



ESCAP/WMO Typhoon Committee
8th IWS/2nd TRCG Forum on the main theme of
“Forecasting, Warning and DRR Strategies in the Mitigation of Tropical Cyclone Impact in a
Multi-hazard Environment”
2 – 6 December 2013
Macao Science Center, Macao, China

Provisional Programme

Day 1/ December 2 (Mon)

08:30 – 09 :00	Registration
09:00 – 09 :30	Opening Ceremony : Introductory Remark – Olavo Rasquinho, Secretary of TC Opening Address – Edwin Lai, Chair of TRCG, HKO Opening Address – Sangheon Lee, representative of HRFCO - Ministry of Land, Infrastructure and Transport Opening Address – Alf Ivar Blikberg, Representative of ESCAP Opening Address – Koji Kuroiwa, Representative of WMO Welcome Address - Fong Soi Kun, Director of SMG
09:30 – 09:40	Group Photo
09 :40 – 10:10	Tea Break
10:10 - 12 :30	Keynote Session 1 (Plenary) :
10:10 - 10:30	1. Bridging the Gap between Tropical Cyclone Research and Operation - Johnny Chan (School of Energy and Environment, City University of Hong Kong)
10:30 – 10:50	2. Ensemble Tropical Cyclone Activity Prediction using TIGGE Data - Munehiko Yamaguchi (ECMWF / JMA, Japan)
10:50 – 11:10	3. Recent Developments of JMA Operational NWP Systems and WGNE Intercomparison of Tropical Cyclone Track Forecast – Chiashi Muroi (JMA, Japan)
11:10 – 11:30	4. Extratropical Transition: Modern Forecasting and Communication Technique - Chris Fogarty (Canadian Hurricane Centre, Canada)
11:30 – 11:50	5. Extratropical Transition of Tropical Cyclones in the Western North Pacific Basin - Naoko Kitabatake (JMA, Japan)

11:50 - 12:10	6. Satellite-based Analyses in Tropical Cyclone Forecasting - Roger Edson (NWS, Guam, USA)
12:10 – 12:30	Q & A
12:30 – 14:00	Lunch
14:00 – 18:00	Keynote Session 2 (Plenary)
14:00 – 14:20	7. New Development on PMP Estimation in China - Bingzhang Lin (NUIST, China)
14:20 – 14:40	8. Flood Forecasting and Warning Systems - Yoshiharu Matsumoto (CTI Engineering, Japan)
14:40 – 15:00	9. The Practical Use of Flood Information for Flood Damage Mitigation Ji-Youn Sung (HRFCO, Republic of Korea)
15:00 – 15:20	10. Storm Surge Disasters by Typhoons and Information for Disaster Risk Reduction - Nadao Kohno (JMA, Japan)
15:20 – 15:30	Q & A
15:30 – 16:00	Tea Break
16:00 – 16:20	11. Practical Simulation of Tropical Cyclone Impacts for Forecasting, Emergency Planning and Disaster Risk Reduction- Bruce Harper (GHD Pty Ltd, Australia)
16:20 – 16:40	12. Socio-economic Impact of Tropical Cyclones making Landfall on the Korean Peninsula - Baek-Jo Kim (KMA, Republic of Korea)
16:40 – 17:00	13. Human Centric Disaster Management by a Multi-layer and Crowd Sourced GIS Mapping – Shim Jae Hyun (NDMI, Korea)
17:00 – 17:20	14. Tropical Cyclone Losses and Climate Change - John McAneney (Risk, Frontiers, Macquarie University, Australia)
17:20 – 17:40	15. Tropical Cyclone and Climate Change – Tom Knutson (NOAA, USA)
17:40 – 18:00	Q & A

Day 2/ December 3 (Tue)

09:00 - 13:00	Members Report (Parallel)		
	<u>Meteorology</u>	<u>Hydrology</u>	<u>DRR</u>
09:00	Cambodia	Cambodia	Cambodia
09:15	China	China	China
09:30	DRP Korea	DRP Korea	DRP Korea
09:45	Hong Kong, China	Hong Kong, China	Hong Kong, China
10:00	Japan	Japan	Japan
10:15	Lao PDR	Lao PDR	Lao PDR
10:30	Macao, China	Macao, China	Macao, China
10:45 -11:15	Tea Break		
11:15	Malaysia	Malaysia	Malaysia
11:30	Philippines	Philippines	Philippines
11:45	Republic of Korea	Republic of Korea	Republic of Korea
12:00	Singapore	Singapore	Singapore
12:15	Thailand	Thailand	Thailand
12:30	USA	USA	USA
12:45	Viet Nam	Viet Nam	Viet Nam
13:00 – 14:30	Lunch		
14:30 – 18:00	Keynote –Projects Session (Plenary)		
14:30 – 14:50	1. Typhoon Experiment on Structure and Intensity Changes in the Coastal Area (TEXSICA) – Xiaotu Lei (CMA, China)		
14:50 – 15:20	2. Synergized Standard Operating Procedures for Coastal Multi-Hazards Early Warning System (SSOP) - James Weyman (TC)		
15:20 – 15:40	3. Urban Flood Risk Management (UFRM) – Jinping Liu (TC)		
15:40 – 16:00	4. Severe Weather Forecast Demonstration Project (SWFDP) in SE Asia - Peter Chen (WMO)		
16:00 – 16:30	Tea Break		
16:30 – 18:00	Special Discussion Topic - Review of the impact and implications of Haiyan with highlights on the WMO and regional emergency response activities during the episode		
19:00	Welcome dinner		

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Day 3/ December 4 (Wed)

09:00 – 10:30	Topical Discussion (Parallel in 4 – 5 breakout groups)
10:30 – 11:00	Tea Break
11:00 – 12:30	Wrap-up discussion on future R&D work and capacity building - crossing-cutting projects and initiatives, resources and technical support, priority research areas, coordination and synergy (Plenary)
12:30 – 14:00	Lunch
14:00 – 17:30	Technical visit / local tour

Day 4/ December 5 (Thu)

09:00 – 12:30	WGM, WGH, WGDRR and TRCG meetings (Parallel) <ul style="list-style-type: none"> • AOP 2013 Review and AOP 2014, including Budget and New Priority Projects • Cross-cutting initiatives and issues • Preparation of WGs reports with conclusions and recommendations, including summary of Members Reports to be submitted to the 46th TC Session
12:30 – 14:00	Lunch
14:00 – 17:30	WGM, WGH, WGDRR and TRCG meetings (Parallel) – Cont'd <ul style="list-style-type: none"> • AOP 2013 Review and AOP 2014, including Budget and New Priority Projects • Cross-cutting initiatives and issues • Preparation of WGs reports with conclusions and recommendations, including summary of Members Reports to be submitted to the 46th TC Session

Day 5/ December 6 (Fri)

09:00 – 10:30	Plenary Session : Reports of WGM and WGH
10:30 – 11:00	Tea Break
11:00 – 12:30	Plenary Session : Report of WGDRR and TRCG
12:30 – 14:00	Lunch
14:00 – 15:30	Plenary Session : Discussion of Strategic Plan Review and AOP

15:30 – 16:00	Tea Break
16:00 – 17:30	Plenary Session : Discussion of Strategic Plan Review and AOP (cont'd) Other Business Closing

Day 6/ December 7 (Sat)

09:30 – 12:30	Post-IWS AWG Meeting (for AWG members only).
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Acronym Used in the Provisional Programme

CMA	China Meteorological Administration
ECMWF	European Centre for Medium-Range Weather Forecasts
ESCAP	Economic and Social Commission for Asia and the Pacific
HRFCO	Han River Flood Control Office
ICHARM	International Centre for Water Hazard and Risk Management
IWTC	International Workshop on Tropical Cyclones
JMA	Japan Meteorological Agency
KMA	Korea Meteorological Administration
NOAA	National Oceanic and Atmospheric Administration
NDMI	National Disaster Management Institute
NUIST	National University of Information Science & Technology
PMP	Probable Maximum Precipitation
PWRI	Public Works Research Institute
SMG	Macao Meteorological and Geophysical Bureau
SSOP	Synergized Standard Operating Procedures for Coastal Multi-Hazards Early Warning System
TC	Typhoon Committee
TCS	Typhoon Committee Secretariat
TEXSICA	Typhoon Experiment on Structure and Intensity Changes in the Coastal Area
TRCG	Training and Research Coordination Group
WGDRR	Working Group on Disaster Risk Reduction
WGH	Working Group on Hydrology
WGM	Working Group on Meteorology
WGNE	Working Group on Numerical Experimentation
WMO	World Meteorological Organization