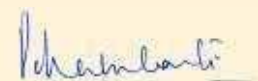


**Disaster Risk Reduction and Higher Education**

In a generic sense, higher education encompasses the entire gamut of education and research in colleges, universities and other technical and professional institutions across a spectrum of subjects and disciplines. All these institutions contribute to disaster risk reduction in two broad ways. First, they build the capacity of a critical mass of people who would be playing important role on disaster risks reduction across sectors. They develop human resources, generate awareness, promote strategic thinking and create the leadership that would be holding the key positions in various sectors. Secondly, the institutions of higher learning are continuously engaged in seamless researches on various subjects, which enrich our understanding of the causes and consequences of disasters and promote the development of new technologies, tools and methodologies for better assessment of disaster risks, better mitigation of disasters, better warnings and preparedness and better management of disasters.

Higher education by nature is structured around specialized disciplines that tend to focus more and more on less and less, which is important for research and innovation, but which nonetheless, fragments knowledge in different compartments. Therefore, a need has been felt to integrate them into a separate subject that would impart a holistic view on disaster management and equip the students with knowledge and skills to develop professional career as disaster manager.

The efforts to develop a new discipline of disaster management has been quite recent. The experience so far has been mixed - interest and enthusiasm for the course has not been matched by opportunities for specialized jobs. With the enactment of Disaster Management Act, creation of Disaster Management Authorities at national, provincial and district levels, setting up of disaster response and mitigation funds at all levels, increasing involvement of corporate sectors in on-site and off-site emergency management plans and continuing focus of international organizations, donor agencies and national and international NGOs on disaster management, demands for professional disaster managers are bound increase. The challenge before the universities and other institutions of higher learning would be to customize courses and design curriculum that would integrate the fragmented knowledge on disaster management in a manner that would meet the demands of the market across sectors. Probably the institutions like NIDM have to play a catalytic role in nurturing the growth and development of Disaster Management as an academic discipline in our universities and other institutions of higher learning.



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## International Workshop on Risk to Resilience - Strategic Tools for Disaster Risk Management

International Workshop on "Risk to Resilience: Strategic Tools for Disaster Risk Management", was organized at SCOPE Complex, New Delhi on 3-4 February 2009, by National Institute of Disaster Management jointly with Institute for Social and Environmental Transition (ISET), Boulder, US and Winrock International India (WII), New Delhi. The workshop was inaugurated by Prof. N. Vinod Chandra Menon, Honorable Member of the National Disaster Management Authority. Dr. Marcus Moench, President, ISET has given the thematic address. Special addresses were delivered by Shri Anand Bose, Additional Secretary, Ministry of Agriculture, Dr. S. P. Sharma Statistical Advisor, Ministry of Environment & Forests and Shri P.G. Dhar Chakrabarti, Executive Director, NIDM. The event has brought together more than 80 international and national delegates from Nepal, Pakistan and Europe and experts on various themes from India Meteorology Department, Central Water Commission, National Institute of Hydrology, Ministry of Environment and Forests, Policy Makers, Civil Society Groups, ICIMOD, UNDP, IAASA, ISET, Universities and research institutes, bilateral and multilateral organizations, state Disaster Management Officials and donors to discuss on strategic tools for disaster and climate risk management in the perspective of cost-benefit analysis (CBA) of disaster risk reduction interventions at various levels.



*ED NIDM delivering special address during the inaugural function*

Workshop had technical sessions on (i) Core concepts, challenges and status (ii) Case Studies on CBA (iii) Techniques for evaluation CBAs and (iv) Tools and methodologies to inform policy, methodology and critical gaps, in the context of strategies for hydro-meteorological hazards and implications of climate change. The project case studies and results in the form of working papers were presented in this brainstorming workshop for discussion on their relevance and replication in larger public policy domain and practice. Presentations focused on hydrological research and information, climate-change and disaster risk in Indian context, environmental modeling for hydro-meteorological risks, policies and strategies for disaster risk reduction, vulnerability indicator framework etc. Technical Session was followed by a Policy Round Table with the objective to discuss upon approaches for mainstreaming the CBA and other strategic tools in the existing policy and programmes of Government. The discussions also flagged out the issues for future research and strategic planning issues to focus disaster risk reduction rather than post-disaster management, as an adaptation agenda.

## Annual Training Conference

*New Delhi, February 2009*

NIDM has been supporting the Disaster Management Centres (DMC) in the Administrative Training Institutes (ATIs) of the States under a Central Sector Scheme. The Institute has also been conducting training programmes in the States in collaboration with the ATIs. In order to discuss the lessons learnt from these programmes and to jointly develop a training calendar for the NIDM and the DMCs, the Annual Training Conference is organized every year with participation of the Director Generals of State Administrative Training Institutes (ATIs), Secretary (Disaster Management) of States/UTs, Heads of Disaster management Centres of ATIs and Senior representatives from Central Ministries and Departments. This Conference has been organized on 9-10 February 2009. It has been inaugurated by Secretary (Border Management), Ministry of Home Affairs, Government of India. Directors General of ATIs of Karnataka, Madhya Pradesh and Jharkhand shared their experiences while Heads of DMCs of 23 ATIs presented physical and financial progress made during the year 2008-09. The participants deliberated on various issues of mutual interest and a number of decisions were taken which included creation of a webpage of DMCs, mainstreaming disaster management into various sectors and developing a resource centre. Considering the experiences gained and lessons learnt by NIDM and the DMCs during the current and previous



years as well as the expected demands and challenges for training, the Training Calendar of NIDM and also that of DMCs for 2009-10 was discussed at length and finalised during the conference. As per the training calendar of 2009-10, NIDM will organize about 90 training programmes including the 37 off-campus programmes. Each DMC is expected to organize about 25 programmes of a total duration of 105 days during the year 2009-10.

#### **4<sup>th</sup> Meeting of Governing Body of NIDM**

*New Delhi, 17 March 2009*

The 4<sup>th</sup> meeting of the of the Governing Body (GB) of the National Institute of Disaster Management was held on 17 March 2009 in the Conference Room of the Institute under the Chairmanship of General (Retd.) N. C. Vij, PVSM, UYSM, AVSM, Hon'ble Vice Chairperson of the National Disaster Management Authority. It was attended by Dr. T. Ramasami (Secretary Science and Technology), Shri Vinay Kumar (Secretary BM), Shri H.S. Brahma (Special Secretary, NDMA), Prof. Shekhar Chaudhuri (Director IIM Kolkata), Dr. V.S. Hedge (Director DMS, ISRO), Dr. V.P. Dimri (Director NGRI), Prof. Amarjit Kaur (Director, CDM, GGSIP University), Shri P. Ravindran (Director Finance, MHA) and Shri P.G. Dhar Chakrabarti, ED NIDM.



*Gen. (Retd.) N.C. Vij, PVSM, UYSM, AVSM, Vice-Chairman NDMA presiding over GB Meeting*

During the meeting, the Governing Body has decided that NIDM shall engage contractual employees for the implementation of schemes transferred from the Ministry to the Institute, in case necessary staff from Ministry is not deputed for this work. It has been emphasized that in view of the increasing workload of the Institute, its staff strength need to be augmented without delay. The assured career progression scheme will be implemented in the Institute. The GB has approved the annual training calendar of the institute for the year 2009-10 and examined the calendar for Disaster Management Centres at the State ATIs. The Chairman suggested that NIDM should increase its number of training programmes on District Disaster Management Planning and emphasized on close monitoring of programmes by the DMCs and follow-up in low performing States. The proposal for integrated emergency management course (IEMC) has also been approved by the GB. IEMC has highlighted the need to simulate realistic crisis situation within a structured learning environment. The course seeks to integrate functions, resources, organizations and individuals for efficient management of disasters. NIDM will soon be launching online programmes independently. In this regard, an agreement may be executed with World Bank Institute Washington. Dr. Hegde, Director DMS assured that ISRO will extend all support to NIDM for successfully conducting satellite based programmes. It was also proposed that additional DMCs may be set up in larger states and centres of excellence may also be set up in some DMCs. A Centre of Excellence for Landslides has been proposed at Uttarakhand Academy of Administration, Nainital.

#### **Workshop on Strengthening Post Disaster Disease Surveillance**

*New Delhi, March 2009*

A two day workshop on Strengthening Post Disaster Disease Surveillance was organized on 23-24 March 2009 at the Institute premises by the National Institute of Disaster Management (NIDM) with support of WHO India. The Ministry of Health and Family Welfare and the National Institute of Communicable Disease (NICD) participated in the workshop as the primary stakeholders. The key objectives of the workshop were to document the lessons learnt from the previous practices of post disaster disease surveillance in various states of India and to suggest recommendations on the strategies to enhance the effectiveness of existing Integrated Disease Surveillance Project (IDSP) following any disaster.



Around 30 participants consisting of state/district surveillance officers from disaster prone states and UTs (Andaman and Nicobar Islands, Assam, Bihar, Gujarat, Himachal Pradesh, Jammu & Kashmir, Mumbai Municipal Corporation, Tamil Nadu, and West Bengal), Director, Emergency Medical Relief (EMR), Ministry of Health and Family Welfare, Representatives from NICD, Vector Control Research Centre (VCRC) – ICMR, NIDM, WHO, Public Health Foundation of India (PHFI), and Tamil Nadu Tsunami Resource Centre (TNTRC) attended the workshop. The first day of the workshop focused more on mutual exchange of information sharing on disease surveillance practices during disasters while the deliberations on second day were more centered on the intervention component.

## New Training Programmes

### Comprehensive Landslide Risk Management using Geoinformatics

National Institute of Disaster Management in collaboration with International Institute for Geo-Information Science and Earth Observation (ITC) and Geological Survey of India (GSI) organised a two weeks training cum field workshop on Comprehensive Landslide Risk Management Using Geoinformatics during 12 – 23 January 2009 at NIDM. 17 participants from GSI, State Remote Sensing Application Centers, State Council for Science and Technology, Central Road Research Institute, National Institute of Rock Mechanics (NIRM), Indraprastha University and TERI University as well as from AFPRO (NGO) attended the programme. The key objectives of this training programme were to update the knowledge and develop the skills of the participants on optimal use of geo-informatics tools and datasets for Landslide Risk Reduction and Management.



*Dr. Cees van Westen from ITC Netherlands delivering a lecture during the course*

The course was inaugurated by Maj Gen (Dr.) R Siva Kumar, Head, Natural Resources Data Management System (NRDMS), Department of Science and Technology, Government of India. Dr. Siva Kumar appreciated the initiative taken by NIDM in doing this programme and also mentioned the importance of Geoinformation tools in Disaster Management, particularly for Landslides. Besides national experts, eminent international experts and trainers on Landslides Management including Dr. Cees Van Westen (ITC- Netherlands), Dr. Andreas Guenther (BGR Germany), Dr. Paula and Dr. Fausto Guzzetti (CNR-IRPI, Italy) who shared their experience and given hands on training during the course. Field visit to Uttarakashi Landslide area was organized for the participants with the support of district administration and Uttarakhand Government.

Dr. P.C. Nawani . Director, National Institute of Rock Mechanics (NIRM) and Former Director, Geological Survey of India, Uttarakhand Unit, has described about various measures taken for stabilizing the slope. The team held a meeting with the District Magistrate, Uttarkashi and engineers from Tehri Hydro Development Corporation (THDC) to discuss various issues related to administration, investigation, implementation of treatment measures and management of landslide risks. Other key feature of the programme was the extensive hands on sessions for developing skills in using various geoinformation tools and techniques. Participants were given training on Hazard , Vulnerability and Risk Assessment as well as slope stability analysis using Arc GIS, ILWIS and Rock-Stab tool.s. Group exercises on Landslide Management Planning were also conducted and participants made presentations depicting the real life scenarios of managing landslides and challenges faced in different parts of the country. Valedictory session of the workshop was presided by Dr. Mohan Kanda, Honorable Member of National Disaster Management Authority.

### Environment and Disasters

A 5-days training programme on Environment and Disaster was organised at National Institute of Disaster Management, New Delhi, during 12-16 January 2009. Objective of the programme was to analyze and understand the implications of environmental resource management, system tools, environmental information and eco-technologies in disaster risk management and response for hazards originating in environmental system, natural or built (figure 1). Senior functionaries from different sectors viz. forest services, geological survey, agriculture, livestock, water & land, revenue, environment, meteorology and district administration participated in the programme. It was inaugurated by Dr. K J Ramesh, Advisor, and Ministry of Earth Sciences. Delivering the key note, he emphasized the relevance of earth-environmental resources and if altered may change the geo-morphological processes resulting in hazardous situations, and called for greater application of environmental engineering and restoration technologies. Dr Ramesh expressed that risk reduction is not possible without the environmental intervention and this will reduce the load on emergency response systems.

### Forest fire Mitigation and Management

NIDM in collaboration with Forest Research Institute (FRI), Dehradun organised a 5-days training programme during 16-20 February 2009 at Dehradun. Officers of the Indian Forest Service from various fire prone states of the country, Heads of Divisions of relevant training, research and education institutes participated in the course.. The programme was designed to enhance understanding concerning the nature, extent of the threats and the planning of counter-measures to combat the adverse impact of forest fire; develop their management capabilities and implement disaster preparedness and participatory strategies; and to provide them a forum of interchange of ideas and views with the speakers pertaining to mitigation measures for forest fire disaster. Resource persons from Indian Institute of Remote Sensing, Forest Survey of India, FRI, ICFRE, State

Forest Service, State Police and Home guards Department were invited. Topics of deliberations included Space-Technology in Forest Fire Monitoring, Fire-weather monitoring and Assessment/forecasting, GIS application in tracking fire-risk prone areas and developing mitigation plan, GPS and web-enabled technology application and demonstration in forest-fire management, economic evaluation of impacts and its influence on other disasters like drought, slope erosion/landslides, invasive plants, pest attack, diseases, role of remote sensing agency, police, fire, community, veterinary, and revenue department in overall organization of disaster management with reference to forest fire. A mock drill on forest fire and control was conducted in the New Forest Area of Dehradun involving the Fire Department of Uttarakhand government. It was followed by a field visits including demonstration of Forest fire Master Control facility at the Mussoorie Forest Division.

### **Training Programme on Retrofitting : Technical and Managerial Issues**

A 5-days training programme on on Retrofitting Technical and Managerial Issues has been organised at NIDM from 9-13 February 2009 for Engineers, Architects, Town planners of all states, UTs, Municipal Corporation, Development Authorities, Housing Boards and real estate agencies involved with repair, rehabilitation & strengthening of lifeline facilities in earthquake prone areas. The program intends to sensitize various techno-managerial issues related to seismic retrofitting measures in Indian context. Obejctives of the course was to enhance understanding concerning the nature and extend of threat due to earthquakes, concept and issues involved in earthquake risk management, different activities involved in earthquake preparedness, capability to analyse plans for Earthquake risk preparedness and mitigation measures and provide a forum for inter-changing of ideas and views pertaining to earthquake risk mitigation. 30 participants from conerned departments attended the programme.

### **Transport of Hazardous Goods: Risk Management and Emergency Response**

A 2-days course on Risk Management and Emergency Response during Transport of Hazardous Goods has been organized at the institute on 24-25 February 2009. Officials of various departments from state Governments namely transport disaster management, health, police, home guards, pollution control, industrial health & safety, factories, participated in the course. The course topics covered risk and vulnerability assessment challenges and approaches, transport planning and urban planning issues for accident prevention, regulatory provisions and laws pertaining to chemical accidents, emergencies and transport, first response, emergency preparedness, management of chemical fires during transport, trans-district issues, and application of GIS and GPS technologies in vehicle tracking, risk assessment and emergency organization. Experts from Federation of Indian Chamber of Commerce & Industry, Delhi Fire Service, School for Planning and Architecture, Indian Institute of Technology Delhi and National Institute of Road Transport, Pune were invited to discuss various specialized issues.

### **Training of Trainers on Disaster Management for Rural Development Sector**

A five days training of trainers programme on Disaster Management for Rural Development Sector has been organized at the institute from 16-20 February 2009 to sensitise officers and develop disaster management trainers in the rural development sector who can conduct training programmes at state/district level. The programme was focused on mainstreaming Disaster Risk Reduction in various programmes of Rural Development Sector. Target group included officials from Rural development department, National Institute of Rural Development (NIRD) and State Institutes of Rural Development (SIRD) across the country. 11 Officials of various departments from state Governments participated in the programme.

### **Training Programme for Disaster Management for Police Officers**

A. five days training programme for Disaster Management for police officers was held at NIDM from 23-27 March 2009. The course is designed to impart knowledge, develop skill and reorient the attitude of Police Officers, Trainers and instructors to discharge their duties in the changing environment. The objectives of the training are to introduce Disaster Management concepts, Vulnerability profile of the country, Institutional Mechanism, new initiatives and practice. It explained about various types of disasters and their impacts, disaster management cycles and Do's and Don'ts for preparedness for specific disasters and response mechanisms as well as role of various stakeholders during response.

### **Workshop on Policy, Strategic and operational issues and mainstreaming DRR in Development**

A 2-days training workshop on on Policy, Strategic and operational issues and mainstreaming Disaster Risk Reduction in Development Planning 22-23 January 2009. The Key objectives of the programme were to sensitise the participants about the disaster risks in India, its implications on development and to discuss regarding the policy, planning and operational issues for long term disaster risk reduction. The target group is Joint Secretraries from various ministries such as Rural development, Urban development, Health, Education, Environment, Agriculture, defense finance and Department of Science and Technology. The programme has been attended by 20 participants.

## Introducing Comprehensive and Specialized Online Programmes in Moodle

Online training programmes on Moodle Platform has been introduced in April 2009. NIDM with the support of WBI has already been organizing comprehensive disaster Risk Management Framework programme as well as specialized online programmes on Safe Cities, Damage Assessment, Financial Strategies and Community Based disaster risk management courses in Virtual Learning Environment (VLE) platform since 2006. New learning environment i.e. Moodle is easy to install & use, user friendly for participants & instructors like it, work well in low bandwidth environments, easy to export to CD-ROM, Integrated with content editor and the software is freely accessible to partner institutions. Besides introducing new environment for learning, 3 specialized courses (i) Climate Change & Disaster Management (ii) Earthquake Risk Mitigation (iii) Land Use Planning with a duration of 4 weeks each will be introduced this year. Further details of the training are available at [http://www.nidm.net/WBI\\_09.pdf](http://www.nidm.net/WBI_09.pdf).

## Meetings

### NPCEERM technical committee meetings

Two Technical Committees were constituted by NIDM under the chairmanship of Prof. A.S. Arya, on 31 December 2008 to examine the feasibility, course structure and the process of development of a web-based course module for implementation of the National Programme for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM) and National Programme for Capacity Building of Architects in Earthquake Risk Management (NPCBAERM) and also to develop a self study course in each of the disciplines. The first meeting of the Technical Committee for Engineers was held on 5 January 2009 while the second was held on 16 January 2009. The first meeting committee focused on developing a web based programme for NPCBEERM as its course curriculum and course content has



*Prof. A.S. Arya Chairing the meeting of NPCBEERM at NIDM Conference Room*

already been decided. Self study courses which are to be launched by NIDM, may also include topics of Earthquake Risk Management / Mitigation. In the second meeting, presentations were made to explain the methodology for transforming the course content into an effective web-based instructional course. Mr. V.K. Sharma explained various steps involved in making a web-based module. The chairman stressed the need for launching the web-based courses as early as possible since there is a huge target to be achieved and therefore, it was decided that based on the existing course curriculum and course content, a web based course will be devised and launched without much of multimedia features like animations, audio / video / graphics and e-tutorials and subsequently, when ready, advanced web based modules would be uploaded with all the advanced features.

### First meeting on "Preparation of a country policy dossier and institutional mapping for adaptation to climate change"

First meeting of the project on "Preparation of a country policy dossier and institutional mapping for adaptation to climate change; and Analysis of the impact (or lack of impact) on people's ability to adapt to climate change" was held at SAARC conference hall, NIDM campus on 30 January 2009. Delegates from ICIMOD, WINROCK, AARANYAK and NIDM attended the meeting. The scope of work will be special focus on Assam and Bihar state, of policies with possible implications for people's ability to adapt to climate change. This policy dossier shall list all relevant policies at different levels (national, state, district and local level) which can have a direct or indirect impact on people's ability to adapt to climate change. The work shall be based on individual expertise, or as collaborative work of the institute.

### Japanese Delegation

A meeting was held with Mr. Hiroaki Teramoto, Director, National Institute of Land and Infrastructure Management (NILIM), Japan and Mr. Fukuda, Counsellor, Embassy of Japan in India on 26 March 2009 at the Conference of NIDM to exchange views on collaborative research for disaster management. The meeting discussed about the outcome of the 17th Asian Conference of Public Works Research and Development – Prevention and Mitigation for Disasters and the report submitted by Mr. Amit Jain from Indian Revenue Services after the conference. Mr. Teramoto, expressed their interest to collaborate especially in the area of landslides. It was proposed to hold a joint

workshop in Japan to establish collaborate teams and identify specific research areas/needs. During the meeting, Mr. Shaleen Kabra, Joint Director, NIDM has also suggested certain possible areas for mutual cooperation, particularly related to transport sector, coastal areas and disaster risk management.

## Papers

- Kaushik, A.D. and Ritu Raj “Managing Natural Resources for Disaster Reduction” published in The Indian Journal of Public Administration, October-December 2008, Vol.LIV, No.4, pp. 908- 917.
- Parkash S.: “Best Practices in School Based Disaster Risk Reduction” presented at National Conference on School Based Disaster Risk Reduction, organized by Focus Humanitarian Assistance (Agha Khan Foundation) and DIPECHO, at Hotel Sarovar Portico, Ahmedabad on 29-30 January 2009. He has also chaired a session on Knowledge Management, Sharing and Future Collaborations during the conference.
- Kaushik A.D., “Impact of climate change induced disasters on energy resources” presented at 2-days seminar entitled “ Energy and Environment Problems and Solutions in 21st century” held at Sir Chhotu Ram Institute of Engineering and Technology (SCRIET), CCS University, Meerut from March 30-31, 2009. This paper has been awarded as a “Best Paper” by the technical committee of the seminar.
- Gupta A.K., “Chemical Disaster Risk Management and Emergency Response: Challenges, Regulatory Framework and National Status” in the Book “Chemical Disaster Management” published by National Disaster Management Authority (NDMA) and FICCI, 2009, pp 100-104.

## NIDM in International Forum

- Dr. Rajesh Kumar Mall attended the Rgional Workshop on Assessing Local Adaptation Strategies to Climate Induced Water Stress and Hazards in the Greater Himalayan Region Dhulikhel Lodge Resort, Kathmandu, 2-6 March 2009.

## Major Activities of NIDM (January - March 2009)

### Training Programmes

- Urban Risk Mitigation & Management, NIDM, 12-16 January
- Comprehensive Landslides Risk Management using Geoinformatics, 12-23 January
- Environment & Disasters, NIDM, 12-16 January
- Formulation of District Disaster Management Plan, ATI Mizoram, 12-16 January
- Chemical, Biological Radiological, Nuclear (CBRN) Disasters, NIDM, 19-23 January
- Basics of Disaster Management for Civil Defence Officers, NIDM, 28-30 January
- Psycho-social Issues in Disaster Management, NIDM, 2-6 February
- Formulation of District Disaster Management Plan, ATI Chandigarh, 9-13 February
- Retrofitting of Lifeline Structures: Technical and Managerial issues, NIDM, 9-13 February
- ToT on Disaster Management for Rural Development Sector, NIDM, 16-20 February
- Forest Fire Mitigation & Management, FRI, Dehradun, 16-20 February
- Mitigation and Management of Coastal Erosion, ILM, Kerala, 23-27 February
- Flood Risk Mitigation & Management, NIDM, 2-6 March
- Transportation of Hazardous Chemicals, NIDM, 5-6 March
- Formulation of District Disaster Management Plan, ATI Himachal Pradesh, Shimla , 3-6 March
- Road Accidents, NIDM, 9-10 March
- Comprehensive Landslides Risk Management, UAA, Nainital, 16-20 March
- Role of Geoinformation in Disaster Management, DMI Bhopal, 16-20 March
- Climate Change & Disaster Management, NIDM, 16-20 March
- ToT on Disaster Management for Police Officers, NIDM, 23-27 March

### Satellite Based Training Programmes

Community Based Disaster Management , 16–18 March 2009

### Online Training Programme with WBI

- Safe Cities , 16 February– 13 March 2009

## Upcoming Events (April - June 2009)

### Debris Management, NIDM, 21-22 May 2009

- Flood Risk Mitigation and Management, NIDM, 25-29 May
- Climate Change and Disasters, NIDM, 1-5 June
- Formulation of District Disaster Management Plan, GB Pant Institute, Sikkim, 1-5 June
- Damage, Loss and Needs Assessment, NIDM, 1-5 June
- Advanced Training of Trainers Course on Disaster Psycho-social Care, National Institute for Mental Health and Neurological Sciences, Bangalore, 1-12 June
- Drought Mitigation and Management, NIDM, 8-12 June
- Earthquake Risk Mitigation and Management, ATI Tamil Nadu, 8-12 June
- Relief Management, NIDM, 10-12 June
- Flood Risk Mitigation and Management, UPAAM, Lucknow, Uttar Pradesh, 15-19 June
- Disaster Health Care Management, NIDM, 15-19 June
- Management of Industrial and Chemical Disasters, YASHADA, Pune, 15-19 June
- Earthquake Risk Mitigation and Management, NIDM, 15-19 June
- Basic Course on Disaster Management for NDRF Commanders, NIDM, 22 -26 June
- Disaster Safe Hill Area Development, UAoA, Nainital, 29 June – 3 July
- Mainstreaming Disaster Management in Rural Development Programmes, NIDM, 29 June-3 July
- Basic Course on Disaster Management for Civil Defence Officers, NIDM, 6-10 July
- Climate Change and Disasters, SKIPA, Ranchi, Jharkhand, 6-10 July
- Urban Risk Mitigation and Management, HCMRIPA, Jaipur, Rajasthan, 13-17 July
- Disasters and Environment, NIDM, 13-17 July
- Role of GIS and Remote Sensing in Disaster Management, ATI Haryana, 20-24 July
- Disasters and Disabilities, NIDM, 20-24 July
- Cyclone Risk Mitigation and Management, NIDM, 20-24 July
- Drought Mitigation and Management, ATI Chhattisgarh, Raipur, 27-31 July
- Formulation of District Disaster Management Plan, ATI Tripura, Agradala, 27-31 July

### Online Training Programme with WBI

- Comprehensive Natural Disaster Risk Management Framework, 6 April – 17 May 2009
  - Community Based Disaster Risk Management, 6 April – 3 May 2009
  - Safer Cities, 4 – 31 May 2009
  - Financial Strategies for Managing Economic Impacts of Disasters, 18 May – 14 June 2009
- For details visit [http://www.nidm.net/WBI\\_09.pdf](http://www.nidm.net/WBI_09.pdf)

2<sup>nd</sup> India Disaster Management Congress Postponed to November 2009. For details, please visit: [www.nidm.gov.in/dmc2/home.asp](http://www.nidm.gov.in/dmc2/home.asp)

**We welcome comments/responses/articles from readers of our Newsletter  
NIDM Newsletter Vol. IV, No.4, January-March 2009**



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