



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***

Webpage:

http://www.wmo.int/pages/prog/drr/projects/Thematic/HazardRisk/2013-04-TechWks/index_en.html

Provisional Agenda

(As of 7 June 2013)

Day 1 – Monday 10 June 2013

Session 1: Opening and introduction

0900 – 1100	<ul style="list-style-type: none"> ➤ Welcome remarks and opening of the workshop - <i>Peiliang Shi (On behalf WMO Secretary general)</i> ➤ Roundtable introduction of participants ➤ Background, objectives, structure and working arrangements of the Technical Workshop – <i>Maryam Golnaraghi (WMO)</i> ➤ Introducing the chairs and selection of the drafting group for preparation of the final outcomes and recommendations ➤ WMO Role in Development of Guidelines, Manuals and Standards – <i>Dimitar Ivanov (WMO)</i>
1100 – 1130	Group Photo Coffee break

Session 2: Risk Analysis and Needs and Requirements for Hazard Information Chair: Angelika Wirtz

Issues for discussions:

- 1) *Diversity of disaster risk assessment and analysis stakeholders and their needs (local, national, regional, global, sectoral, etc) to support a diverse range of DRR related decisions.*
- 2) *Definitions of hazards and related cascading hazards from risk assessment and analysis perspectives versus meteorological, hydrological and climate perspectives.*
- 3) *Importance of hazard definition, data, metadata, analysis and mapping for collection of loss and damage data, risk assessment and risk analysis.*
- 4) *Needs and requirements of stakeholders that carry out risk assessment and risk analysis for hazard data, metadata, hazard analysis (historical versus forward looking).*
- 5) *Challenges with quality, availability, accessibility of hazard information at national, regional and global levels for risk assessment and risk analysis.*

1130 – 1300	<ul style="list-style-type: none"> ➤ 30 minute presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Angelika Wirtz – <i>Munich Re</i> ▪ Laurence McLean – <i>Centre For Research on The Epidemiology of Disasters (CRED)</i>
1300 - 1400	Lunch

Session 2 (Continued): Risk Analysis and Needs and Requirements for Hazard Information

1400 – 1530	<ul style="list-style-type: none"> ➤ 30 minute presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Maxx Dilley – <i>United Nations Development Programme (UNDP)</i> ▪ Manuela Di Mauro – <i>United Nations Strategy for Disaster Reduction (UNISDR)</i>
15:30 – 1600	<i>Discussion of key issues, challenges, needs, requirements for weather, climate and water hazard information to support damage and loss data collection and risk analysis (local, national, regional, global) (for discussion on Days 4 and 5)</i>
1600 – 1630	Coffee break

Day 1 – Monday 10 June 2013

Session 3: National Experiences and Practices for Monitoring, Detection, Development Of Databases, Metadata and Hazard Analysis to Support Risk Assessment

Chair: Graeme Forrester

Issues for discussions:

- 1) Definitions of hazards (and related cascading hazards) in your country, (from the list provided in the questionnaire) Are there common definitions across the countries represented here? Are the definitions of hazards establish through legal instruments or remain at the discretion of technical agencies?
- 2) Institutional Aspects: Hazard Types (I, II, III) and roles of various agencies in monitoring, detection and maintenance of historical databases, metadata.
- 3) Institutional cooperation and partnerships among technical agencies for monitoring, detection, collection and development of databases and metadata. (space and in-situ).
- 4) Practices with development of integrated hazard databases, data management systems, metadata and quality assurance practices for Hazards Type I, II, III.
- 5) Practices for cooperation with other technical and sectoral agencies to provide hazard data for sectoral and other risk assessment and risk analysis to sectors (services for public and private sector).
- 6) Challenges in developing and providing systematic hazard information at national level.
- 7) Latest techniques for hazard analysis (statistical, now-casting and forecasting (short-weather to long-term climate time scales, spatial resolution and downscaling aspects)?
- 8) Implications of climate variability and climate change for operational hazard analysis.
- 9) Service delivery models for provision of hazard data, meta data and analysis and advisory services.

1630 – 1800	<ul style="list-style-type: none"> ➤ 30 minute presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Linda Anderson-Berry – <i>Australia</i> ▪ Jacinthe Lacroix – <i>Canada</i>
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Day 2 – Tuesday 11 June 2013

Session 3 (Continued): National Experiences and Practices for Monitoring, Detection, Development of Databases, Metadata and Hazard Analysis to Support Risk Assessment

0900 – 1300 <i>With a 15-minute coffee break</i>	<ul style="list-style-type: none"> ➤ 30 minute Presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Guofu Wang – <i>China</i> ▪ Quoc-Phi Duong – <i>France</i> ▪ Thomas Kratzsch – <i>Germany</i> ▪ Nobuyuki Tanaka – <i>Japan</i>
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1300 – 1400	Lunch
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Session 3 (Continued): National Experiences and Practices for Monitoring, Detection, Development Of Databases, Metadata and Hazard Analysis to Support Risk Assessment

1400 – 1730 <i>With a 15-minute coffee break</i>	<ul style="list-style-type: none"> ➤ 30 minute Presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Franklin Kroonenberg – <i>Netherlands</i> ▪ Olga Bulygina – <i>Russian Federation</i> ▪ Graeme Forrester – <i>United Kingdom</i> ▪ Christopher Strager – <i>United States of America</i>
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1730 – 1800	<i>Summary of discussions from Session 3: of key issues, challenges, opportunities and common approaches (for discussion on Days 4 and 5)</i>
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Day 3 – Wednesday 12 June 2013

Session 4: 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

Chair: Raymond Motha

Key issues for discussions:

- 1) 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)?
- 2) 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)
- 3) Definition on hazards developed by the Technical Commissions
- 4) 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)?
- 5) 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?
- 6) What are the intra- and inter-commission mechanisms for development of guidelines, manuals and standards that are relevant to the objectives of this initiative?
- 7) 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?

0900 – 1300 With a 15-minute coffee break	<ul style="list-style-type: none"> ➤ 30 minute Presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Paul Davies – Commission for Basic Systems (CBS) ▪ Ann Calver – Commission for Hydrology (CHy) ▪ Jitze Van der Meulen – Commission for Instruments and Methods of Observation (CIMO) ▪ Andrew Burton – Tropical Cyclone Programme
1300 – 1400	Lunch

Day 3 – Wednesday 12 June 2013 (Continued)

Session 4 (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

1400 – 1630 With a 15-minute coffee break	<ul style="list-style-type: none"> ➤ 30 minute Presentations with 15 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Kevin Horsburgh – Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM) ▪ Govindarajalu Srinivasan – Commission for Climatology (CCI) ▪ Raymond Motha – Commission for Agricultural Meteorology (CAgM)
1630 – 1730	<p><i>Summary of discussions from Session 4: Key issues, challenges, opportunities and activities of Technical Commissions and Technical Programmes of WMO to support development of guidelines, manuals and standards for weather, climate and water hazard information to support risk analysis (for discussion on Days 4 and 5)</i></p>

Day 4 – Thursday 13 June 2013

0900-0945	<ul style="list-style-type: none"> ▪ Urs Germann Switzerland (30 minute Presentations with 15 minute Q&A)
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Session 5: Examples of Other Relevant Activities and Initiatives Chair: Raymond Motha	
0945 – 1100	<ul style="list-style-type: none"> ➤ 20 minute Presentations with 10 minute Q&A by experts from: <ul style="list-style-type: none"> ▪ Filipe Lucio, Maxx Dilley, and Maryam Golnaraghi– <i>Global Framework for Climate Services and DRR Exemplar (GFCS)</i> ▪ Peiliang Shi – <i>WMO Information Systems (WIS)</i> ▪ Gaetani Francesco – <i>Group on Earth Observations (GEO)</i>
1100-1115	Coffee break
Session 6: Discussions, Priorities and Recommendations Co-chaired by Angelika Wirtz, Raymond Motha and Graeme Forrester	
<p>Key issues: <i>Building on the priorities, needs and requirements for hazard information to support risk assessment and risk analysis, practices of Members and current work plan and activities of the Technical Commissions, develop recommendations for priority of actions to be carried out through intra- and inter-commission working arrangements with this target users community to develop the missing guidelines, manuals and standards with deliverables and timelines for this year based on what is available for the TCs, and then in 2, 4, and 6 years timeframes (2013, 2015, 2017, 2019).</i></p>	
1115 – 1230	Round table discussion - Identification of priorities for development of recommendations for follow up actions
1230 – 1330	Lunch
1330 – 16:00 1600 - 1700	Round table discussion (Continued) Drafting and consolidations of recommendations
Day 5 – Friday 14 June 2013	
Session 7: Final Synthesis and Drafting of Recommendations and Priorities of Action Co-chaired by Angelika Wirtz, Raymond Motha and Graeme Forrester	
<p>Key Issues: <i>Building on the priorities, needs and requirements for hazard information to support risk assessment and risk analysis, practices of Members and current work plan and activities of the Technical Commissions, develop recommendations for priority of actions to be carried out through intra- and inter-commission working arrangements with this target users community to develop the missing guidelines, manuals and standards with deliverables and timelines for this year based on what is available for the TCs, and then in 2, 4, and 6 years timeframes (2013, 2015, 2017, 2019).</i></p> <p>Recommendations for:</p> <ul style="list-style-type: none"> • <i>Priority Hazards and related cascading hazards</i> • <i>Deliverables and timelines regarding development of hazard definition, and guidelines, manuals and standards for hazard monitoring, detection, historical and real-time databases, metadata, mapping, analysis, now-casting, forecasting techniques (short-term to long-term climate timeframes)</i> • <i>Needs for strengthening intra-, and inter-commission mechanisms to address these issues</i> • <i>How to engage the risk assessment and risk analysis experts in the TC working arrangements</i> • <i>Other considerations and issues</i> 	
0900 – 1200	➤ Drafting and Finalization of recommendations
1200 – 1215	➤ Wrap up and Next Steps – Maryam Golnaraghi, (WMO)
1215 – 1230	➤ Official Closing of the workshop