

**Application of Information Technology on  
Disaster Risk Reduction and Emergency Preparedness**  
International Training Workshop for Natural Disaster Reduction  
**2012**

5/14 (Monday)

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

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

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