Dear Friends,

Pleased to share with you the **ICIMOD Earthquake Brief: 10 June 2015**. It is also available on our website at [http://www.icimod.org/?q=18651](http://www.icimod.org/?q=18651).

Feel free to share it among your network members and others who may be interested in the update.

Thank you.

Best regards,

Nasana

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**ICIMOD Earthquake Brief: 10 June 2015**

[http://www.icimod.org/?q=18651](http://www.icimod.org/?q=18651)

ICIMOD continued to support, coordinate and rally the broad regional and international teams in the ongoing post-disaster reconstruction and rehabilitation efforts of the Government of Nepal. The ICIMOD Task Force on Geo-hazards continued to map and assess hazards created by landslides, rock falls, and avalanches in the aftermath of the two earthquakes of 25 April and 12 May 2015.
Among others, ICIMOD worked with teams from the Governments of India (Indian Space Research Organization – ISRO), China (Chinese Academy of Sciences), and Nepal, as well as other bodies like the National Aerospace and Space Administration (NASA), the University of Arizona, United States Agency for International Development (USAID), Esri, Japan Aerospace Exploration Agency (JAXA), Digital Globe, Disaster Charter, and the US Geological Survey (USGS).

The maps and reports developed by ICIMOD are available on the Centre’s website: www.icimod.org/nepalearthquake2015. You are welcome to download the maps and other information including stories from our website for your research and other purposes.

**Nepal Earthquake 2015: Disaster Relief and Recovery Information Platform**

- The ‘Nepal Earthquake 2015: Disaster Relief and Recovery Information Platform’ (NDRRIP), jointly developed by the Government of Nepal and ICIMOD with technical support from the Environmental System Research Institute (Esri), was formally adopted by the Ministry of Home Affairs (MoHA) as part of its ‘Nepal DRR Portal’ (http://apps.geoportal.icimod.org/ndrrip).

- The NDRRIP aims to contribute to the nationwide reconstruction and rehabilitation operations by enabling rational planning and decision-making for resource allocation and mobilisation, and in fostering coordination among the various actors on the ground.

- The NDRRIP acts as a unified information hub with regional and global partners including space agencies, UN organizations and International Charter, donor agencies, academic and research organizations, relief organizations, local NGOs, private sector organizations, and the civil society.

- The Platform provides overall snapshot using interactive maps and infographics at multiple levels and capturing key facts and figures regarding demography and damage (with interactive visualization before and after the disaster at the household level), needs assessment and the response required, and rapid damage assessment.

- The NDRRIP also provides information regarding various relief organizations
active on the ground by geographic region and key related useful links on Nepal Earthquake 2015.

- With support from key partners, ICIMOD is providing technical support to coordinate and integrate relevant data and information from multiple sources to the Government of Nepal. These include high resolution satellite imageries, ancillary and field level data including crowdsourced information with mobile devices, high resolution aerial imagery sourced from the Unmanned Aerial Vehicle missions, as well as the data sourced from the social media and the Internet, among others.

- ICIMOD continued to provide maps of affected areas to both Government and non-Government agencies to support their relief and rehabilitation efforts. As of 9 June, about 120 maps and information products were provided to various institutions and individuals including the Office of the Prime Minister and Council of Ministers.

Geo-hazard Assessment

- The Expert Group formed by the Government of Nepal carried out the ‘Rapid Reconnaissance Survey’ of the earthquake-affected districts of Dolakha, Rasuwa, Nuwakot, Dhading, Sindhupalchowk, and Gorkha. The Expert Group had 18 teams with representatives from various ministries and departments, including experts from ICIMOD. The teams visually inspected settlement areas, assessed risk of landslide, collected photographs, and mapped landslide areas. They also identified critical settlement areas for temporary relocation.

- The Expert Group prepared a field report for which more than 40 complimentary maps were prepared at ICIMOD. These maps show instabilities and possible relocation sites for high-risk human settlements. All the field data from the Survey are featured on NDRRIP.

- The Draft Report was presented by Department of Mines and Geology (DMG) to the Ministry of Home Affairs, Government of Nepal, on 8 June 2015 in the presence of two Deputy Prime Ministers, Prakash Man Singh and Bam Dev Gautam. At the same time, ICIMOD demonstrated the online application of landslide hazard assessment to the gathering.
- An international team of experts supported by ICIMOD examined the condition of Nepal’s most dangerous glacial lakes. Over 300 lakes were examined and a report prepared. This report provides an update of the situation at Tsho Rolpa and Imja Tsho, and the potential of a glacial lake outburst flood (GLOF) from them. Tsho Rolpa has been especially worrisome due to its location near the epicenter of the largest aftershock.

- Study of a satellite image of Tsho Rolpa taken on 17 May – five days after the nearby magnitude 7.3 aftershock – by NASA’s EO-1 satellite, and more recently by the Japan/U.S. instrument ASTER (Advanced Spaceborne Thermal Emission and Reflection Radiometer) aboard the NASA Terra satellite, shows no definitive evidence that Tsho Rolpa’s moraine or other parts of the glacier or lake had been damaged. However closer monitoring is required. For more details, please visit: http://www.icimod.org/?q=18604.

**Visits**

- On Thursday 4 June, a six-member delegation led by the Geological Survey of India and facilitated by the Indian Embassy in Kathmandu and coordinated by the National Disaster Management Authority (NDMA) visited ICIMOD. The team was in Nepal to explore the possibility of helping the Government of Nepal to develop rapid landslide susceptibility maps. Since the monsoon season has almost begun, developing meaningful landslide susceptibility maps, and identifying landslide prone areas and safe sites for relocation is crucial. These maps will help make appropriate decisions with actionable information for 14 highly impacted districts.

- On Monday 1 June, the Executive Director and CEO of the Asian Institute of Technology (AIT) Consulting, Dr Naveed Anwar, visited ICIMOD to explore possibilities for collaborative and integrated approach for reconstruction and rehabilitation pilot activities in Nepal using the AIT Habitech building system technology.

- Besides, a number of departments from various Government ministries, UN organizations, donor agencies, universities and academic institutions, civil society organizations, and interested private sector organizations are paying visit to ICIMOD to learn about the Centre’s ongoing efforts on earthquake disaster response.
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