



Monthly Updates October 2013

NDMA & NIDM observed "Disaster Reduction Day"

9th October 2013

National Disaster Management Authority and National Institute of Disaster Management (NIDM) observed Disaster Reduction day at India International Centre, New Delhi on 9th October from 1430 to 1700 hrs, using it as an opportunity to focus national attention on important issue of school safety, in view of the fact that students are worst affected due to various type of disasters. The occasion was graced by Dr. B. Bhattacharjee, Hon'ble Member, NDMA, Emeritus Prof. A.S. Arya, Member BSDMA, Shri Krishna Chaudhary,



Releasing Earthquake Game (Ludo- version 2) during the Disaster Reduction Day Ceremony.



Students of ASN School, Mayur Vihar performing skit play on School Safety

experience by school students on recent disaster in Uttarakhand and its impact on education. Various children from schools across the country were also awarded for participating in Slogan & Poster competition organized by NDMA & NIDM. The programme was organized under the supervision of Dr. K.J. Anadha Kumar, Associate Professor and Dr. Sushma Guleria, Research Associate of NIDM.

Director General, NDRF, Shri Sandeep Rai Rathore, Inspector General, NDRF and many other dignitaries, officials & children. A skit play on school safety was presented by students of ASN School, Mayur Vihar, New Delhi followed by sharing of



Earthquake Snake and Ladder Game, released on DRR day



NIDM conducted an Outcome Discussion and Strategy Workshop on "Environmental Planning and Disaster Risk Management (EPDRM): Six years of Indo-German Cooperation in the field of Disaster Risk Management (DRM) in India"

22nd October 2013, New Delhi

The 'Deutsche Gesellschaft für internationale Zusammenarbeit' with the Indo-German Environmental Partnership Programme (IGEP) contributed to India's national efforts for Human Capacity Development in Disaster Risk Management since 2008 with the Environmental Planning and Disaster Risk Management (EPDRM) project. An outcome and strategy workshop was organized on completion of the project.



Mr. Florian B. Lux, Advisor GIZ, delivering an overview of components, key achievements and challenges of the EPDRM programme.

The objectives of the workshop were:

- i. to share the experiences and reflect on the observable impacts with respect to work and output of the EPDRM project and potentials and constraints for future Human Capacity Development in Disaster Risk Management (DRM);
- ii. role of training for capacity development in the field of disaster preparedness and response; and climate change adaptation; and
- iii. Applications of environmental Knowledge for different target groups (academic, administrative, operational, first responders, industries, planners, volunteers etc.) in DRM.

Shri. G.V.V. Sarma, Joint Secretary (DM) MHA, Mrs. Neelkamal Darbari, Joint Secretary



Sreeja S. Nair, Assistant professor, NIDM giving presentation on the EKDRM programme and key achievements.

(Admn & Co-ord) NDMA, Dr. Dieter Mutz, Director IGEP-GIZ and Mr. Florian B. Lux, Advisor GIZ were the key dignitaries present during the workshop. Twenty four delegates from NIDM, DMI, NCD, NDMA, MHA and GIZ participated in this workshop. Dr. Satendra, ED NIDM delivered the welcome address.

Dr. Anil K. Gupta, Head of Policy Planning Division NIDM and Programme Director-EKDRM briefed about the workshop. Mr. Florian, GIZ gave an overview, components, key achievements and challenges of the EPDRM.



Representatives from all the three partners of the EPDRM (i) Dr. Rakesh Dubey, Director, Disaster Management Institute Bhopal (DMI) (Sub-project IDRM: Industrial Disaster Risk Management - 2008-2010) (ii) Ms. Sreeja S. Nair, Asst. Professor, National Institute for Disaster Management (NIDM) (Sub-project EKDRM: Environmental Knowledge for Disaster Risk Management - 2010-2013) (iii) Shri G.S. Saini, National Civil Defence College, (NCDC) Nagpur (Sub-project CDDRM: Civil Defence and Disaster Risk Management - 2010-2013) shared their experiences of implementing the respective sub-components. Besides Dr. Ashish Chaturvedi, Programme Director, Adapt Cap Project, IGEP shared the experiences of the joint initiatives with NIDM on integrating CCA and DRR in Tamil Nadu and Andhra Pradesh.

Dr. Dieter Mutz congratulated the partner organizations for their achievements and expressed thanks to the ministries for supporting the programme. Dr. Mutz further mentioned that German Government will be keen to collaborate and work together on gap areas for which proposals need to be developed by National Institutions and has to be forwarded through DEA to German Government. The session was closed with concluding remarks from Mrs. Darbari, JS NDMA. Mrs. Darbari mentioned that NDMA will extend necessary support, however partner agencies should take necessary steps to sustain the initiatives and also carry out a details need and gap area analysis. Proposals need to be developed based on the same. The session ended with vote of thanks by Dr. Anil K. Gupta, Associate Professor of NIDM.

National Cyclone Risk Mitigation Project (NCRMP)

A National level Workshop/Consultation on Training Needs Analysis, Training Gap Analysis, Quantification & prioritization of training needs, Strategy for Training Policy and accreditation method for short term DM trainings was held at NIDM on 3rd Oct 2013, wherein experts on the subject and stakeholders from project partner States participated. The workshop was basically to finalise three deliverables under the study viz. (i) SWOT Analysis report (ii) Strategic Framework for implementation of Training (iii) Report on Accreditation Process, quality management and certification method of short term DM trainings. The deliverables were also shared with participants and their inputs were sought. First eight deliverables have been achieved and Design Brief of five package of Training modules were discussed. These modules are sector specific and are based on the survey findings undertaken in the study. The sectors identified for the study are – health, education, PRI, ULB and rural development. In addition, two packages of training modules are also to be developed for Journalists, i.e. one for entry level and the other for senior journalists.



Workshop on School Safety

25 October 2013

NIDM organized a one day workshop on School Safety at Rockwood Sr. Secondary School, Noida with selected teachers and students. Objective of the course was to sensitize the students and teachers about disaster risk management with special focus on School Safety and School DM Planning. The workshop was attended by 250 teachers and students. Inaugural session was followed by 4 technical sessions (i) Basic Concepts of Disaster Management & Institutional framework for Disaster Management (ii) School Safety and Preparation of DM Plan (iii) First Aid Tips for School Children (iv) Basic fire Safety, Search and Rescue in School (Delhi Fire Service). The workshop was highly appreciated by the teachers and school children. Dr. Surya Prakash, Associate Professor and Ms. Tanushree Verma were the coordinators of this programme from NIDM.

Training Programmes Organised

Sr. No.	Title of the course	Venue	Dates	Coordinator	Number of participants
1.	Community Based Disaster Management	SDMA, Sikkim	3 rd Oct	Dr. Surya Prakash	45
2.	Comprehensive Landslides Risk Management for Engineers, Govt. Officials, PRI Members, NGOs and Civil Defence	SDMA, Sikkim	4-5 Oct	Dr. Surya Prakash	45
3.	GLOF and LLOF	SDMA, Sikkim	7-8 Oct	Dr. Surya Prakash	36
4.	IRS- Incident Command System	NIDM, New Delhi	7-8 Oct.	Col P. K. Pathak	18
5.	IRS-Operation section	NIDM New Delhi	9-11 Oct	Col P. K. Pathak	18
6.	Forest Fire Disaster Management	FRI, Dehradun	7-11 Oct	A. D. Kaushik Anil K. Gupta	25



IEC Materials

- NIDM developed various IEC materials in the form of disaster awareness booklets, Do's and Don'ts, pamphlets, flyers, games, video-clips, films etc. for display and distribution during India International Trade Fare (IITF)- 2013 to be held in Pragati Maidan, Delhi during 14-27 November. NIDM already participated in IITF 2012 and this is the second time the institute will be participating in this mega event.
- Video clips developed by NIDM on Uttarakhand Disaster, Cyclone Phailin and NIDM Self Study Portal developed in collaboration with CDAC to be displayed during India International Trade Fare (IITF)- 2013.

Publications

Databases and Statistics for Disaster Risk Management

Authors: Sreeja S. Nair, Anil K. Gupta, and Klaus Röder

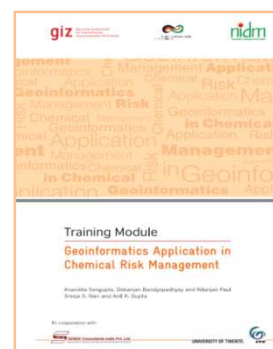
This module is developed under the NIDM-GIZ, eKDRM Project of NIDM and GIZ, Germany. The module covers extensively on various aspects of hazard, disaster and resource databases and how to access, collate and use the information for various phases of Disaster Risk Reduction. Aim of these modules is to enhance the synergy between the data producers and the user community. The training modules are tested during the face to face training, blended learning and ToT programmes during 2010–13 at NIDM. This document contains four modules and 13 Learning Units. Module “A” gives an overview of Disaster data and statistics concepts and its applications in disaster risk management. Module “B” provides an introduction to statistical terminologies and methods e.g. Measures of Central tendency, dispersion etc. Module “C” is on use of statistical information on recent and past disasters for Disaster Risk Management. Module “D” is on understanding the causes and effects of disasters.



Geoinformatics Applications in Chemical Disaster Management

Authors: Anandita Sengupta, Debanjan Bandyopadhyay and Nilanjan Paul, Sreeja S. Nair and Anil K. Gupta

Aim of this training module on “Geoinformatics Applications for Chemical Risk Management” is to provide theoretical and practical inputs that will encourage the application of Geographical Information Science (GIS) and Remote Sensing (RS) for management of risks originating from hazardous chemical industries and storage facilities. The module “Geoinformatics Applications on Chemical Disaster Management” is developed by



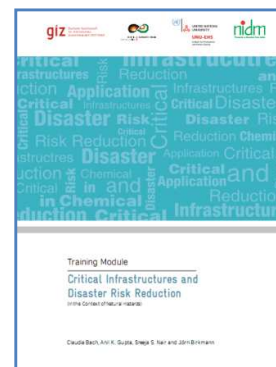


the faculty members of NIDM, SENES Consultants India and researchers of Faculty of Geo-information Science & Earth Observation, University Twente, the Netherlands under the Indo German Cooperation Project ekDRM. This module is organized in 6 Learning Units. Learning Unit '1' is on introduction to Chemical Disaster Management and applications of Geoinformatics; Learning Unit '2' is on Geoinformatics Basics; Learning Unit '3' is focused on Regulatory and Institutional Framework for Chemical Risk Management with emphasis on use of Geoinformatics; Learning Unit '4' provide details of Chemical Risk Management Practices with examples from India and Europe; Learning Unit '5' focuses on Chemical Emergency Management and applications of Geoinformatics tools; and Learning Unit '6' is on Risk Sensitive Land use Planning. This module has an extensive hands on training manual with step-by-step demo of various Geoinformatics tools used in Chemical Risk Management. This module is extremely useful since all the hands-on-exercises are developed using user friendly, open-source and widely used softwares like Quantum GIS, ALOHA, MARPLOT and Google Earth.

Critical Infrastructure and Disaster Risk Reduction

Authors: Claudia Bach, Anil K. Gupta, Sreeja S. Nair and Jörn Birkmann

This module is developed under the NIDM-GIZ, eKDRM Project of NIDM, the Institute for Environment and Human Security of the United Nations University and ifanos Germany. This module provides an introduction to disaster risk reduction of critical infrastructures (CIs) and an overview on the key issues in CI vulnerability reduction. The module is structured in three learning Units: (i) Learning Unit A: Understanding Critical Infrastructure; (2) Learning Unit B: Vulnerability of Critical Infrastructure to Disasters; and (3) Learning Unit C: Methods of CI Vulnerability Assessment. Learning Unit A deals with definitions of critical infrastructures, underscores the relevance of this sector and gives first examples of indicators for CI vulnerability. Learning Unit B offers a closer look at natural hazards and their specific effects on CIs; A concept for vulnerability assessment is presented and discussed in the Learning Unit C. In addition, the relevance of CI vulnerability for India in particular has been brought in the perspective. The module covers a variety of important factors of critical infrastructure which itself is a complex topic due to interdependencies of different sectors with hazard specific assessment examples and outlines some potential adaptation strategies. Overall, the publication is meant to provide a first overview of the importance of infrastructure services and their consideration in disaster risk reduction, while also presenting potential assessment methods and frameworks.





Paper Published

Gupta, A.K., Nair, S.S, Yunus, M. (October, 2013). Uttarakhand Disaster 2013 - Floods and Landslides: Lessons of ecology not yet learnt. *News Letter of International Society of Environmental Botanists* 19 (4), 7-10.

NIDM visits to Disaster Affected Areas

Cyclone Phailin

Dr. Surya Prakash, Associate Professor, NIDM visited the cyclone hit areas of Odisha coast during 28-30 of October to carry out a brief study of the event (Phailin cyclone followed by floods), its impacts, actions taken by different stakeholders in pre, during and post-disaster situations, lessons learnt etc. The field visit was limited to some of the coastal areas to get an insight of the ground conditions and interaction with different people,



who have been affected directly or indirectly by the cyclone. Dr.

Dr. Surya Prakash interacting with members of Inter-Agency Group at Bhubaneswar.

Parkash visited Bhubaneswar, Chhatrapur, Berhampur, Gopalpur, Nuagaon, Khurda, Puri, Dakhinpatalanagar, Jagatsinghpur and Katak. Meetings were held with the OSDMA, Revenue and Disaster Management, officials of district administration including health & education sector, women and child welfare department, Inter-Agency Group (IAG), Indian Red Cross, NGOs, CBOs, village committees, fishermen and women groups, school teachers/students, affected population etc. The report of the cyclone will be incorporated in "India Disaster Report – 2013".

Uttarakhand Flash flood affected districts

Mr. Manas Dwivedi, Junior Consultant of NIDM, visited disaster affected areas of Rudra Prayag, Sonprayag and Kedarnath of Chamoli & Rudraprayag district during 12-21 October. Objective of the visit was to carry out post disaster societal analysis, including psycho-social impact assessment of affected population. During the visit Mr. Dwivedi had several interviews with eye witnesses of disaster (Rest house owners, managers & community) in the Kedarnath area, Triyuginarayan village, Guptakashi, Ukhimath, Sonprayag, Bhimbali, Gopeshwar, Joshimath & Badrinath. Societal analysis of various aspects covering livelihood recovery, local economic structure, household coping strategies, impacts on social relation & cohesion, relief, recovery etc. were carried out through PRA.

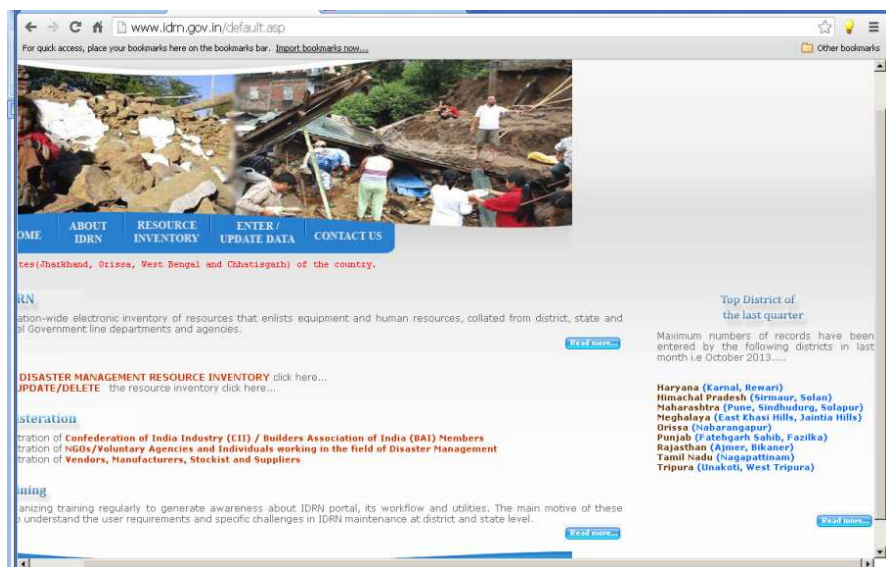


National Disaster Management Plan

NIDM team comprising of Dr. Anil K. Gupta (Associate Professor), Ms. Sreeja S. Nair, (Assistant Professor) and Ms. Rinkal Mahajan (Jr. Consultant) were actively involved in the formulation of National Disaster Management Plan in association with Ministry of Home Affairs. The draft compiled was circulated to National Executive Committee (NEC) members, and comments/ inputs received from various ministries and nodal agencies were incorporated. The plan was finally approved by NEC on 21 Oct 2013.

India Disaster Resource Network

Three regional training programmes on India Disaster Resource Network covering North, South and Western states of India were organized during the period April to Sept 2013. New IDRN web portal with advanced functionalities is under development (NIDM in-house). Further detailed report of status of entry and updating of portal at district level is developed.



Substantial progress has been noticed in terms of data entry, updating and user login since April 2013. Total data entered and updated in the month of October is 675. For details visit www.idrn.gov.in