

# International Day for Disaster Reduction IDDR Day 2013

## Living with Disabilities and Disaster



## Workshop Report

*Organized by:*



## Nepal Geological Society

*in association with*

## Mitra Kunj and Russian Centre of Science and Culture

*Supported by: Department of Mines and Geology (DMG), Department of Irrigation (DoI) and  
Department of Water Induced Disaster Prevention (DWIDP)*

Kathmandu, Nepal  
8 October 2013, Monday

## **ABOUT NEPAL GEOLOGICAL SOCIETY (NGS)**

Nepal Geological Society is the professional umbrella of all geologists working in Nepal and has over 700 members among which more than 170 scientists are from foreign countries. The Society was established in 1980 with the aim of developing and promoting the research and application of geological sciences to the national development through fostering high professional standard among members; promoting and protecting the professional interests of earth scientist of the country and to play an active role in the protection and conservation of environment through reducing the natural disaster.

Since its establishment, the Society has been working towards the advancement of geosciences in Nepal and is playing a leading role towards building up consensus among the government and private sectors on the role of geosciences on the national development. The Society is organizing the international as well as national level seminar, workshop and frequent talk programs. The Journal of Nepal Geological Society is the only one scientific journal regularly published from Nepal that incorporates research findings focused to the Himalayan Regions. The bulletin of the Society incorporates the articles that are more focused to the interest of general public.

## **NGS AND DISASTER RISK REDUCTION ACTIVITIES**

The geological disaster (landslide, flood, earthquake) are the major threat to the national development and poverty alleviation in Nepal. Therefore, Nepal Geological Society initiated the advocacy in the area that included awareness campaign through the regular celebration of the International Day for Natural Disaster Reduction (UN/IDNDR) since 1990s, occasional publication of disaster-related booklets etc. Likewise, after the establishment of UN ISDR (United Nation International Strategy for Disaster Reduction), the Society has carried its activities in line with the UN/ISDR aims of building disaster resilient communities by promoting increased awareness of the importance of disaster reduction for reducing human, social, economic and environmental losses due to natural hazards and related technological and environmental disasters.

The activities of NGS towards Disaster Prevention was acknowledged by UN Humanitarian and Emergency Relief Co-ordination Office of IDNDR Secretariat in Geneva, by awarding UN-Sasakawa Disaster Prevention Award in 1998 for its efforts in disseminating the scientific knowledge and spreading the awareness of prevention of the natural disaster.

Nepal Geological Society is committed to continue to advocate for disaster risk reduction and mitigation activities in the country. This professional organization is always open to have partnership with other national and international organizations involved in this sector.

## **THE IDDR DAY 2013**

Nepal Geological Society (NGS) is a professional organization that is committed to work towards reducing hazard, vulnerability, and resulting disaster in the country. It has been

working in disaster inventory, preparedness and advocacy since its establishment (last three decades). United Nation (UN) proclaimed the theme to celebrate disaster day 2013-2014 as: "Disability and Disaster". Giving high priority to this theme NGS organized a half day workshop on October 8, 2013 in collaboration with Mitra Kunj and Russian Centre for Science and Culture. The program was supported by Department of Mines and Geology (DMG), Department of Irrigation (DoI) and Department of Water Induced Disaster Prevention (DWIDP).

The program was organized in the Russian Culture Center hall, Kamal Pokhari, Kathmandu. There was around 130 participation consisting of researchers, policy makers, representatives of organization working in the disaster sectors. The program was inaugurated and addressed by Mr. Pratap Kumar Pathak, Secretary, Ministry of Irrigation, Government of Nepal. The program was also addressed by the distinguished guests. There were five thematic presentations, each followed by discussion over the queries of participants. The workshop was divided into two sessions namely Inauguration Session and Technical Session.

## INAUGURAL SESSION

The program was inaugurated by Mr. Pratap Kumar Pathak, Secretary, Ministry of Irrigation, Government of Nepal and Mr. Kumar KC, Treasure of NGS conducted the inaugural session. The others who addressed the program were Mr. S. K. Rai, Convener, NGS-IDDR-2013, Mrs. Tej Kumari Tiwari, President, Nepal Disabled Society; Mr. Mukunda Dahal, Secretary, National Federation of the Disabled Nepal (NFDN); Mr. S.P. Mahato, Director General, Department of Mines and Geology (DMG); Mr. Pradip Pandey, Director General, Department of Water Induced Disaster Prevention (DWIDP); Mr. Nahendra Pradhan, Acting President, Mitra Kunja; Mr. Antov Maslov, Deputy Director, Russian Center of Science and Culture; Dr. Dinesh Pathak, President, and Mr. D.K. Napit, General Secretary, Nepal Geological Society (NGS).



Guests sitting on the dais during Inaugural Session

**Mr. Sagar Kumar Rai**, Convener of the NGS-IDDR Committee delivered welcome speech on behalf of the organizing committee. Mr. Rai welcomed all the guests, resource persons and participants in the workshop. In his welcome speech Mr. Rai shaded light on the main objectives of the workshop focusing on the theme given by the UN for this year: Living with Disabilities and Disaster. He also reiterated that Nepal Geological society has long been recognized for research initiatives, regular publication, and organization of national / international seminar workshop and has contributed in development and disaster mitigation endeavors.

Mr. Rai mentioned that ISDR Day has been observed by NGS since long, specially focusing on interactive workshop and seminar with view to share the knowledge and practices of disaster management and to generate awareness among the stakeholders.

In addition, he mentioned that the five invited papers from Ministry of Home, Nepal Police, Department of Water Induced Disaster Prevention, Nepal Disabled Society, National Federation of Disabled- Nepal are equally important issues to be covered for the disaster management. He believed that at the end of the workshop NGS will be able to produce a report with assessment of our present capacity, identifying substantial activities to be done and practical recommendations to the Govt. and policy makers.



**Ms. Tej Kumari Tiwari**, President, Nepal Disabled Association explained the situation of people living with disabilities in Nepal. She mentioned that majority of the disabled communities lack the knowledge of different aspects of disaster. So she stressed the need of launching disaster related awareness program in community of disabled people in Nepal.

**Mr. Mukunda Dahal**, Secretary, National Federation of the Disabled Nepal (NFDN); mentioned that the Government of Nepal could not collect the actual data of disabled people in Nepal. He expressed his doubt over figure of disabled people in Nepal given by Nepal National Census - 2011. He expressed the need of inclusion of people living with disabilities in the decision making and disaster risk reduction planning process.





**Mr. Antov Maslov**, Deputy Director, Russian center of Science and Culture, explained the different aspects of disaster management system in Russia and shared their experience of preparedness practices.

**Mr. Nahendra Pradhan**, Acting President, Mitra Kunj thanked NGS for continued collaboration on the IDDR Day celebration. He stressed the need of an active forum of all the concerned authorities to carry out research on disaster in Nepal.



**Mr. Pratap Kumar Pathak**, Secretary, Ministry of Irrigation, Government of Nepal and Chief Guest of the function said that this year's IDDR Day theme is highly relevant in Nepalese context. He mentioned the need of formulation of new and review of the existing disaster related government policies and laws considering the situation of people living with disabilities. He also wished for the success of the workshop and expected strong suggestion and recommendation from this workshop to the policy makers and the implementers.

**Mr. Pradip Pandey**, Director General, Department of Water Induced Disaster Prevention (DWIDP) mentioned about the activities and effort made by department in disaster prevention and mitigation.





**Mr. S. P. Mahato**, Director General, Department of Mines and Geology, explained how Nepal lies in high disaster risk zone due to active tectonic activities and younger mountain building process. He said that a due consideration should be given to disabled people during implementation of disaster related programs.

**Dr. Dinesh Pathak**, Chairman of the session and President of Nepal Geological Society thanked the participants for their presence in spite of their busy schedule. He stressed that Nepal is geologically situated in a zone that is vulnerable to natural disaster. Because of this reason, Nepal Geological Society has been celebrating IDNDR and IDDR Day in cooperation with the concerned government and non-government organization so as to disseminate the information about disaster to the general public. The Society is still committed to its objective towards disaster risk reduction and has been continuously involved in various related activities.



Dr. Pathak mentioned that according to WHO data, one in every five person has some kind of disability. Likewise, the 2068 BS Census data shows that around 1.94% of Nepalese population are disabled. This group of people are among the most excluded in society and hence most vulnerable and are likely to severely hit by the disaster. Dr. Pathak stressed the need of involving the disabled during the preparation of disaster management plan so that their issues could be well addressed in the plan.

He mentioned that, in view of geographical and geological condition, Nepal is prone to hit by disaster and have experiences several such incidents in the past. In this context, NGS has organized this workshop in order to discuss in various aspects of “disability in disaster”. The main aim of the program is to generate awareness among different stakeholder working in disaster management so that they would not consider disability as inability thereby involving the disabled in disaster risk reduction activities..

President Pathak acknowledged the partnership between Nepal Geological Society, Government bodies, local governments as well as Mitra Kunj and Russian Center of Science and Culture.



**Mr. D. K. Napit, General Secretary, Nepal Geological Society**, presented the vote of thanks. He thanked the Chief Guest, other guests on the dais, all the participants, collaborative organizations and supporters for their support and participation in the ISDR Day organized by the Nepal Geological Society. With the permission of the Chairman of the session, he also declared closing of the inauguration session and announced for a break before the start of technical session.

## TECHNICAL SESSION

The technical session was chaired by Mr. Siddi Pratap Khan, Life Member of Nepal Geological Society and Senior Hydrogeologist. The rapporteurs were Dr. Subesh Ghimire (Central Department of Geology) and Mr. Sunil Shrestha (Nepal Electricity Authority).



Five thematic papers were presented in the technical session, which is briefly summarized below:

## जल उत्पन्न प्रकोप असर तथा जनचेतना

षणमुखेश चन्द्र अमात्य

जल उत्पन्न प्रकोप नियन्त्रण बिभाग, सिंचाई मन्त्रालय

नेपालमा प्रत्येक वर्ष प्राकृतिक प्रकोपबाट हुने मानवीय क्षतिको २१% क्षति बाढी-पहीरो अर्थात जल उत्पन्न प्रकोपबाट हुने गर्द छ। जल उत्पन्न प्रकोप नियन्त्रण न्युनीकरण संरचनात्मक एवं गैर संरचनात्मक प्रकृयाबाट गर्न सकिन्छ। संरचनात्मक प्रकृया अन्तरगत स्पर, तटबन्ध, गाइड ब्यांक, रिभेटमेन्ट निर्माण तथा बायोइंजिनियरिंग प्रविधि पर्दछन भने गैर संरचनात्मक प्रकृया अन्तरगत प्रकोप संबन्धि जनचेतनाको प्रचार प्रसार लगायत जोखिम नक्सा तयारी तथा जोखिम पूर्व सूचना प्रणालीको विकास एवं वर्षाको नियमित अनुगमन पर्दछन। प्राकृतिक प्रकोप संबन्धी जोखिमको जानकारी भएमा र सुरक्षित स्थानको पहिचान भएमा जोखिम क्षेत्रबाट स्थानान्तरण गरे जिउ ज्यानको सुरक्षा गर्न सकिन्छ।

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## विपद प्रतिकार्यमा नेपाल प्रहरी

### Nepal Police in Disaster Response

Arjun Timilsina, DSP, Nepal Police

Major points in the paper presentation will cover the Role of Nepal police in Pre-disaster, during disaster and post disaster. Some Glimpse of Nepal police work regarding disaster rescue, Legal responsibility of Nepal police towards disaster, preparedness in disaster response, policy and standing order, training and capacity building, resources management, Training activity, Family preparedness in disaster and what to do if incase of earthquake.

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## प्राकृतिक प्रकोपमा अपाङ्गताका चुनौति तथा जोखिम न्यूनिकरणका उपायहरु

### ओम पुन 'श्रमिक'

महासचिव, नेपाल अपाङ्ग समाज

विश्वमा प्राकृतिक प्रकोपका घटनाहरु दैनिक बढ्दै गइरहेका छन्। जसका कारण दिनहुँ जसो मानवीय क्षतिमा वृद्धि भइरहेका छन्। भूकम्प, भू-क्षय, ज्वालामुखी, सुनामी, भोकमरी जस्ता प्राकृतिक विपदबाट मानिसहरुले समस्या भोग्दै आइरहेका छन्। यसरी बढ्दै गइरहेका प्राकृतिक प्रकोपका कारण अपाङ्गता भएका व्यक्तिहरु चर्को मारमा परिरहेका छन् भने त्यस्ता विपदबाट अपाङ्गताको संख्यामा पनि वृद्धि हुँदै गइरहेको छ। बढ्दो विपदका कारण विश्व समुदायलाई नै चुनौति दिइरहेको छ। एकातिर धनजनको क्षति अर्कोतिर ती प्रकोपबाट बढ्दै गइरहेको अपाङ्गताको संख्यामा भन भन बढ्दो क्रम र अपाङ्गताका कारण जीवनयापनमा पर्दै गरेको चर्को मार आजको मुख्यको समस्या हो। अपाङ्गता भएका व्यक्तिहरु विश्व मै चर्को गरीबीको मारमा परिरहेका छन्। उनीहरु आर्थिक सामाजिक, राजनैतिक सबै क्षेत्रबाट पछाडि परिरहेका छन्। अपाङ्गता भएका व्यक्तिको सबै भन्दा चर्को समस्या भनेकै आर्थिक रुपमा विपन्न हुनु हो। आर्थिक रुपमा विपन्न भएका अपाङ्गता भएका व्यक्ति स्वास्थ्य सुविधा र रोजगारीको अवसरबाट पनि



पछाडिएका छन् । आर्थिक रुपमा विपन्न भएका अपाङ्गता भएका व्यक्तिहरूको बसोबासको स्थान पनि सुरक्षित र भर पर्दो अवस्थामा छैन । जसका कारण उनीहरू प्राकृतिक प्रकोपमा सबै भन्दा पहिले पर्छन् र त्यसबाट आफूलाई सहजै सुरक्षित गर्न सक्दैनन् । नेपाल अपाङ्ग समाजले विपद् व्यवस्थापनका सन्दर्भमा अन्तराष्ट्रिय सन्दर्भ, नेपालमा अपाङ्गता भएका व्यक्तिको तथ्यांक र अवस्था, प्राकृतिक प्रकोपको दृष्टिमा नेपाल, विपद् व्यवस्थापनमा सरकारी प्रावधान (त्रिवर्षिय योजना २०६७/०६८-२०६९/०७०), तेन्चौ योजना (आ. व. २०७०/०७१-२०७२/०७३) को आधार पत्रमा भएका व्यवस्थाहरू, विपद् व्यवस्थापनमा अपाङ्गताका समस्या र चुनौतीहरू, विपद्बाट बच्ने केही उपायहरू, प्राकृतिक विपत्तिलाई व्यवस्थापन गर्ने उपायहरू, विपद् व्यवस्थापनमा राज्यको भूमिका, विपद् व्यवस्थापनमा अपाङ्गता क्षेत्रको भूमिका तथा अपाङ्गता भएका व्यक्तिहरूका केही तस्वीर प्रदर्शन आदि विषयवस्तुलाई प्रस्तुतिकरणमा समावेश गरेको छ ।



## नेपालमा दैवीप्रकोप/विपद् व्यवस्थापन संक्षिप्तमा

प्रदिप कुमार कोईराला

गृह मन्त्रालय

नेपाल भौगर्भिक वनावटका कारणले विपद्को जाखिममा रहेको सन्दर्भमा नेपालमा भैरहेको विपद् व्यवस्थापनका प्रयास तथा आयामहरू अत्यन्त महत्वपूर्ण रूपमा हेरिन्छ । Hazard र Vulnerability संयोजन भएमा अथवा Expose भएको खण्डमा प्रकोप हुन्छ, प्रकोपबाट जन तथा धनको क्षति भएमा विपदमा हुन्छ । प्रकोपको व्यवस्थापन गर्न थप साधनस्रोत र दक्षता चाहिन्छ र हाम्रो सन्दर्भमा हामी धेरै हदसम्म विपदलाई व्यवस्थापन गरिरहेका छौ । विपद् व्यवस्थापनका चक्र पूर्व विपद्, विपद्को समय तथा विपद् पश्चातको अवस्था गरी तीन चरणमा विभाजन गरिएको छ । पूर्वतयारी, खोज, उद्धार, राहत तथा पुर्नवास जस्ता प्रकृयाहरू यी विभिन्न चरणहरूमा गरिन्छ । विपद् व्यवस्थापन चक्रमा विपद् पूर्वको अवस्था Mitigation, Preparedness, Prevention, विपद्को अवस्थामा Search, Rescue, Relief तथा विपद् पश्चातको अवस्था Recovery, Rehabilitation गरिन्छ ।

विपद् व्यवस्थापनलाई प्रभावकारी बनाउन धेरै समस्या तथा चुनौतीहरू छन् । नयां विपद् व्यवस्थापन ऐन, नियमावली र विपद् सम्बन्धी नीति ल्याउनु पर्ने छ । विपद् व्यवस्थापन गर्ने निर्दिष्ट संस्थाको आवश्यकता खटकिएको छ । वर्तमानको विपद् व्यवस्थापन प्रतिकार्य केन्द्रित छ, यसमा पूर्व तथा पश्चात विपद्को अवधारणा थप गर्नु पर्ने छ । विपद् व्यवस्थापनमा सरकारी तथा गैर-सरकारी क्षेत्रको मानवीय क्षमताको विकास, साधन-स्रोतको उपलब्धता र उचित प्रयोग, खोज तथा उद्धार क्षमताका विकास तथा विपद् व्यवस्थापनमा समुदायको सहभागिता भन्ने चुनौतीपूर्ण छ । यसका साथै ह्योगो तथा ह्योगो पश्चातको अवस्था र यसको कार्यान्वयन, विपद् जोखिमको विमांकरण तथा जोखिमको वितरण जस्ता विषयहरू आगामी दिनमा अझ महत्वका साथ अगाडी लैजानु पर्ने छ । यसका लागि प्रभावकारी सूचना संकलन तथा सूचना संजाल र यस क्षेत्रमा भए गरेका प्रतिवद्धताहरूको व्यवहारिक कार्यान्वयन भन्ने महत्वपूर्ण छ ।



## **WRAP UP SESSION**

After the presentations, an intensive discussion took place among the presenters and audience about the different aspects of the presentations and disaster and mitigation in general. Various queries from the audiences were answered by the presentations. After the discussions a list of general inferences and recommendations were drawn and passed by the workshop.

Session Chairman Mr. Siddi Pratap Khan wrapped up the session summarizing the essences of each five papers categorically. Mr. Khan expressed that he himself learnt many things from the presentations and discussions and expressed his concern towards effective implementation of the rules and regulations.

Finally, Mr Khan concluded that the workshop is a success as it could extract the substantial outcomes over the announced theme "Living with Disabilities and Disaster" from the disaster point of view. Thanking to the organizing committee and the Nepal Geological Society, and all resource persons and participants, he ended the technical session.

## **GENERAL INFERENCES AND RECOMMENDATIONS**

- Appropriate disaster management activities should be carried out. The existing act and regulation are to be amended and institutional improvement should be done considering the disabled people. Their participation is also needed during the process of formulation of disaster management policy and implementation of programs.
- Government and other concerned agencies should also carryout disaster awareness and preparedness programs in the community of people living with disabilities. It is required to make an inventory of community of people living with disabilities so that such programs can effectively be implemented in the targeted area.

## **OUTCOME**

- Unique contribution and challenges of persons living with disabilities to helping communities prepare for and respond to were known to experts, professionals and policy makers who participated in the workshop
- This workshop helped to strengthen better networking among the different actors functioning in the disaster management such as Ministry of Home, Nepal police, Nepal Army, NGO, INGO.
- Pragmatic recommendations related to urban disaster risk reduction to concern entities and individual working in the disaster management have come out from the discussion.

## **ACKNOWLEDGEMENT**

Nepal Geological Society would like to express many thanks to Mr. S. K. Rai, Convener and the members of ISDR Day organizing Committee for their active role in the organization of the workshop.

**CONTACT FOR FURTHER INFORMATION**

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**अन्तर्राष्ट्रिय प्रकोप न्युनिकरण दिवस २०१३**  
**प्रकोपको अबस्थामा अपाङ्गता भएका व्यक्तिहरुको भूमिका र चुनौतीहरु**  
*(Living with Disability & Disaster)*  
 २१ असोज २०७० ( ७ अक्टोबर २०१३)

आयोजक

नेपाल भौगर्भिक समाज

तथा

मित्र कुन्ज र रुसी बिज्ञान तथा सांस्कृतिक केन्द्र, कमल पोखरी , काठमाडौं

**कार्यक्रम तालिका**

कार्यक्रम सत्र	समय	क्रियाकलाप
	८:३०-८:३५	सहभागीको दर्ता, चियापान
	८:३५- ८:४०	आसन ग्रहण
उदघाटन सत्र	८:४०- ८:४५	कार्यक्रम संयोजक सागर कुमार राई द्वारा स्वागत मन्तव्य
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	८:५० - ८:५५	श्री तेज कुमारी तिवारी, अध्यक्ष, नेपाल अपाङ्ग समाज द्वारा मन्तव्य
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	९:०० - ९:०५	श्री शिव कुमार शर्मा, महानिर्देशक, सिचाई बिभाग, द्वारा मन्तव्य
	९:००- ९:१०	श्री प्रदिप राज पाण्डे, महानिर्देशक, जल उत्पन्न प्रकोप नियन्त्रण बिभाग, द्वारा मन्तव्य
	९:१०- ९:१५	श्री नहेन्द्र श्रेष्ठ, नि. अध्यक्ष, मित्र कुन्ज, द्वारा मन्तव्य
	९:१५- ९:२०	श्री मास्लोभ आन्तोभ, उप-निर्देशक, रुसी बिज्ञान तथा सांस्कृतिक केन्द्र द्वारा मन्तव्य
	९:२०- ९:२५	प्रमुख आतिथि श्री प्रताप कुमार पाठक , सचिव, सिचाई मन्त्रालय द्वारा मन्तव्य
	९:२५- ९:३०	डा. दिनेश पाठक, अध्यक्ष, नेपाल भौगर्भिक समाज, द्वारा मन्तव्य
	९:३०- ९:३५	श्री दिनेश कुमार नापित, महासचिव, द्वारा धन्यवाद ज्ञापन,
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	९:५५- १०:१५	विपद ब्यबस्थापनका संस्थागत संरचना: संभावना र उपायहरु प्रदिप कुमार कोइराला, उप-सचिव, गृह मन्त्रालय
	१०:१५-१०:३५	भूकम्प र उद्धार (Earthquake and Rescue) अर्जुन तिमिल्सिना, प्र.ना. उ., प्रहरी प्रधान कार्यालय, नेपाल प्रहरी
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