

Engagement with UN-SPIDER in South Asia Region: Bangladesh, Bhutan, Nepal & Myanmar

United Nations International Conference on Space-based Technologies for Disaster Risk
Reduction – “Understanding Disaster Risk”
Beijing, China, 19 - 21th September, 2016

Deo Raj Gurung

International Centre for Integrated Mountain Development

ICIMOD

Kathmandu, Nepal

International Centre for Integrated Mountain Development (ICIMOD)

ICIMOD

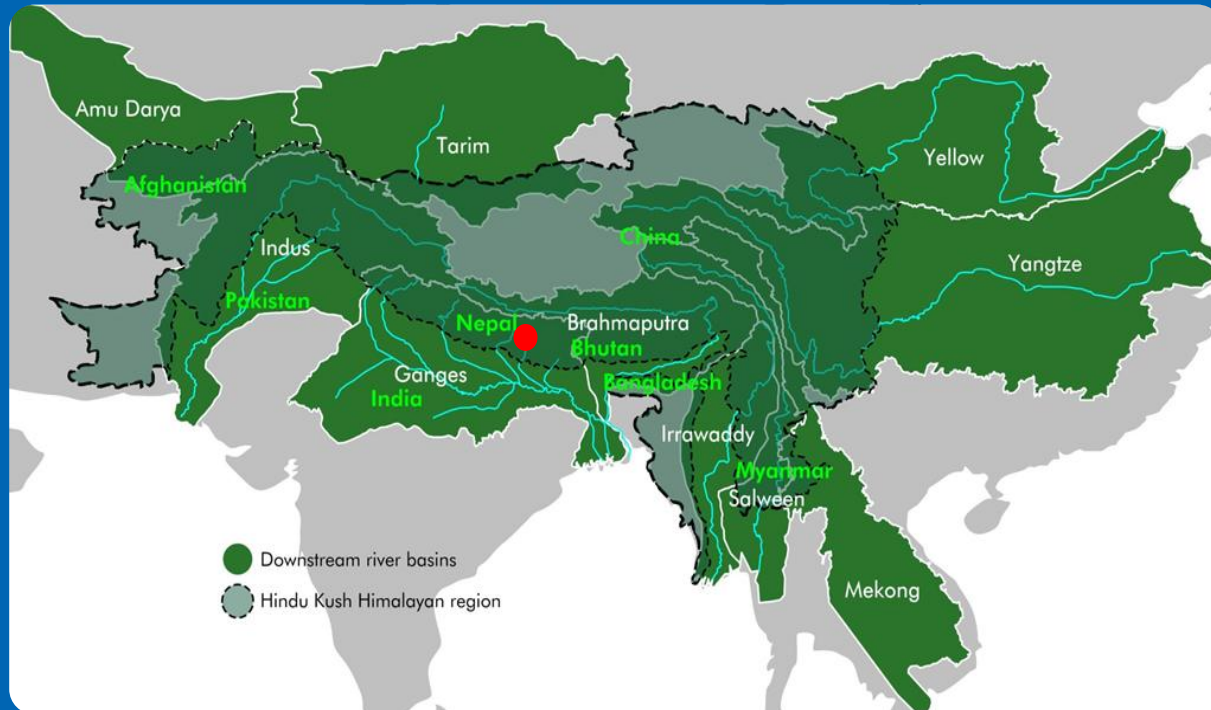
FOR MOUNTAINS AND PEOPLE

Vision

Men, women, and children of the Hindu Kush Himalayas enjoy improved wellbeing in a healthy mountain environment.

Mission

To enable sustainable and resilient mountain development for improved and equitable livelihoods through knowledge and regional cooperation.



Member states:

Afghanistan, Bangladesh, Bhutan, China, India, Myanmar, Nepal & Pakistan

The beginning....

- ICIMOD became Regional Support Office (RSO) of UNSPIDER in 2011/12
- The partnership benefits from organizational strength

Sustained focus.....

- Sustained focus of partnership is on promoting use of earth observation(EO) and geo-informatics (GIS & RS) in disaster risk reduction (DRR)
- Joint activities:
 - ✓ Provisioning of satellite images during disaster
 - ✓ Training events/sensitization workshop
 - ✓ Technical Advisory Mission (TAM)
 - ✓ Resource sharing for joint events

Joint events....

Statistics (6):

- Bangladesh (2)
- Bhutan (2)
- Myanmar (2)
- Nepal (1)



ICIMOD

Training Manual on
Landslide Hazard Mapping
using Logistic Regression

THE HAZARDOUS JOB SERIES

National Training on "Exploring the use of Earth observation data and modelling in disaster risk mapping"

Training venue: Nay Pyi Taw, Date: 28 June – 1 July, 2016

Organized by: Relief and Rehabilitation Department (RRD), Ministry of Social Welfare, Relief and Reconstruction, and UN-SPIDER with contribution from ICIMOD, UN-HABITAT, NDRCC and ADPC

Bangladesh

- Use of EO/RS for DRR - 2013
- EO for Damage and loss assessment - 2015



UNITED NATIONS
Office for Outer Space Affairs



TRAINING PROGRAMME

"EARTH OBSERVATION TECHNOLOGIES FOR DISASTER DAMAGE AND LOSS ASSESSMENT"

5-9 APRIL 2015, DHAKA, BANGLADESH

Bangladesh - Technical Advisory Mission



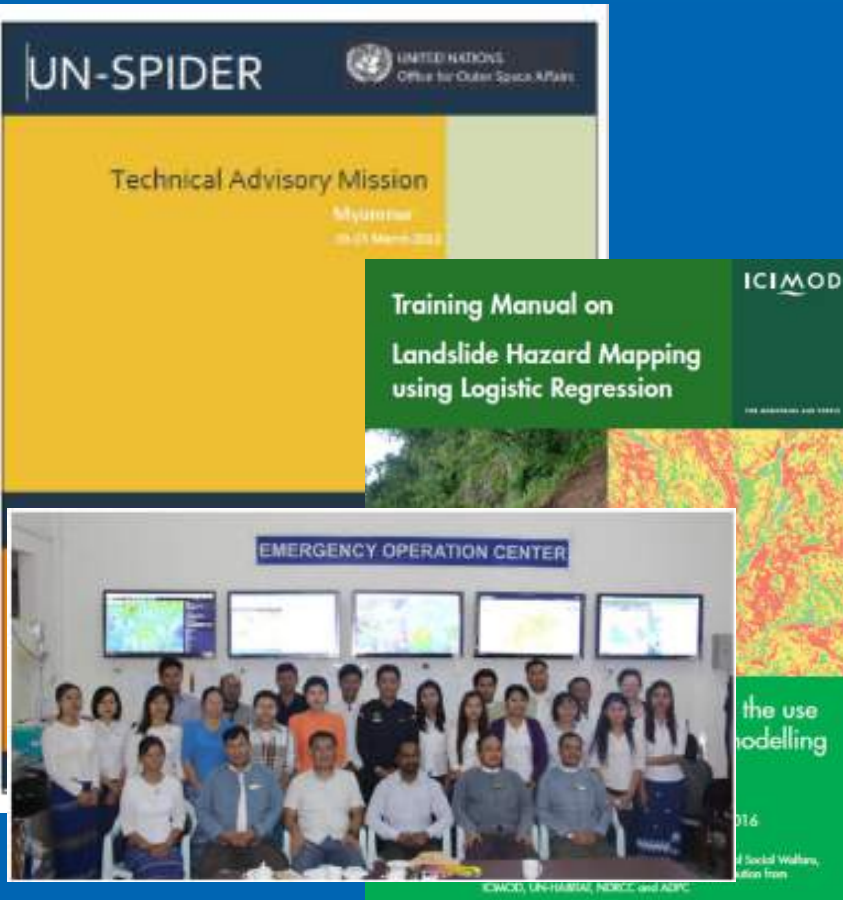
Bangladesh is exposed to floods due to cyclones and monsoons, droughts, landslides and storm surges. To reduce the impacts of these events, Bangladesh has incorporated **disaster-risk reduction and preparedness** into all national policies, planning and programmes. At the invitation from the Disaster Management and Relief

Division of the Government of Bangladesh, UN-SPIDER conducted a Technical Advisory Mission to evaluate the strengths and challenges related to the access and use of space technologies and **space-based information** for effective disaster management.

Myanmar

Mission follow up

- Training on use of Geo-informatics in DRR (2013)
- High level sensitization workshop on use of spaced based tools and techniques for DRR (2016)
- Training on use of Geo-informatics for landslide hazard mapping (2016)



Technical advisory mission in Bhutan

Mission follow up

Bhutan - Technical Advisory Mission



At the request of the Department of Disaster Management (DDM), Ministry of Home and Civil Affairs (MoHCA), Royal Government of Bhutan, UN-SPIDER organized a Technical Advisory Mission to Bhutan to evaluate the current and potential use of space-based information in Bhutan and to strengthen all aspects of disaster risk management and

emergency response through better access to space-based information.

2-6 June 2014

- 20 professionals from different relevant agencies trained in flood risk management at IIRS, Dehradun in 2014.
- Training on use of Geo-informatics on Landslide Hazard/Vulnerability Mapping in 2015.



SERVIR HIMALAYA



ICIMOD

Report on
“Regional Training on Multi-level Flood Risk Mapping”
ICIMOD and UNOOSA Joint Training Program
09-13 June 2014



Future prospect

- To work on strengthening establishing institutional mechanism for emergency response:
 - ✓ Standard Operating Procedure (SoP)
- High level sensitization workshop:
 - ✓ High level policy dialogue

THANK YOU

