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-10-TC-Prog-FP-Meeting/index\\_en.html](http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-10-TC-Prog-FP-Meeting/index_en.html)

20 January 2014

## Background

Throughout history society has faced rising risks from natural hazards and the natural variations in climate. Today, we face additional challenges from human-induced climate change. As the analysis of historical loss and damage data show, on average, more than 226 million people globally are affected by disasters associated with natural hazards every year.<sup>1</sup> These include both geo-physical events (e.g. earthquakes, tsunamis, volcanoes) and hydro-meteorological events (e.g. floods, cyclones, droughts). Weather-related disasters comprise about 88 per cent of all events, causing 72 per cent of all economic losses and 36 per cent of fatalities. The impacts of climate change also further exacerbate disaster risks, for example through the changing characteristic of the weather-, water-, and climate-related hazards (e.g., Tropical cyclones and storm surges, severe weather, floods, droughts, heat and cold waves, land and mud slides).<sup>2,3</sup>

The Hyogo Framework for Action (2005-2015) was conceived to bring focus and direction to the field of disaster risk reduction, shifting the paradigm from post disaster relief and response to “build the resilience of nations and communities to disasters.” The adoption of the HFA by 168 countries, at the World Conference on Disaster Risk Reduction (Kobe, Hyogo, Japan January 2005), has led to improved coordination and cooperation among the international scientific and technical, development, humanitarian and financial institutions to leverage capacities and resources towards supporting the Member States with their development of their risk reduction capacities. The second priority area of HFA is “to identify, assess and monitor disaster risks and enhance early warning.” The starting point for reducing disaster risk and for promoting a culture of disaster resilience lies in the knowledge of the hazards and the physical, social, economic and environmental vulnerabilities to disasters that most societies face, and of the ways in which hazards, exposures and vulnerabilities are changing in the short and long term.

While significant progress has been made in developing capacities at the national level to build resilience to disaster, there is still much work to be done to strengthen national capacities in areas such as multi-hazard and multi-sector risk assessment and early warning systems as discussed at the Fourth Global Platform of Disaster Risk Reduction (GPDRR-IV) and summarized in a number of international reports.<sup>4</sup>

With a deep commitment to disaster risk reduction, WMO has invested significantly in developing the National Meteorological and Hydrological Services' (NMHS') capacities in delivery of timely and high quality meteorological, hydrological and climate services for a number of applications in disaster risk reduction to be implemented through the crosscutting Disaster Risk Reduction (DRR) Programme. Annex I illustrates major milestones of the WMO in addressing disaster risk reduction since 2011, and prospects to the next coming years (2014-2015). Underpinned by the HFA, the WMO DRR Work Plan (2012-2015) are major milestones providing an overarching service-oriented framework for strengthening of the NMHS, leveraging contributions of WMO Technical Commission (TCs) and Technical Programmes (TPs), Regional Associations (RAs), Members, and their globally coordinated operational infrastructures and mechanisms. These capacities have been complemented by developing strategic partnerships with other scientific and technical, development and humanitarian agencies and the private sector to establish DRR User-Interface Expert Advisory Groups, for key thematic areas, to provide access to leading experts from the user

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1 EM-DAT: The OFDA/CRED International Disaster Database - Université Catholique de Louvain - Brussels – Belgium

2 “CLIMATE CHANGE AND DISASTER RISK REDUCTION,” A Joint paper coordinated by UN-ISDR with 29 UN and International Agencies (2013)

3 Intergovernmental Panel on Climate Change (IPCC), Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation, 2012. Summary for Policymakers available here: <http://ipcc-wg2.gov/SREX/report/>

4 Synthesis report on 2012 consultations on the post-2015 framework on disaster risk reduction (HFA2):  
<http://www.preventionweb.net/english/professional/publications/v.php?id=32535>

Chair's Summary: Resilient People, Resilient Planet Fourth Session of the Global Platform for Disaster Risk Reduction (Geneva, 21-23 May 2013):  
[http://www.preventionweb.net/files/33306\\_finalchairsummaryoffourthsessionof.pdf](http://www.preventionweb.net/files/33306_finalchairsummaryoffourthsessionof.pdf)

community for the implementation of the DRR Work Plan (2012-2015).<sup>5</sup> A list of the Deliverables of the DRR Work Plan (2012-2014) is provided in Annex II.

The 64th Session of the Executive Council (EC-64) urged the presidents of the TCs to identify concrete intra- and inter-commission collaborations to support the implementation of the DRR Work Plan and stressed that:

*“...technical assistance projects, namely, the Severe Weather Forecasting Demonstration Project (SWFDP), Flash Flood Guidance (FFG) systems and Coastal Inundation Forecasting Demonstration Project (CIFDP), Integrated Drought Management Programme), WMO Flood Forecasting, the WMO Emergency Response Activities (ERA) as well as further development of the Global Data-Processing and Forecasting System (GDPFS), WMO Integrated Global Observing Systems (WIGOS) and WMO Information System (WIS) are critical in supporting disaster risk reduction in a number of regions around the world. However, it stressed the need to ensure coordination across these activities, as relevant, and development of operational requirements that are underpinned by user needs in the context of national DRR institutional frameworks for DRR and early warning systems. The Council was encouraged by efforts to integrate these technical assistance activities along with further development of the core systems in the existing coordinated DRR national/regional projects in the Caribbean, Southeast Europe and Southeast Asia, ” in which represent the regions in which the coordinated DRR and climate adaptation projects are being implemented.”*

Furthermore, the 65<sup>th</sup> session of the Executive Council urged the presidents of technical commissions to engage actively with the DRR user-interface mechanisms.

A network of DRR Focal Points of the TCs and TPs (DRR FP TC – TP) has been created through nominations by the Presidents of TCs and relevant coordinating mechanisms of other TPs and inter-commission activities. Annex III provides the list of members of the DRR FP TC –TP. Terms of Reference (TOR) of this group are to be developed following consultations with the DRR Focal Points, Management Groups and presidents of TCs and TPs. The outcomes of these discussions will be submitted to EC-66 for consideration. A schedule of upcoming meetings of WMO constituent body for such consultations is in provided Annex IV.

A critical deliverable of the DRR Work Plan (2012-2015) addresses the second strategic area of the WMO DRR Programme for development of guidelines for hazard definition and standards for monitoring and detection, databases and metadata and hazard analysis to support risk assessment and forecasting tools, for weather-, climate- and hydrological hazards, building on the extensive work of the WMO technical commissions, a number of Members and key partners. As part of the preparatory work to undertake this initiative, WMO hosted, the “First Technical Workshop on Standards for Hazard Monitoring, Databases, Metadata and Analysis Techniques to Support Risk Assessment,” in WMO Headquarters, Geneva, Switzerland from 10 to 14 June 2013 (Hereafter referred to as the *WMO June 2013 hazard Workshop*), engaging the DRR FR TC-TP. Recommendations of this workshop are provided in Annex V.<sup>6</sup>

Following these developments, the First Coordination Meeting of Disaster Risk Reduction Focal Points of Technical Commissions And Programme (DRR FP TC- TP 2013) was held on 14-16 October 2013, as a critical milestone towards systematic engagement of the TCs and TPs with the implementation of the DRR Work Plan.<sup>7</sup>

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5 Sixteenth World Meteorological Congress (Congress-16) in 2011 approved DRR Programme strategic priorities derived from Hyogo Framework for Action 2005-2015, WMO DRR Survey 2006 and extensive consultations with Members, Regional Associations and partners in DRR. Sixty fourth Session of the Executive Council (EC-64), adopted the WMO DRR Work Plan 2012-2015 and supported the establishment of WMO DRR Programme User-Interface Expert Advisory Groups (UI-EAGs). EC-65 approved the role and terms of reference of the DRR UI-EAGs.

6 [http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-04-TechWks/index\\_en.html](http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-04-TechWks/index_en.html)

7 [http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-10-TC-Prog-FP-Meeting/index\\_en.html](http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-10-TC-Prog-FP-Meeting/index_en.html)

## About the 2013 Meeting of the DRR FP TC-TP

The First meeting of the Disaster Risk Reduction Focal Points of the Technical Commissions and Technical Programmes (DRR FP TC-TP) was held on 14-16 October, at the WMO HQ in Geneva, Switzerland. The list of participants, the agenda, goals and expected outcomes of the meeting are provided in Annexes VI, VII, and VIII respectively. The meeting was co-chaired by Kevin Horsburgh – DRR Focal Point of JCOMM and Michel Jean-DRR Focal Point of CBS.

In **Session 1**, following the welcome address and introductions, the secretariat delivered a presentation on the Milestones of the DRR Programme, the DRR Work plan 2012-2015 DRR Programme's governance, User Interface Expert Advisory Groups (DRR UI-EAGs), thematic priorities and related deliverables.

In **Session 2**, the co-chairs presented the draft Terms of Reference of the DRR FP TC-TP and established a drafting team to review and revise the draft for consideration by the group during Session 5 of the meeting. The WMO Secretariat presented on the role of WMO as an agency accredited by International Standards Organization (ISO) to develop international standards and WMO approach in development of guidelines, recommended practices, and standards particularly with respect to the role of Technical Commissions. Experts from the risk analysis community presented on the critical need for guidelines for hazard definitions and standards for monitoring, detection, databases and hazard mapping techniques for collection of loss and damage data and supporting risk analysis. The Co-chairs presented the recommendations of the WMO June 2013 Hazard Workshop, as some of the DRR FPs of TCs and TPs had not been designated by then.

In **Session 3**, the DRR FPs presented and discussed the background papers they had prepared on their respective TC's or TP's specific activities and projects that could be leveraged for the implementation of the DRR Work Plan 2012-2015. In this session, DRR FP TC-TP discussed the mandates and relevant activities of WMO TCs and TPs for development of guidelines, manuals and standards for monitoring, detection, development of databases, metadata and hazard analysis to support risk assessment as well as multi-hazard early warning systems. In this regard, the relevance of a number of technical assistance projects and activities including, TCP, SWFDP, CIFDP, FFG, ERA, WIGOS, WIS and GDPFS, particularly stressing the development of Regional Climate Centers (RCCs) and Regional Climate Outlook Forums (RCOFs) were highlighted. In addition, WWRP-TIGGE and the WCRP legacy projects on intra-seasonal and seasonal timeframes were noted as highly relevant to the implementation of the DRR Work Plan. Finally, activities of CAgM particularly related to MILAC, efforts to develop drought indices for different types of droughts, and the Integrated Drought Management Programme were noted.

In **Sessions 4 and 5**, the DRR FP TC-TPs developed priorities of action, recommendations and related road map for inter-commission activities to support the implementation of the DRR Work Plan building on the TC and TPs exiting activities, and projects.

In **Session 6**, the DRR FP TC-TP finalized its draft TOR for further consultation with the TCs and TPs for subsequent consultation with the respective TC management Groups and TP management Structures, prior to the upcoming 2014 president of technical Commission (PTC) Meeting, which will discuss and consider them. The outcomes of the PTC-2014 meeting on this issue will be submitted to EC-66 for consideration. and adoption. During this session the Secretariat also informed the meeting of the upcoming major international conference on "Understanding Risk, 30 June – 4 July, 2014." The meeting provided recommendations for WMO engagement in this event. Finally the meeting discussed considerations for the establishment of the DRR Expert Advisory Group on Hazard/Risk Analysis and determined the dates of its next meeting in 2014.

## Recommendations of the 2013 Meeting of DRR FP TC – TP

Following discussions and deliberations, the DRR FP TC-TP recommended that:

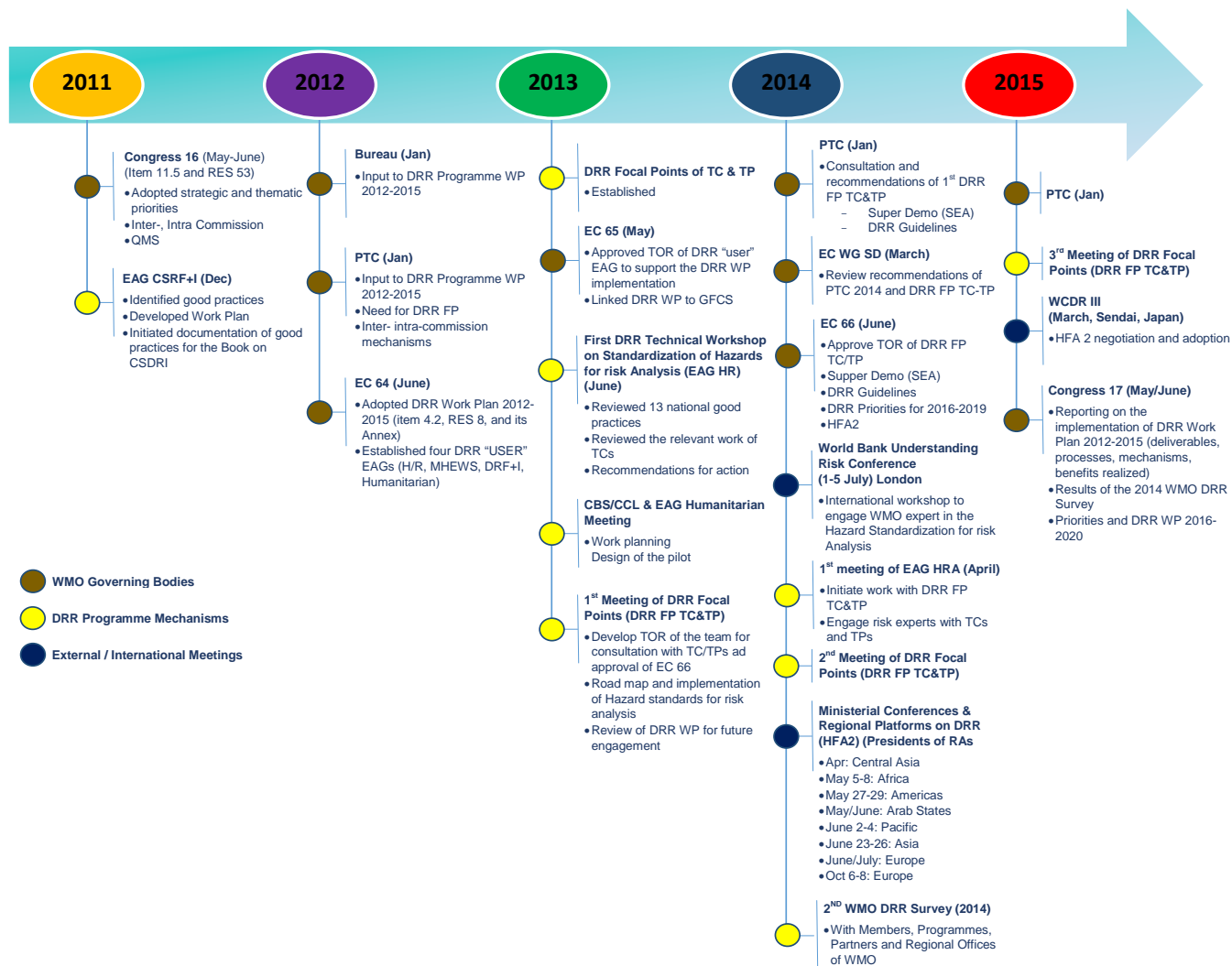
- (1) The extensive body of knowledge, including guidelines, manuals and standards available through various TCs and TPs as relevant to the thematic topics of DRR (see Annex II) be compiled, synthesized and made available on a portal for further analysis pertaining to the relevance to the deliverables of the DRR Work Plan 2012-2015. In this regard,
  - a. Noted as highest priority the need for guidelines, recommended practices and standards addressing:
    - i. Hazard definitions, monitoring, detection, databases, metadata, and hazard mapping and analysis to support risk assessment
    - ii. Operational guidelines of MHEWS
  - b. Requested support from the WMO Secretariat to provide services of a consultant in order to review the documents prepared by DRR FP TC-TP as the foundation for this compilation and further consult with the DRR FP TC-TP on the synthesis and design and development of a portal to make these available in a more accessible and organized manner for further analysis by the DRR FP TC-TP
- (2) Significant opportunities to support the Members in disaster risk reduction may be achieved through a more integrated approach in developing multi-hazard observation and forecasting platforms as the foundation for development of relevant and seamless products and services to support multi-Hazard EWS and risk analysis. With these considerations, and addressing the request of EC-64 and 65, the DRR FP TC-TP:
  - a. Proposed the design and development of a proposal leading to implementation of a coordinated multi-hazard Multi-Sector Risk Assessment and Multi-Hazard early warning Systems demonstration project with a service-delivery framework to demonstrate benefits of an integrated observation and forecasting platforms (Annex IX). Such a project would:
    - i. Demonstrate “Reduced Human & Economic Losses and Realize Economic Opportunities and Benefits through Enhanced Risk Assessment and Multi-Hazard Early warning Systems for weather-, water-, climate- and coastal-related hazards”
    - ii. Include Multi hazards: Tropical cyclones, storm surge and coastal inundation, severe precipitation and related flash flooding and riverine flooding, other severe weather including tornados, drought and heat waves.
    - iii. Include Multi sectors and user communities: Disaster Risk Management, Agriculture and Food Security, Water Resource Management and Coastal Zone Management
    - iv. Be built wherever possible upon a number of technical assistant projects and activities (including TCP, SWFDP, CIFDP, FFG, ERA, WIGOS, WIS and GDPFS), particularly stressing the development of Regional Climate Centers, the THORPEX TIGGI database and the WWRP-WCRP legacy projects on sub-seasonal and seasonal timeframes and MILAC (Annex X).
    - v. Involve identification, prioritization and development of partnerships and working arrangements with target sectors and users
    - vi. Demonstrate the benefits of meteorological, hydrological, and climate products and services underpinned by target user needs and requirements and be aligned with the WMO Strategy in Service Delivery.

- vii. Demonstrate the benefits of an integrated platform for observations and forecasting as the foundation for operational development of such services
  - viii. Include capacity development and training engaging NMHS and their target users in alignment with the WMO Capacity Development Strategy
  - ix. Be implemented in Southeast Asia, in Cambodia, Lao, Thailand and Vietnam as this region is one of the DRR Programme regions for demonstration of such projects, as approved by Cg 16, and also many of the technical assistance projects of WMO have been or are being implemented there. Therefore, the project provides an opportunity to leverage and coordinate these towards enhanced benefits to the Members.
- b. Requested the secretariat as part of the review of the TC and TP work to identify guidelines, recommended practices, and standards as well as more details on the TC activities that would be relevant to this demonstration
  - c. Agreed to establish a steering committee to guide and oversee the development of the proposal and implementation, monitoring and evaluation of the demonstration project
  - d. Requested WMO Secretariat assist with identification of funding
  - e. Recommended that the demonstration project be implemented in two distinct phases to the project including (i) 2014-15 for planning, obtaining buy-in from various stakeholders; (ii) 2016-2019 Implementation subject to approval in the planning phase, evaluation and future recommendations
  - f. Urged all Technical Commission and Technical Programmes to participate and contribute as relevant to their mandates to the design, implementation, evaluation and development of future recommendation from the pilot.
- (3) All DRR Focal Points to consult with their management groups on the Draft TOR of the DRR FP TC-TP and recommendations of this workshop by the end of November 2013
- (4) The Secretariat to publish a technical report comprised of the final report of this meeting and all the reports and presentations of the TCs and TPs prepared for this meeting as the foundation for the future work plan development
- (5) The co-chairs to present these proposals and recommendations as well as the DRAFT TOR of the DRR FP TC-TP to PTC Meeting (January 2014)

Finally the DRR FP TC-TP agreed that its next meeting would be held in conjunction with the First Meeting of the WMO DRR User-Interface Expert Advisory Group on Hazard Risk (DRR UI EAG AR) at the Understanding Risk Conference 30 June – 4 July 2014, and that wherever appropriate it would support WMO Secretariat with planning of events at the Understanding risk Conference.

## **Annexes**

## Major Decisions of WMO Governing Bodies and Milestones of DRR Programme





**Annex II**

<b>Table 1: DRR thematic “user-interface mechanisms” and associated deliverables during the 2012-2015 Inter-sessional Period</b>		
<b>User-Driven DRR Expert Advisory Group or Coordination Mechanism</b>	<b>Participating experts from partner agencies and WMO network</b>	<b>Deliverable (timeline)</b>
<b>Expert Advisory Group on Hazard/Risk Analysis (To be formally established in April 2014)</b>	UN-ISDR, UNDP, CRED, Munich Re, Swiss Re, World Bank, UNFCCC, OECD, Cima Foundation, EC Joint Research Center (JRC), Willis Research Network (WRN), IRDR, (wind and structural) Engineering Associations,  DRR Focal Points of WMO Technical Commissions and Programmes	<ol style="list-style-type: none"> <li>1. “First Technical Workshop on Standards for Hazard Monitoring, Databases, Metadata and Analysis Techniques to Support Risk Assessment,” in WMO Headquarters, Geneva, Switzerland (10 to 14 June, 2013)</li> <li>2. WMO/CRED Annual Publication: Socio-economic impacts of meteorological, hydrological and climate hazards (November 2013)</li> <li>3. Deliverable: Standards and guidelines for hazard definition, classification and standardization of hazard databases, metadata and statistical and forecasting techniques for hazard analysis to support loss and damage data collection and risk modeling (2013-2015)</li> </ol>
<b>Expert Advisory Group on Multi-Hazard Early Warning Systems (To be renewed in 2014)</b>	WHO, UNOCHA, WFP, FAO, UNHCR, UNDP, IFRC, UNESCO-IOC, World Bank, ITU, UNEP, UN-ISDR, UNICEF, NMHSs, Disaster Risk Management Agencies.  DRR Focal Points of WMO Technical Commissions and Programmes	<ol style="list-style-type: none"> <li>1. Book: “Institutional Partnerships in Multi-Hazard Early Warning Systems: A Compilation of Seven National Good Practices and Guiding Principles” Springer Verlag, pp 243 (April 2012)</li> <li>2. WMO DRR Guidelines: Governance and Institutional Partnerships in MHEWS (2014)</li> <li>3. Third International Experts' Symposium on MHEWS (2015)</li> <li>4. WMO DRR Operational Guidelines: Compilation of existing guidelines and standards by WMO TCs and development of new guidelines where gaps have been identified) (2013-2015)</li> </ol>
<b>Expert Advisory Group on Climate Services for Disaster Risk Financing (Formally established in December 2011)</b>	UNEP-FI, WFP, Willis Research Network, CIMH, CSIRO, ISDR, Munich Re, UNFCCC, World Bank, IFAD, Swiss Re, University of Kentucky, Geneva Association (Insurance), NMHSs.  WMO Technical Commissions and programmes engaged: CAgM, WWRP, WCRP.	<ol style="list-style-type: none"> <li>1. Report: Meteorological and Climate Services for Disaster Risk Financing: Documentation of Good Practices and Lessons Learned (Q1 2014)</li> <li>2. Report: Requirements for meteorological and climate services for disaster risk financing (Government and commercial users) (2014)</li> <li>3. First International Expert Symposium to identify needs and requirements and build partnerships for implementation (2015)</li> <li>4. Implement pilots as part of the holistic DRR and adaptation national capacity development projects with regional cooperation (2014-2015)</li> </ol>
<b>Inter-commission ad-hoc Task Team on Meteorological, and Climate Services for Improved Humanitarian Planning and Response</b>	UN-OCHA, UN-HCR, IFRC, UNICEF, UNITAR-UNOSAT, WFP, WHO, UNDP, JRC, EC-ECHO, IRI.  WMO Technical Commissions and Programmes engaged: CBS, CCI <i>Chair: Mr. Michel Jean (Canada).</i>	<ol style="list-style-type: none"> <li>1. Report: Requirements of the International Humanitarian Sector for Meteorological, Hydrological and Climate Services to Support Preparedness, Planning and Response. (August 2012)</li> <li>2. Operational demonstration pilots linked to holistic DRR and adaptation national capacity development projects with regional cooperation (2013-2015)</li> <li>3. Evaluation and scaling-up (2015 )</li> </ol>

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**Annex IV**

Upcoming Relevant WMO Sessions of Constituent Bodies and Other Related Meetings (2013-2015)												
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
2013											<b>CAgM MG*</b> 7-9 Korea  <b>CAS-16</b> 20-26 Antalya- Turkey	
2014	<b>2014 PTC*</b>  <b>2014 PRA*</b>	<b>ICG-WIGOS</b> 10-14 (Geneva)		<b>CAgM-16</b> 10-15 Antalya- Turkey	<b>RA V-16</b> 2-8 (Jakarta, Indonesia)	<b>EC 66</b> 16-27 (Geneva)	<b>CCL-16</b> 3-8 Heidelberg Germany  <b>CIMO-16</b> 10-16 Saint Petersburg, Russian Federation  <b>CAeM-15</b> 15-16 Canada (Montreal) (Conjoint with ICAO)	<b>CHy AG*</b>	<b>CBS-16 EXT</b> 9-12 (Asunción, Paraguay)  <b>RA III / CAS MG</b> (Asuncion, Paraguay)	<b>JCOMM</b> MGMT Committee (MAN)  <b>RA I-16</b> (TBD - Geneva, Benin, Kenya, Guinea or Zimbabwe)		
2015					<b>Seventeenth Congress</b> 25 May – 12 June EC-67 15-17 June Geneva							

## **Recommendations of the First Technical Workshop on Standards for Hazard Monitoring, Data, Metadata and Analysis to Support Risk Assessment**

**10-14 June 2013  
WMO Headquarters  
Geneva, Switzerland  
Salle B**

### **Thematic Issues to be addressed:**

- 1) To establish hazard definitions and a hazard classification scheme, with attention to the spatial and temporal interrelationships of the hazards, which meet the needs of loss and damage data collection and the risk assessment community, response agencies and other key sectors.
- 2) To establish good practice principles for hazard monitoring and mapping in support of risk assessment.
- 3) Establish common format and methodologies for development and interoperability of relevant databases and metadata in linkage to the definitions and classifications:
  - a) Include analysis of conversion capabilities
  - b) Format to be shared by every country.
  - c) Examples of IRCC and Aviation Database (To be clarified)
- 4) Need for enhanced cooperation and data exchanges intra-country, trans-boundary, regional and international on hazard data/metadata
  - a) That WMO through its formal data sharing TT to investigate and explore opportunities for enhancement of hazard information sharing
- 5) Design, assess human and financial resources needed and propose a pilot to demonstrate the above concepts (building on capacities and activities of WMO TC and other partners engaged in relevant projects in these areas) Subject to on-going consultation with Technical Commissions)
  - a) Identify specific cross-commission cross-agency demo project, activities, databases, etc) (based on best practices and lesson learned from cross-commission cross-agency projects) relevant to
  - b) Loss and damage
  - c) Risk assessment and analysis that is needed
- 6) Need for education and training and systematic capacity development projects to build these capacities

### **DRR Inter- and Inter-commission and Programme Implementation Processes and budgeting to address thematic recommendation**

- 1) Establishment of a team of DRR focal points of Technical Commissions and Technical Programmes (TCP, WCRP, CAS/WWRP, WIGOS/WIS/GDPFS) and Education and Training Programme of WMO (ETR) (Subject to further consultation with the WMO TCs, Technical Programmes and inter-commission activities such as WIGOS)
  - a) Meets annually face-to-face and as needed via Webex, etc

- b) DRR Focal Point meetings are funded by DRR Programme Budget
- c) Develops recommendations for consideration of the TCs and TPs
- d) Sets up relevant multi-disciplinary Task Team(s) with relevant expertise to work on concrete projects on priority issues with DRR Expert Advisory Group on HR
- e) Carries out on-going consultations with the Management Groups of TCs, TCP, and other inter-commission mechanisms (WIGOS) and PTC mechanisms on the work planning and related issues

**List of Participants of the First Coordination Meeting of Disaster Risk  
Reduction Focal Points of Technical Commissions and Programme (DRR  
FP TC- TP 2013), 14-16 October 2013, Geneva**

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## AGENDA

### 2013 Coordination Meeting of Disaster Risk Reduction Focal Points of Technical Commissions and Programmes (DRR FP TC-TP 2013), 14-16 October 2013, Geneva, Switzerland

Day 1 – Monday 14 October 2013	
0830 – 0900	Registration (Room 7Lake)
<b>Session 1: Opening and introduction</b>	
0900 – 1030	<ul style="list-style-type: none"> <li>➤ Welcome remarks and opening of the workshop - <i>Dr. Xu Tang Director of Weather Water and DRR Services Department</i></li> <li>➤ Roundtable introduction of participants</li> <li>➤ Objectives, structure, document list and working arrangements of the meeting – <i>Maryam Golnaraghi (WMO)</i></li> <li>➤ Introducing the co-chairs and selection of the drafting group for preparation of the final outcomes</li> <li>➤ Background: WMO DRR Work Plan, major milestones, working arrangements and implementation – Decisions of Congress XVI, Executive Councils 64 and 65 (Docs 2, 4, 5) – <i>Maryam Golnaraghi (WMO)</i></li> </ul>
1030 -1100	<b>Group Photo Coffee break</b>
<b>Session 2: Background</b> <b>Co-chairs: Michel Jean (DRR Focal Point of CBS) &amp; Kevin Horsburgh (DRR Focal Point of JCOMM)</b>	
1100 – 1300	<ul style="list-style-type: none"> <li>➤ Review of the draft Terms of Reference of the DRR Focal Points of Technical Commissions and Programmes (Doc 3) - Michel Jean / Kevin Horsburgh</li> <li>➤ WMO Role in the Development of Guidelines, Manuals and Standards – <i>Dimitar Ivanov (WMO)</i></li> <li>➤ Needs and Requirements for Hazard Information to Support Collection of National Loss and Damage Data and Conduct Risk Analysis – <i>Maxx Dilley (UNDP) and Manuela Dimauro (UN-ISDR)</i></li> <li>➤ Review of the recommendations of the “First Technical Workshop on Standards for Hazard Monitoring, Data, Metadata and Analysis to Support Risk Assessment, 10-14 June 2013, Geneva” (Doc 2 – Annex 5) - Michel Jean / Kevin Horsburgh</li> </ul>
1300 - 1400	<b>Lunch</b>
<p><b>Session 3: Discussion of Mandates and Relevant Activities of WMO Technical Commissions and Technical Programmes for Development of Guidelines, Manuals and Standards for Monitoring, Detection, Development of Databases, Metadata and Hazard Analysis to Support Risk Assessment</b> (TC and TP documents are available on the webpage of the meeting):</p> <p><b>Key issues for discussions:</b></p> <ol style="list-style-type: none"> <li>1) <i>Mandate of Technical Commission related to the priority hazards (listed in the questionnaire for the TCs), development of definition, guidelines, manuals and standards for observing networks, historical and real-time data management systems (data, metadata, quality assurance practices), statistical analysis, now-casting and forecasting and projections in context of climate scenarios for hazards (short weather to long-term climate time lead times)?</i></li> <li>2) <i>What are the relevant activities of your Technical Commissions work plan to development of guidelines, manuals and standards related to the above issues (issue 1)</i></li> <li>3) <i>Definition on hazards developed by the Technical Commissions</i></li> <li>4) <i>Are there a list of existing guidelines, manuals and standards relevant to the objectives of this initiative developed in your commission, for what specific application (research, forecasting)?</i></li> <li>5) <i>Through what process you identify needs and requirements of new users (in this case the risk assessment and risk analysis community) to guide development of guidelines, manuals and standards in your commission?</i></li> <li>6) <i>What are the intra- and inter-commission mechanisms for development of guidelines, manuals and standards that are relevant to the objectives of this initiative?</i></li> <li>7) <i>Are the experts with hand-on experience in disaster risk assessment and risk analysis engaged in your Technical Commissions? To what extent you have already, or can engage new representatives from the user community (in this case experts from risk community) in the process of identification of requirements?</i></li> </ol>	



1400-1600	<ul style="list-style-type: none"> <li>➤ 20 minute Presentations with 10 minute Q&amp;A by experts from <ul style="list-style-type: none"> <li>▪ Michel Jean – <i>Commission for Basic Systems (CBS)</i></li> <li>▪ Johnson Muturi maina &amp; Yuri Simonov – <i>Commission for Hydrology (CHy)</i></li> <li>▪ Jitze Van der Meulen – <i>Commission for Instruments and Methods of Observation (CIMO)</i></li> <li>▪ Kevin Horsburgh – <i>Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM)</i></li> </ul> </li> </ul>
1600 – 1630	<b>Coffee break</b>
<b>Session 3 (Continued): Risk Analysis and Needs and Requirements for Hazard Information</b>	
1630 – 1800	<ul style="list-style-type: none"> <li>➤ 20 minute presentations with 10 minute Q&amp;A by experts from: <ul style="list-style-type: none"> <li>▪ Govindarajalu Srinivasan – <i>Commission for Climatology (CCI)</i></li> <li>▪ Raymond Motha – <i>Commission for Agricultural Meteorology (CAgM)</i></li> <li>▪ Dan Sandink - <i>Commission for Atmospheric Sciences (CAS)</i></li> </ul> </li> </ul>
<b>Day 2 – Tuesday 15 October 2013</b>	
<b>Session 3 (continued): Discussion of Mandates and Relevant Activities of WMO Technical Commissions and Technical Programmes for Development of Guidelines, Manuals and Standards for Monitoring, Detection, Development of Databases, Metadata and Hazard Analysis to Support Risk Assessment</b>	
0900 - 1030	<ul style="list-style-type: none"> <li>➤ 20 minute presentations with 10 minute Q&amp;A by experts from: <ul style="list-style-type: none"> <li>▪ Simon Mason - <i>World Climate Research Programme (WCRP)</i></li> <li>▪ Taoyong Peng (On behalf of Andrew Burton) – <i>WMO Tropical Cyclone Programme (TCP)</i></li> <li>▪ Igor Zahumensky (<i>on behalf of Jochen Dibbern</i>) - <i>WMO Integrated Global Observing System (WIGOS)</i></li> </ul> </li> </ul>
1030 - 1100	<b>Coffee break</b>
<b>Session 4: Development of Priorities of Action, Proposed Road Map, and Recommendations for Implementation, Monitoring and Reporting: Leveraging Relevant Activities of WMO Technical Commission and Programmes to support the Development of Guidelines, Manuals and Standards for Monitoring, Detection, Development of Databases, Metadata and Hazard Analysis to Support Risk Assessment</b>	
1100 – 1300	<ul style="list-style-type: none"> <li>▪ Topic 1: Priority of Actions and identification of concrete activities and deliverables based on the recommendation of the “First Technical Workshop on Standards for Hazard Monitoring, Data, Metadata and Analysis to Support Risk Assessment, 10-14 June 2013, Geneva” with consideration for Quality Management Principles</li> <li>▪ Topic 2: Concrete contributions of Technical Commissions and Programmes for the development of deliverables (Relevant existing activities and future directions) – DRR Focal Point will be requested to prepare a concrete 2-3 paragraph highlighting relevant specific activities, Inter-, and Intra-Commission and Programme mechanisms (Working Groups and Task Teams) and expertise that can be leveraged for the implementation of the deliverables.</li> <li>▪ Topic 3: Recommendations for inter-, and intra-commission and programme engagement to implement the activities</li> <li>▪ Topic 4: Road map and milestones for Implementation (also addressing the process for formal endorsement and active engagement of the Technical Commissions and Programmes’ expertise in the implementation) (now to 2015)</li> <li>▪ Topic 5: Monitoring and Reporting to WMO Constituent bodies and governing mechanisms (EC and Congress)</li> <li>▪ Topic 6: Resource requirements for the implementation (expertise, financial, etc)</li> </ul>
1300 - 1400	<b>Lunch</b>
<b>Session 4 (Continued)</b>	

1400 – 1730 <i>With a 15-minute coffee break</i>	<ul style="list-style-type: none"> <li>▪ Continue discussions</li> <li>▪ Draft a summary of the discussions of Session 4 with input from DRR Focal Points and support of the WMO Secretariat</li> </ul>
1730 – 1800	<i>Preliminary draft summary of discussions from Session 4 – Co-chairs with support of WMO Secretariat</i>
<b>Day 3 – Wednesday 16 October 2013</b>	
<b>Session 5: Review of the Draft Summary from Session 4</b>	
0900 – 1100 <i>With a 15-minute coffee break</i>	<ul style="list-style-type: none"> <li>▪ Presentation of draft summary from Session 4 for further discussion and finalization of the Draft</li> <li>▪ <i>Planning for consultations with TCs and TPs and PTC</i></li> </ul>
1100-1115	<b>Coffee break</b>
<b>Session 6: Other key Issues</b>	
1115– 1245	<ul style="list-style-type: none"> <li>▪ Review and finalization of the TOR of the Group of DRR Focal Points of the Technical Commissions and Technical Programmes (DRR FP-TCTP) for further consultation with President and Management Groups of Technical Commissions and Programmes for submission to EC 66 for consideration and endorsement</li> <li>▪ Recommendations for other priorities of action of the DRR Work Plan 2012-2015 to be undertaken through DRR FP-TCTP during the inter-sessional period 2012-2015.</li> <li>▪ Preparations for the “Understanding Risk Conference in July 2014)</li> <li>▪ Dates of the next meetings</li> </ul>
1245 – 1300	➤ Official Closing of the Workshop

## **Objectives and Expected Outcomes**

### **2013 Coordination Meeting of Disaster Risk Reduction Focal Points of Technical Commissions and Programmes (DRR FP TC-TP 2013)**

#### **Meeting Objectives**

The goals of the 2013 Coordination Meeting of the DRR Focal Points of Technical Commissions and Programmes Group (DRR FP TC-TP) where to:

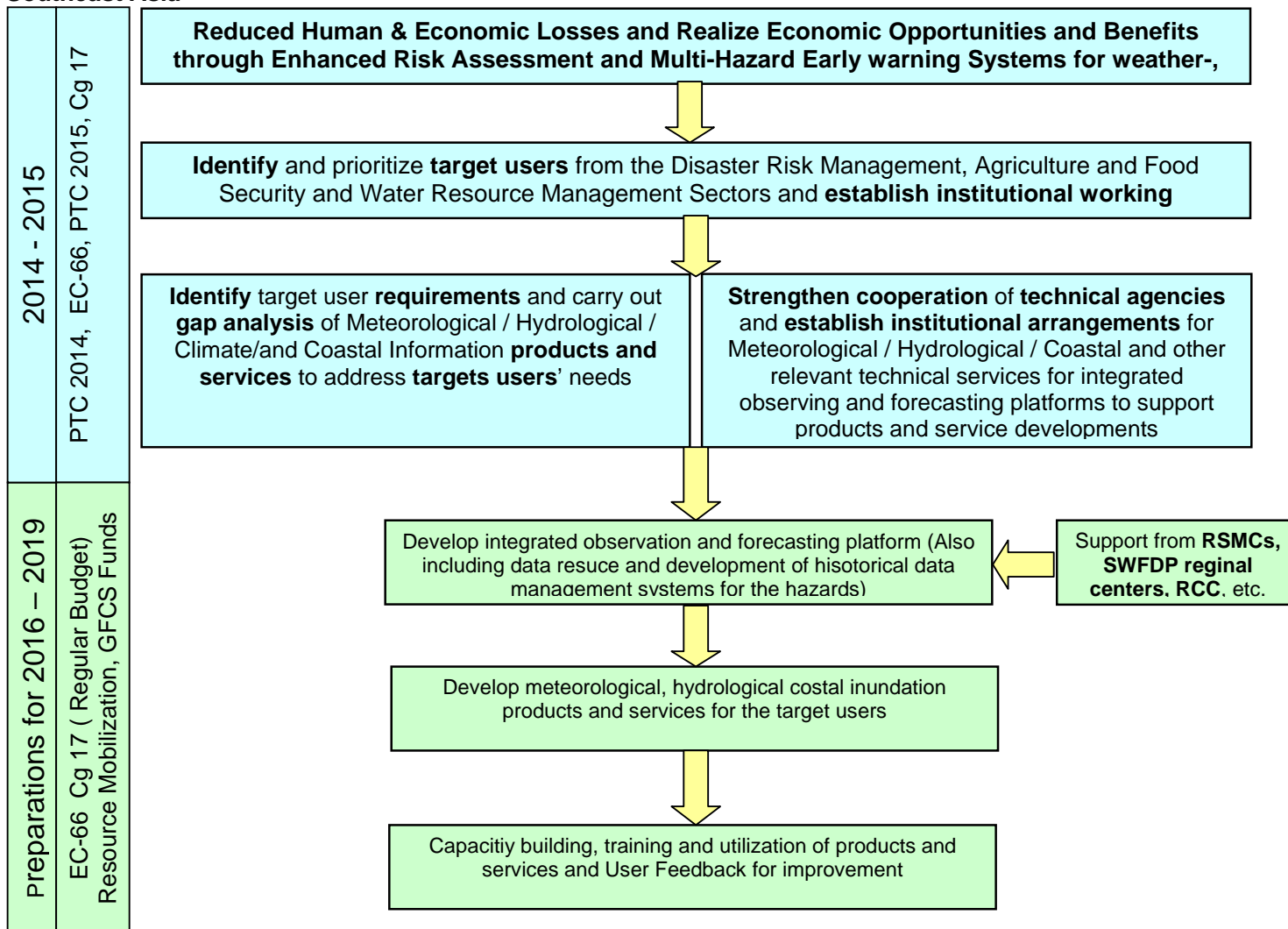
- (1) Review and finalization of the draft TOR of the Group of DRR Focal Points of the Technical Commissions and Technical Programmes (DRR FP-TCTP) for further consultation with President and Management Groups of Technical Commissions and Programmes for submission to EC-66 for consideration and endorsement;
- (2) Development of priorities of action, proposed road map, and recommendations for implementation, monitoring and reporting: leveraging relevant activities of WMO TCs and TPs to support the development of guidelines, manuals and standards for monitoring, detection, development of databases, metadata and hazard analysis to support risk assessment. Develop a consultation plan with respective TCs and TPs based on upcoming events of the TCs and TPs prior to EC-66;
- (3) Review and discuss other deliverables of the DRR Work Plan (2012-2015) and provide recommendations for engagement of their respective technical commissions and technical programmes; and,
- (4) Provide input for WMO preparations and participation in the International Conference on Understanding Risk in July 2014.

#### **Expected Outcomes**

The Outcomes of the 2013 Meeting of the DRR FP TC-TP group where to:

- (1) Draft TOR for DRR FP TC-TP Group which will undergo further consultations with the Technical Commissions and Programmes and presented at the Presidents of Technical Commissions (PTC) Meeting in January 2014 for finalization and submission to EC-66.
- (2) Development of priorities of action, proposed road map, and recommendations for implementation, monitoring and reporting: leveraging relevant activities of WMO TCs and TPs to support the development of guidelines, manuals and standards for monitoring, detection, development of databases, metadata and hazard analysis to support risk assessment.
- (3) List of recommendation for:
  - a. Potential engagement of TCs and TPs in other deliverables of the DRR Work Plan 2012-2015, and,
  - b. Engagement and participation of WMO at the Understanding Risk Conference 2014.

Multi-hazard Multi-Sector Demonstration project for Strengthening Risk assessment and Multi-Hazard early Warning Systems proposed in Southeast Asia



Mapping of WMO Technical Commissions and technical Programmes, WMO Departments as relevant to the engagement in the Multi-Hazard, Multi-Sector Demonstration Project proposed to be implemented in Southeast Asia

Hazards		Observations (equipment and networks)	short-term Forecasting (0-5 d)	Sub-seasonal and seasonal predictions	Policy, Institutional cooperation and user interface and requirements in DRR	Service Delivery
Tropical Cyclones	<b>CIMO (IMOP)</b> <b>CCL- OPACE I – CDM</b> <b>ICG – WIGOS</b> <b>CBS WIS</b>	<b>Tropical Cyclone Program (TCP), WDS</b> <b>CAS – WWRP - TCRP AREP/RES</b>  UNESCO WMO Typhoon Committee RSMC Tokyo		<b>CCL-Chy-CaGM – EGCFW</b> <b>CBS-CCL ET-OPSLTS</b> <b>JCOMM-ETOOFS</b> <b>CBS-ETLRF</b> <b>WWRP-WCRP S2S Research Project</b>	<b>DRR UI EAG – Hazard Risk</b> <b>DRR UI-EAG- MHEWS</b> <b>DRR UI-EAG-DRF and Insurance</b> <b>DRR UI EAG – SWG IASG Preparedness</b> <b>DRRP</b> <b>WDS</b> <b>CCL - WCSP – OPACE 4</b>	<b>CBS-OPAGE-PWS // EC WG SD with focus on DRR</b> <b>CAGM - ET WAMIS</b> <b>CAeM</b> <b>Chy</b> <b>JCOMM - SFSPA</b>
Storms surge and coastal Inundation => Salination		<b>JCOMM- ET-WCH, CIFDP, MMOP, WDS</b>  <b>CAgM, AgMP CLW</b>				
Severe Weather (Precipitation)		<b>CBS- OPAG DPFS SWFDP DPFS WDS</b> <b>CCL- OPACE II – TTDEWCE – WW CER CLW</b> <b>CAS – WWRP AREP/RES</b> <b>WCRP – S2S – ET CCDI RES</b>				
Flash Flooding Riverine flooding		<b>CHY – OPACHE – HFP HWRP CLW</b>				
Other severe weather Tornados		<b>CBS- OPAG DPFS SWFDP DPFS WDS</b>				
Heat waves		<b>CCL-OGAC III – TTGSCU CLW</b>				

***Draft Terms of Reference of the WMO Disaster Risk Reduction Focal Points of Technical Commissions and Programmes (DRR FP TC-TP)***

With consideration for the following decisions and milestones of the Disaster Risk Reduction (DRR) Programme, including:

- 1) Item 11.5 and Resolution 53 of Sixteenth Session of WMO Congress (May 2011)
- 2) Item 4.2 and Resolution 8 and its Annex of Sixty-Fourth Session of Wmo Executive Council (June/July 2012)
- 3) Item 4.2 of Sixty-Fifth Session of WMO Executive Council (May 2013)
- 4) WMO DRR Work Plan (2012-2015) adopted by EC-64 (Annex to Resolution 8)
- 5) Establishment of DRR User-Interface Expert Advisory Groups (DRR UI-EAGs)
- 6) Further consultations with the Presidents of WMO Technical Commissions and WMO Technical Programmes,
- 7) Formal designation of the TC and TP DRR Focal Points (Annex I)

The DRR Focal Points of Technical Commissions (TCs) and Technical Programmes (TPs) (DRR FP TC-TP) have been established during the inter-sessional period of 2012-2015, to serve the following Terms of Reference:

- (1) Review on a regular basis the intra- and inter-commission and programme activities and identify those relevant to supporting the implementation of the DRR Work plan (2012-2015);
- (2) Participate in the DRR UI-EAGs and recommend priorities of action, and coordinated projects and work plans (including suggestions for budget requirements) for leveraging relevant activities of WMO TCs and TPs to support the implementation of the WMO DRR Work Plan 2012-2015. Submit these recommendations for consideration by Presidents of Technical Commissions (PTC);
- (3) Propose and manage multi-disciplinary Task Team(s) to support the implementation of coordinated projects that address priority issues of the WMO DRR Work-Plan (2012-2015);
- (4) The co-chairs consult as necessary with PTC and the individual members with their respective TPs, and the Management Groups of TCs and other cross cutting groups;
- (5) To achieve the above the DRR FP TC-TP meets annually (supported by the WMO DRR Programme budget) and as needed virtually via WEBEX/videoconference