

# **REPORT OF TYPHOON COMMITTEE ROVING SEMINAR 2012 (Seoul, Republic of Korea, 30 Oct – 1 Nov 2012)**

## **I. Organization**

1. The Typhoon Committee Roving Seminar (TCRS) 2012 with the main theme on Tropical Cyclone Damage Assessment and Impact Forecast was successfully held on 30 October - 1 November 2012 in Seoul, Republic of Korea. It was organized by the ESCAP/WMO Typhoon Committee (TC) and hosted by National Disaster Management Institute (NDMI) of Republic of Korea, as part of the International Seminar for Disaster Prevention Cooperation 2012.
2. The TCRS was attended by 20 participants from Republic of Korea (8); Cambodia (2); China (2); Hong Kong, China (1); Macao, China (1); Malaysia (1); Philippines (1); Thailand (2); Viet Nam (2). Apart from three resource persons provided by NDMI, there were two guest lecturers from China and Hong Kong, China, along with the representative from the TC Secretariat. The TC Secretary also attended the TCRS as an invited speaker for the International Seminar. The list of participants is given in Attachment A.

## **II. Opening**

1. The official opening of the International Seminar was held in the International Conference Room of the Central Government Complex at 10:30 on 30 Oct. Soon after the opening, the TCRS participants had the opportunity to attend the keynote lectures presented by the invited speakers on various topics related to disaster management.
2. The official opening of TCRS was held separately at 16:40 on 30 Oct and was officiated by the President of NDMI, Mr. Woon-kwang Yeo, and the TC Secretary, Mr. Olavo Rasquinho. Mr. Yeo delivered the opening speech stressing the importance of international cooperation and expressed that NDMI would be willing to provide continuous support to TC. Mr. Rasquinho in his opening message stressed the importance of TCRS and expressed his sincere appreciation to NDMI for the support to host the TCRS and for the resource persons provided by China Meteorological Administration (CMA), Hong Kong Observatory (HKO) and NDMI.

## **III. Seminar Programme**

1. On the first day of the International Seminar, the TCRS participants had the opportunity to attend the following keynote lectures:

- Post-2015 International Cooperation for Disaster Reduction Strategy by Mr. Glenn Dolcemascolo (USA);
  - Strategies for International Cooperation Research for DRR and the Role of UNESCAP/WMO Typhoon Committee by Mr. Olavo Rasquinho (TCS);
  - Integrated Volcanic Risk Management and International Approach with the MIAVITA Project by Dr. Pierre Thierry (France);
  - 2011 East Japan Earthquake and Lessons Learnt by Dr. Yoshimitsu Okada, NIED (Japan);
  - Disaster Mitigation and Emergency Operation – The Technology Improvement after Typhoon Morakot by Dr. Hongey Chen, NCDR (Taiwan);
  - Recent Volcanic Crises in the USA and Europe: Some Cases Studies by Dr. Bruce Houghton, NDPTC (USA);
  - CBDRM for Community Preparedness Strengthening Community Preparedness Around Disaster-Prone Areas of Merapi Volcano, Central Java - Case Study by Dr. Eko Teguh Paripurno (Indonesia).
2. In the TCRS, three resource persons from NDMI presented Topic A on “ Landfall impact and damage assessment”. Ms. Xu Jing of CMA presented Topic B on “High impact weather and natural hazards induced by tropical cyclones”. Mr. W.K. Wong of HKO presented Topic C on “Utilization of NWP products for operational forecasting of tropical cyclone high impact weather”. The TCRS programme can be found in Attachment B.
  3. During the wrap-up discussion the lecturers and participants reviewed and commented on the arrangement of TCRS as well as the materials presented in the lectures.

#### **IV. Proposals and Recommendations**

1. Even though the time allocated for the lectures of the Roving Seminar was shortened as a result of the activities held together with the International Seminar, all participants commented that the keynote lectures of the International Seminar were useful and served to broaden their knowledge and understanding on disaster management.
2. The participants warmly appreciated the effort made by the resource persons to provide new ideas and insight on the topics discussed.
3. Most of the participants felt that skills and knowledge learnt would lead to operational benefits in their services, and the majority thought such benefits could be felt within the next five years. Feedbacks and recommendations collated from the participants are summarized in Attachment C.
4. Suggestions from the resource persons for future reference: (a) similar academic background or experience among the participants so as to make the lectures more effective; (b) lecturers with operational background in public weather

services and tropical cyclone forecasting; (c) more practical and interactive sessions; and (d) satellite techniques in tropical cyclone analyses and forecasts.

## **V. Closing**

1. The participants expressed their gratitude and appreciation to NDMI for the warm hospitality and successful hosting of TCRS, and appreciated very much the opportunity of a field trip to the De-militarized Zone (DMZ). They also expressed their thanks to the TC Secretariat and the local staff from NDMI for the excellent arrangement of the Seminar.
2. Dr. Jae-Hyun Shim, Director of Disaster Research Division of NDMI, and Mr. Olavo Rasquinho, TC Secretary, presented the certificates of attendances to all the participants and delivered the closing remarks.
3. The seminar was officially closed at 16:40 on 1 Nov.

List of Participants of Typhoon Committee Roving Seminar 2012  
(Seoul, Republic of Korea, 30 Oct – 1 Nov 2012)

<b>Member</b>	<b>Name of Participants</b>
Cambodia	Khoeun Sokhom
Cambodia	So Im Monichoth
China	Shanshan Zhao
China	Xiurong Wang
Hong Kong	Yeung Ho Keem
Macau	Lao Weng Wa
Malaysia	Maziah Mat
Philippines	Aldczar D. Aurelio
Thailand	Prapaporn Wongsaming
Thailand	Boobthum Tanglumlead
Viet Nam	Nguyen Van Huong
Viet Nam	Lap Bui Dinh
Republic of Korea	Yuntae Kim
Republic of Korea	Chihun Lee
Republic of Korea	Taekjo Ko
Republic of Korea	Hoon Lee
Republic of Korea	Kyungjun Kim
Republic of Korea	Seung Yong Cho
Republic of Korea	Do Joon Jung
Republic of Korea	Sumin Choi
Resource Person	Dr. Xu Jing, CMA
Resource Person	Mr. Wai Kin Wong, HKO
Resource Person	Dr. Jae Hyun Shim, NDMI
Resource Person	Dr. Ji Tae Kim, NDMI
Resource Person	Dr. Jong Kook Lee, NDMI
TCS	Mr. Olavo Rasquinho
TCS	Mr. Derek Leong

## UNESCAP/WMO Typhoon Committee Roving Seminar

10.30 (Tue) / Central Government Complex Annex 2nd floor small conference room

10.31 (Wed) to 11.1 (Thu) / NDMI 2nd Floor Conference Room

Time	Program	Speaker
Oct. 30(Tue), Central Government Complex Annex 2F Room 204		
16:40~17:00 (20')	[Opening Ceremony] – Opening Address – Congratulatory Address – Photo Time	President, NDMI Olavo Rasquinho, TCS
17:00~17:50 (50')	[Technical Session I] NDMI's DRM Strategies for Building Resilience	Dr. Jae Hyun Shim, NDMI
Oct. 31(Wed), NDMI 2F Conference Room		
09:00~09:40 (40')	[Technical Session II] Early Warning on Landslides Induced by Typhoon Heavy Rainfall – I	Dr. XU Jing, CMA
09:40~09:50 (10')	Coffee break	
09:50~10:30 (40')	[Technical Session III] Early Warning on Landslides Induced by Typhoon Heavy Rainfall – II	Dr. XU Jing, CMA
10:30~12:00 (90')	[Technical Session IV] Application and Development of TCDIS for DRM	Dr. Ji Tae Kim, NDMI
Nov. 1(Thu), NDMI 2F Conference Room		
09:00~09:50 (50')	[Technical Session V] Early Warning on Landslides Induced by Typhoon Heavy Rainfall – III	Dr. XU Jing, CMA
09:50~10:00 (10')	Coffee break	
10:00~10:50 (50')	[Technical Session VI] Chasing and Assessing Typhoon BOLAVEN with Smart IT and SNS	Dr. Jong Kook Lee, NDMI
10:50~11:00 (10')	Coffee break	
11:00~12:00 (60')	[Technical Session VII] Overview of NWP Products for Forecasting of TC High Impact Weather	Dr. Wai Kin WONG, HKO
12:00~13:30 (90')	The Luncheon	
13:30~14:20 (50')	[Technical Session VIII] Use of NWP in TC High Impact Weather: Quantitative Precipitation Forecast	Dr. Wai Kin WONG, HKO
14:20~14:30 (10')	Coffee break	
14:30~15:20 (50')	[Technical Session IX] Use of NWP in TC High Impact Weather: Wind	Dr. Wai Kin WONG, HKO
15:20~16:30 (70')	[Wrap-up Meeting]	

**TRCG ACTIVITIES EVALUATION FORM**  
 Roving Seminar 2012  
 (Seoul, Republic of Korea, 30 Oct – 1 Nov 2012)

**20 responses out of 20 participants + 2 responses out of 2 resource persons (non-local)**  
**(not all questions answered by responders)**

**Part A: Event Logistics**

<i>Expectation levels as indicated number of responders</i>	Below expectation ☹		Met expectation ☺		Exceeded expectation ☺	
	P	R	P	R	P	R
	<i>(P = participants; R = resource persons)</i>					
1. Overall administration/organization	0	0	1	0	19	2
2. Pre-event arrangement and liaison	0	0	3	0	17	2
3. Venue facilities	0	0	6	2	14	0
4. Informative announcements and instructions	0	0	4	2	16	0
5. Travel arrangements	0	0	6	2	14	0
6. Funding arrangements	0	0	3	1	16	1
7. Accommodation	1	0	5	1	14	1
8. Refreshments	0	0	3	0	17	2
9. Social events and visitors' information	0	0	3	1	17	1
10. Helpfulness and friendliness of organizers	0	0	1	0	19	2

**Specific points for improvement, if any:**

More practice sessions

Lecturers with forecasting experience in public weather services and tropical cyclones

Use of satellite data in tropical cyclone analyses and forecast (winds, rainfall, intensity)

Visits to facilities to learning operational procedures/activities relating to tropical cyclones

Formulation of alternative scenarios based on EPS

Provide CD of the powerpoints

More information about the assessment methods or models for typhoon disasters

More background on NDMI role in government structure

Provide wifi internet

City map in English

Travelling guidance and support from airport to hotel

## Part B: Technical Contents (from participants only)

A – Lectures by NDMI resource persons  
 B – Lectures by J. Xu  
 C – Lectures by W.K. Wong

A	B	C
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Interest in Topic (1 to 5 ; from disinterested to most interested)			
Topic Contents (1 to 5 ; from irrelevant to topic to most relevant)			
Topic Organization (1 to 5 ; from loosely structured to well-structured)			
Lecture/Workshop Presentation (1 to 5 ; from poor to excellent)			
Training or Practical Material (1 to 5 ; from ill-prepared to well-prepared)			
Language (1 to 5 ; from hard to understand to easy to follow)			
Effectiveness (1 to 5 ; from little understanding gained to much understanding gained)			

Objectives and Scope (L = too narrow; M = just right; R = too wide)			
Emphasis (L = too theoretical; M = just right; R = too practical)			
Length (L = too short; M = just right; R = too long)			
Technical level (L = too elementary; M = just right; R = too difficult)			

## Part C: Follow-ups (from participants only)

1. What operational benefits (new ideas, skills or methodology) you think would be gained from your attendance in the event?

- knowledge and understanding in disaster reduction
- risk assessment method about landslide or debris flow
- forecast information/data of tropical cyclones and tides from internet
- methods for monitoring areas susceptible to landslides
- forecast of possible occurrence of landslides
- landslide forecast modeling with GIS application on different scales
- NWP products very helpful but not sure about quality of data especially over oceans
- knowledge on typhoons, volcanoes, landslides and DMZ
- good ideas, skills and methodology
- new ideas to improve disaster management
- integrated approach in disaster prevention and reduction
- forecasting of natural hazards

2. Any foreseeable opportunity for operational implementation of the above benefits?

Answer: Yes, benefits likely to be felt in about

- |                                |   |
|--------------------------------|---|
| (a) a couple of years or less  | 8 |
| (b) in 2 – 5 years             | 6 |
| (c) in 5 years or more         | 5 |
| (d) no foreseeable opportunity | 1 |





Participants attending a presentation at TCRS 2012



TCRS 2012 Group Photo