

Progress Report of ICL Network on Landslide Risk Management

1 January 2015 to 31 December 2015

- 1. Project Title of Network:** ICL Network on Landslide Risk Management
- 2. Name of coordinators (Affiliation and emails):** (i) Coordinator: Dr. Surya Parkash, National Institute of Disaster Management, 5B, I.P. Estate, New Delhi-110002, INDIA
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- 3. List of member organizations:**
 - Gadjah Mada University, Indonesia (WCoE), Geological Survey of Canada, Institute of the Geospheres Dynamics, Russian Academy of Sciences, Russia (WCoE), University of Firenze Italy, Building & Housing Research Centre Iran, Institute of Geography, UNAM, Mexico
- 4. Progress report of activities up to 31 December 2015:** The network has initiated discussions and exchange of knowledge, information, innovation and experiences on landslides risk management through popular lectures, seminars, workshops / conferences and participation in the meetings.

During this year, 40 invited and popular lectures on various topics related to landslides, climate change, disaster management, development and geoethics have been delivered during different training programmes, conferences, workshops and meetings at national and international level. Fourteen (14) training programmes have been organized at State and National Levels in India by the Coordinator of the network to disseminate the knowledge, information and experiences related to landslides risk management. Besides the lectures and trainings, the network coordinator participated in 25 meetings on the subject and made 12 publications. The network has been unanimously elected as President of the National Section of International Association for Promoting Geoethics in India and Coordinated the project for India Disaster Database with UN ISDR and Ministry of Home Affairs, Government of India. As part of the Government of India Delegation to the 3rd World Conference on Disaster Risk Reduction, the network coordinator participated in the deliberations at Sendai, Japan during 14-18 March 2015.
- 5. Plan of future activities:** The following activities have been planned by the network on landslides risk management.

- To invite active contributors to the network and request them to join for evolving multi-stakeholder, cross-sectoral and interdisciplinary approach for landslides risk management – strengthening the network’s functional requirements
- To coordinate, facilitate and promote meaningful and useful contributions from the network partners on significant issues of landslides risk management – Capacity Enhancement
- To collect, collate and compile the information / data from the network in a systematic way for sharing this document with all partners and ICL – Information Dissemination
- To organize workshop/conferences, webinars involving network partners – Sharing and exchange of information, knowledge and experiences

6. Publication (in Landslides, proceedings, meeting reports, or WEB)

The network has made the following publications.

- i. **Parkash Surya:** *“A Study on Flash Floods and Landslides Disaster on 3rd August 2012 along Bhagirathi Valley in Uttarkashi District, Uttarakhand”*, published by World Centre of Excellence on Landslide Disaster Reduction, National Institute of Disaster Management, Ministry of Home Affairs, Government of India, New Delhi, 2015, ISBN 978-93-82571-10-0
- ii. **Parkash Surya** and Saha Roy T.K. 2015: *“Directory of Institutions and Resource Persons for Landslide Management In India”*, published by World Centre of Excellence on Landslide Disaster Reduction, National Institute of Disaster Management, Ministry of Home Affairs, Government of India, New Delhi, 103 pages, ISBN 978-39-82571-12-4 <http://nidm.gov.in/PDF/pubs/directory%20landslide.pdf>
- iii. **Parkash Surya:** *“Cooperation, coordination and team issues in disaster management: the need for a holistic and integrated approach”*. In: Peppoloni, S. & Di Capua, G. (eds) *Geoethics: the Role and Responsibility of Geoscientists*. Geological Society, London, Special Publications 419, 2015, 187pages ISBN-10: 1862397260, ISBN-13: 978-1862397262
- iv. **Parkash Surya:** *“Some Socio-Economically Significant Landslides in Uttarakhand Himalaya: Events, Consequences and Lessons Learnt”*, Chapter 12 published in *Mountain Hazards and Disaster Risk Reduction* (eds.: Rajib Shaw and Hari Krishna Nibanupudi), Series on Disaster Risk Reduction – Methods, Approaches and Practices, published by Springer Japan, 2015, ISBN 978-4-431-55241-3, ISBN 978-4-431-55242-0(eBook), pp.211-232
- v. **Parkash Surya:** *“Tools, Techniques and Technologies for Capacity Enhancement to Reduce Landslide Risks and Promote Community Resilience”*, Proceedings of International Conference on Landslides and Slope Stability (SLOPE 2015) – Advancement of Research, Practice and Integrated Solutions on Landslides, held at Bali, Indonesia during 27-30

September 2015, pp.3-1 to 3-8, ISBN 978-602-71964-5-2, published by Parahyangan Catholic University, Bandung, Indonesia

- vi. **Parkash Surya:** *“Natural Disasters in the Himalaya – Lessons Learnt and Way Forward”*, Keynote Abstract Volume, Golden Jubilee Year International Conference on Engineering Geology in New Millennium, organized by Indian Society of Engineering Geology, 27-29 October 2015, IIT, Delhi, pp.24-25
- vii. **Parkash Surya:** *“Initiatives on Enhancing Capacities for Disaster Risk Reduction”*, Abstract Paper in VI Annual Conference of the International Society for Integrated Disaster Risk Management, TIFAC IDRiM 2015, organized by Technology Information, Forecasting and Assessment Council during 28-30 October 2015 at Scope Convention Centre, New Delhi
- viii. **Gupta Surya Parkash:** *“Ethical Responsibility of Governance for Integrating Disaster Risk Reduction with Development”* by accepted in EOS8, Geophysical Research Abstracts, EGU General Assembly 2015, vol.17, EGU2015-14524
- ix. Sharma Ashok Kumar and **Gupta Surya Parkash:** *“Earthquake Induced Landslides in the Sikkim Himalaya – A Consequence of the 18th September 2011 Earthquake”* by accepted in EOS8, Geophysical Research Abstracts, EGU General Assembly 2015, Vol.17, EGU2015-2344
- x. **Tapas K. Saha Roy**, Dissertation Work (supervised by Surya Parkash) on *“A Case Study of Malin Village Landslide Disaster, Tehsil Ambegaon, Pune, Maharashtra”*, by Masters in Business Administration (Disaster Management), IP University, Delhi, August 2015, 106pages
- xi. **Arunava Ray**, **Dissertation Work** (supervised by Surya Parkash) on *“Landslide Mitigation by using Biotechnical Slope Stabilization Methods: A Case Study of Varunawat Hill Landslide, Uttarakhand”*, PG Diploma in Disaster Management, IGNOU, Delhi, Nov. 2014 – April 2015
- xii. **Parkash Surya** and Baljinder Kaur: *“Planning and Construction of Buildings in Susceptible Landslide Areas”*, In IAEG Seminar 2015