

Post Nepal Earthquake Landslide Inventory

Consultative Workshop on Landslide Inventory, Risk Assessment, and Mitigation in
Nepal, 28-29th, September 2015. Kathmandu, Nepal

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ICIMOD

Kathmandu, Nepal

Acknowledgement

Thanks to ICIMOD led volunteers who contributed immensely during the crucial period.

They were force behind the scene.

Initial landslide mapping exercise....

- USGS-NASA lead team,
- British Geological Society;
- India:
 - Indian Space Research Organization,
 - Indian Institute of Technology,
- Japan Aerospace Exploration Agency
- Institute of Mountain Hazards and Environment, China,
- ICIMOD led volunteers;

1422 landslide, Sindhupalchowk district (Source: ISRO)



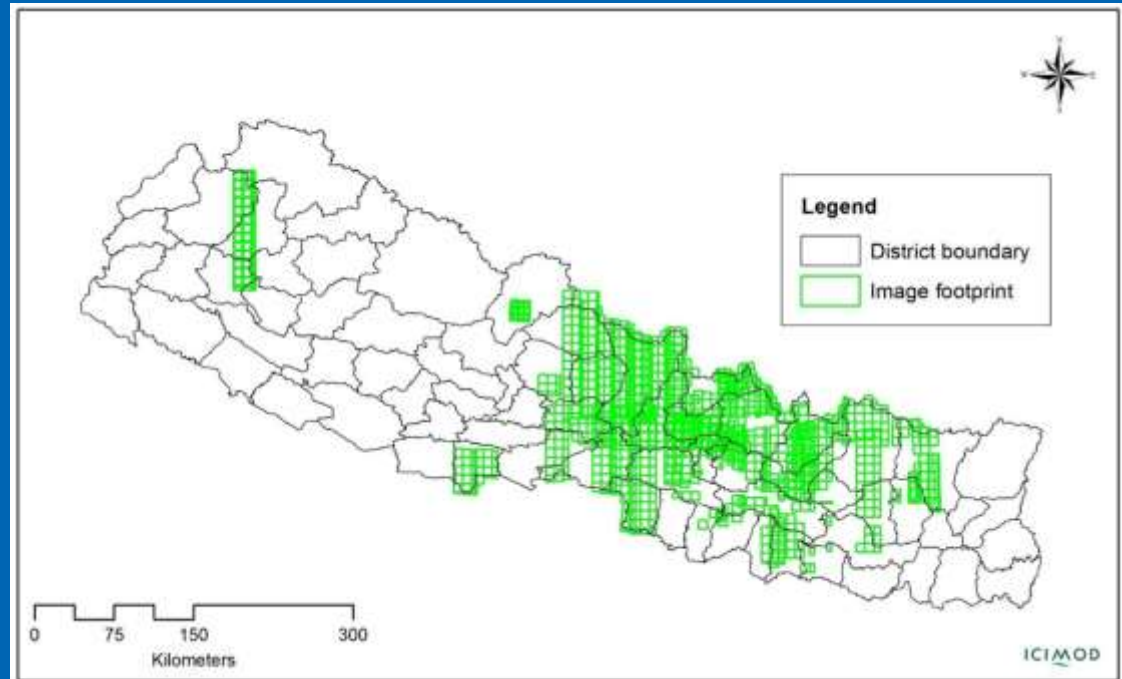
Method/Data

Method:

- Visual interpretation,

Data:

- World View – 1,2,3
- EO-1
- Geo-Eye



Foot print of images received

Shift from desk top to online mapping environment

In about 2 to 3 weeks time the team shifted from ArcGIS environment to Google Earth

- Band with limitation & management challenges,
- Geo-referencing and co-registration issue,
- Volunteers comfortable with Google Earth environment.



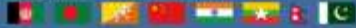
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Message from the Director General

Settlement Maps (District)

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2 0 1 5



MAJOR EARTHQUAKES



NEPAL EARTHQUAKE



Geo Hazards

In the aftermath of the 7.8 magnitude earthquake that struck Nepal on 25 April 2015, numerous landslides have occurred in the steep mountains and hills throughout the earthquake impacted zone. These landslides have not only impacted people and built

Disaster Recovery and Reconstruction Information Platform

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Challenges

- Inconsistencies in mapped product – no guidelines,
- No data sharing mechanisms/platforms/protocols,
- No feedback looping mechanism,

A scenic landscape featuring a town in the foreground and a range of snow-capped mountains in the background under a clear blue sky. The town consists of numerous buildings, some with red roofs, nestled among green trees and fields. The mountains are rugged and covered in snow, with some peaks appearing to be illuminated by a low sun, creating a golden glow. The sky is a deep, clear blue.

THANK YOU