

Nepal Earthquake 2015: Innovative Information Platform for Disaster Response and Recovery

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UN International Conference on Space-based Technologies for Disaster
Management, 14-16 September Beijing

International Centre for Integrated Mountain Development

Kathmandu, Nepal

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Nepal Earthquake 2015

An unprecedented catastrophic event in recent history

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7.8 magnitude
15 km deep



April 25, 2015
11:56 AM



Barpak,
Gorkha, Nepal
350+ aftershocks



8,856+ Total death
22,309+ Total injury



604,930+
houses destroyed
288,856+
houses damaged



2,000+
landslides mapped



10% GDP Loss

A Tragedy, Trigger for Change – An Opportunity

Information Debris

Making Sense of It All

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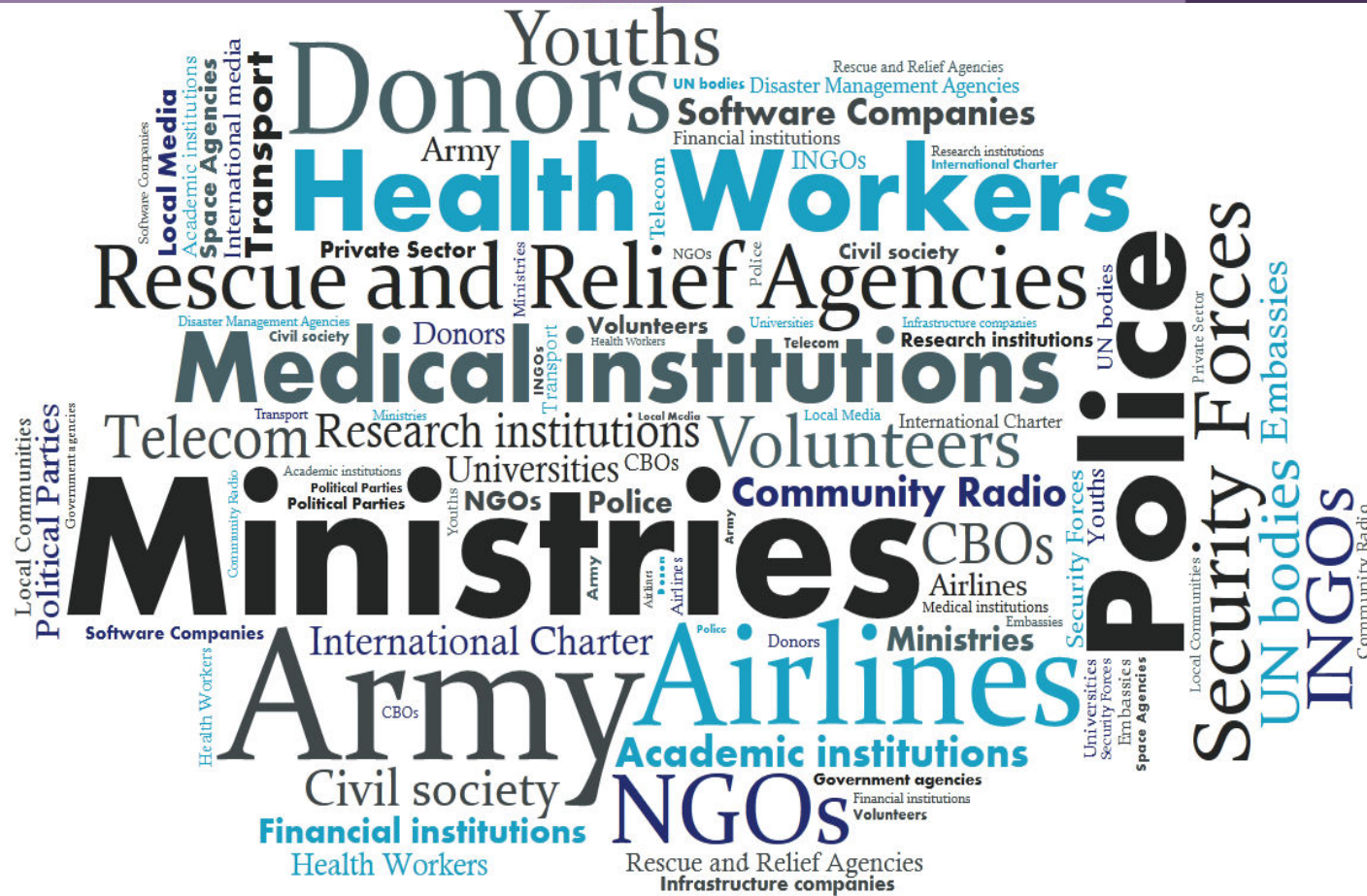


- Demand for information rise exponentially
- Massive amount of information - both producers and users
- Challenges in mainstreaming into the decisions
- Standard Operating Procedures (SoPs) for data collection

Technological Convergence
- An Enabling Framework

Multitude of Actors

Matching demand versus supply



Collaboration is the Key !!!

Confluence of Technologies

Integrated and Innovative Solutions

**Space and Allied
Technologies for
disaster
management**



Nepal Disaster Recovery and Reconstruction Information Platform (NDDRIP)

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(<http://apps.geoportal.icimod.org/nddrip>)



- Integration of data and information at the national level
- Interactive maps, story map journal and data visualization
- A single Gateway for timely and credible information for decision support
- Transparency, Accountability and Social Audit
- Information and as “public good”

Response → Recovery → Reconstruction

Moving from Relief to Reconstruction

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Microsoft



Reconstruction

- Improved Community Resilience
- Strategic Resource Allocation
- Enhanced Vulnerability Awareness
- Decision Support and Collaboration

Towards a Resilient Nepal !!!

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