

Application of Information Technology on Disaster Risk Reduction and Emergency Preparedness

International Training Workshop for Natural Disaster Reduction 2012

5/14 (Monday)

9:00-9:30	Registration
9:30-9:50	Opening Tsung-Tai Lin (Director General of Department of International Cooperation, NSC) Liang-Chun Chen (Director of National Science and Technology Center for Disaster Reduction)
9:50-10:20	Introduction & Photo shooting All participants
10:20-10:40	Break
10:40-12:20	Keynote Speech Chris Chiesa (Deputy Executive Director of Pacific Disaster Center) (50 minutes) Manu Gupta (Chairperson of Asian Disaster Reduction & Response Network) (50 minutes)
12:00-13:30	Lunch
13:30-15:00	Session 1: Information technologies on disaster risk reduction and emergency preparedness Overview of information technologies on disaster reduction in Taiwan Hseuh-Cheng Chou (Division Head of National Science and Technology Center for Disaster Reduction) (45 minutes) Introduction of Taiwan Climate Change Projection and Information Platform Project (TCCIP) Huang-Hsiung Hsu (Research Fellow of Research Center for Environmental Changes, Academia Sinica) (45 minutes)
15:00-15:30	Break
15:30-17:00	Session 2: Remote sensing technique for disaster surveillance and mitigation Satellite Remote Sensing Infrastructure for Disaster Mitigation in Taiwan Liang-Chien Chen (Director of Center for Space and Remote Sensing Research) (45 minutes) FORMOSAT-2 in Support of Emergency Response Bo Chen (Division Chief of National Space Organization) (45 minutes)
5/15 (Tuesday)	
9:00-10:30	Session 3: National geospatial information and GIS Towards the Development of NGIS Jung-Hong Hong (Prof. of Department of Geomatics, National Cheng Kung University) (45 minutes) What Kinds of Geological Hazard Data in CGS' Database Li-Yuan Fei (Division Chief of Central Geological Survey) (45 minutes)
10:30-10:50	Break
10:50-12:20	Session 4: Environmental monitoring systems

	<p>1. Yeu-Woo Lin (Director of Planning Division, Central Weather Bureau) (45 minutes)</p> <p>Taiwan's Response Action to Flood Prevention</p> <p>Ming-Chang Shieh (Director of Water Hazard Mitigation Center, WRA) (45 minutes)</p>
12:00-13:30	Lunch
13:30-15:00	<p>Session 5: Specific disaster warning systems</p> <p>Hsiao-Yuan Yin (Section Chief of Soil and Water Conservation Bureau)</p> <p>Early-warning mechanism for highway hazard mitigation during Extreme Weathers</p> <p>Chin-Fa Chen (Directorate General of Highways) (45 minutes)</p>
15:00-15:30	Break
15:30-17:00	<p>Session 6: Innovation disaster management systems</p> <p>2012 An open and interoperable disaster management system for Big Data</p> <p>Tien-Yin Chou (Director of GIS Research Center, Feng-Chia University) (45 minutes)</p> <p>3D GIS Taiwan on Cloud Service</p> <p>Whey-Fone Tsai (Research Fellow of National Center for High-Performance Computing) (45 minutes)</p>
5/16 (Wednesday)	
9:00-11:00	<p>Keynote Speech</p> <p>Jemilah Mahmood (President of Mercy Malaysia)</p> <p>Building resiliency, providing response and driving recovery in times of mass-collaboration and networked intelligence</p> <p>Gisli Olafsson (Emergency Response Director of NetHope) (50 minutes)</p>
11:00-11:20	Break
11:20-12:10	<p>Session 7: Open source disaster relief management system</p> <p>Slayer Chaung (Manager of Department Manager, Academia Sinica/ITRI) (45 minutes)</p>
12:00-13:30	Lunch
13:30-15:00	<p>Experience Sharing (I)</p> <p>Thailand -RMUTL (30 minutes)</p> <p>Philippines - Manila Observatory (20 minutes)</p> <p>Malaysia- CRSM secretary (20 minutes)</p>
15:30-17:00	<p>Experience Sharing (II)</p> <p>Panama-(20 minutes)</p> <p>Peru-(20 minutes)</p> <p>Vietnam-(20 minutes)</p> <p>Indonesia- (20 minutes)</p>
5/17 (Thursday)	
9:00-17:00	<p>Field Trip:</p> <p>National Space Organization (HsinChu City) & Center for Space and Remote Sensing Research</p>

	(JhongLi City)
5/18 (Friday)	
9:00-10:10	Hands on exercise (I): Potential Map Hsin-Chi Li (Associate Research Fellow National Science and Technology Center for Disaster Reduction)
10:10-10:30	Break
10:30-12:00	Hands on exercise (II): Hazard map Hsin-Chi Li (Associate Research Fellow National Science and Technology Center for Disaster Reduction)
12:00-13:30	Lunch
13:30-15:00	Hands on exercise (III) : Disaster Management System Slayer (Manager of Industrial Technology Research Institute)
15:00-15:30	Break
15:30-17:00	Closing and Evaluation