

**Pre-Symposium Workshop on  
SPACE-BASED INFORMATION FOR DISASTER PREPAREDNESS AND RISK  
MANAGEMENT**

**2-3 October 2010, ICIMOD Headquarters, Kathmandu, Nepal**

**PROGRAMME**

<b>DAY 1 – OCTOBER 2, 2010 (SATURDAY)</b>		
<b>Opening Session</b>		
09:00 – 09:30	Registration	Liza Manandhar
09:30 – 09:40	Opening and Introduction of Participants	Dr. Amarnath Giriraj, MENRIS, ICIMOD
09:40 – 09:55	Welcome Address	Dr. Andreas Schild, Director General, ICIMOD
09:55 – 10:05	Workshop purpose, Objectives and Expected Outcomes	Dr. Amarnath Giriraj
10:05 – 10:25	Space-based Information for Disaster Management in the Hindu Kush-Himalayan Region	Mr. Basanta Shrestha, Division Head, MENRIS
10:25 – 10:30	Inauguration of JAXA-WINDS Receiving Station at ICIMOD	
10:30 – 11:00	Photo session and Tea break	
<b>Technical Session I: Overview of Space Technology and Disaster Management</b>		
<i>Chair: Dr. Mohammad Asif Khan, Director, University of Peshawar, Pakistan</i>		
<i>Co-chair: Dr. Sreeja Nair, SAARC Disaster, India</i>		
<i>Rapporteur: Mr. Ghazanfar Khattak, MENRIS, ICIMOD</i>		
11:00 – 11:20	Spatial data to complement the use of space-based information for disaster management	Dr. Shirish Ravan, UN-SPIDER, Austria
11:20 – 11:40	National Disaster monitoring and reduction by Indian Space Agency	Mr. G. Rajashekar, National Remote Sensing Centre, India
11:40 – 12:00	Application of Satellite Data & GIS for Natural Hazard and Risk Assessment	Mr. Anisur Rahman, ADPC, Thailand
11:40 – 12:00	Pakistan Floods: Rapid Response Mapping Efforts by ICIMOD	Amarnath Giriraj, ICIMOD, Nepal
12:00 – 12:20	ICT on Early warning for GLOF in Himalayan region	Prof. Fukui, Keio University, Japan
12:20 – 13:00	Discussion	
13:00 – 14:00	<b>Lunch Break</b>	
<b>Group session I: Space based Information for disaster management in the HKH region and role of ICIMOD</b>		
14:00 – 17:00	This session is intended to assess the capability and use of space-based information	

	<p>in disaster preparedness and risk management by national partners in the region and identify ways and means to synergize the cooperation with by regional and global space agencies, regional and international partners and discuss the ways to benefit from the international charter on "space for major disasters". The group discussion is expected to bring-in experiences and learning from the region and beyond on recent disasters and other regions of the world in accessing and using space based information for both pre-disaster and post-disaster activities. The group discussion will focus on promoting regional cooperation on information sharing and exchange for disaster management. The participants will be divided into four groups deliberating on the topics (but not limiting to) mentioned below:</p> <ul style="list-style-type: none"> <li>• Identify strategies to bridge the gap between the space technology (information) and the disaster management communities among the regional member countries of ICIMOD;</li> <li>• Improve the communication and coordination among regional and international stakeholders regarding access to and use of space-based information during major disasters;</li> <li>• Identify gaps and needs to strengthen national institutions and capacity building in utilizing space based information for disaster preparedness and risk management;</li> <li>• Role of regional organization like ICIMOD on space-based information for disaster preparedness and risk management.</li> </ul>
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## **DAY 2 : OCTOBER 3, 2010 (SUNDAY)**

### **Technical Session II: Remote Sensing approach for disaster risk management in the Himalayan region**

Chairperson:	Mr. Vivek Saxena, Director, MoEnF, India	
Co-Chair:	Mr. Wu Wei, NDRCC, China	
Rapporteur:	Mr. Ghazanfar Khattak, MENRIS, ICIMOD	
09:00 – 09:20	Forest fire detection and monitoring using earth observation data in HKH	Dr. Yusuf Hussin, ITC, Netherland
09:20 – 09:40	Multi-source and Multi-temporal Remote Sensing in Wenchuan Earthquake	Dr. Jianqiang Zhang, IMHE, China
09:40 – 10:00	Monitoring of GLOF using remote sensing data for hazard / risk assessment in the Himalayan region	Mr. Pradeep Mool, IWHM, ICIMOD
10:00 – 10:20	Regional Flood Forecasting and Early Warning	Mr. Hari Krishna, IWHM, ICIMOD
10:20 – 10:40	Discussion	
10:40 – 11:00	Tea Break	
11:00 – 13:00	Plenary Session: Regional framework / cooperation for utilizing space based information in disaster preparedness and risk management	
	Chairperson :ICIMOD Co-chairperson: UN-SPIDER	
11:00 – 11:40	Group Presentation (10 minutes each from day I)	
11:40 – 12:50	Discussion	
12:50 – 13: 00	Closing Remarks	
13:00 – 14:00	<b>Lunch</b>	

