

## (1) International Seminar on Water Induced Disaster

(ISWID~1995)

- i. Objective : To discuss for better solutions of problems common to participating countries in the field of Water Induced Disaster Reduction.
- ii. Number of Seminars : 1 in 1995
- iii. Participants : 74 persons (29 foreigners from 12 countries)
- iv. Period : March 20-24, 1995
- v. Venue : Kathmandu

| No. | Topics  | Lecturers  | Country     |
|-----|---|--|-------------|
| 1   | Low Cost Facilities   | Mr. T. Hirozumi,   | Japan       |
| 2.  | Low Cost Technology in the road sector of Nepal                                       | Mr. A.K. Batajoo<br>Mr. J.H. Howell<br>Geo-environmental Unit, DOR | Nepal       |
| 3   | Low cost for sabo countermeasures in Mt. Pinatubo                                     | Mr. Eleya Fulo Vela Squez  | Philippines |
| 4   | Towards Low Cost Sabo technology in Indonesia having sustainable development approach | Mr. Mulyanto,<br>Mr. Chandrahasan<br>Ms. Yukio Hirano              | Indonesia   |
| 5   | Low cost technology and sabo planning in the scarcity of basic data                   | Mr. Irma Morales De Flores   | Honduras    |
| 6   | Low cost soil conservation measures in Nepal.   | Mr. K.M. Sthapit<br>Mr. G.P. Upadhyaya                             | Nepal       |
| 7   | Low cost technology for river training  | Mr. T. Inoue<br>Mr. N.P. Poudyal, DPTC                             | Nepal       |
| 8   | Sedimentation problems of the three gorges projects on the Yangtze river              | Mr. Ding Lianzhen  | China       |
| 9   | Direct estimation of sediment yield from hydrographic basin                           | Mr. Carlos Espinosa Y. Herve<br>Jegat                              | Venezuela   |
| 10  | Sediment study of Bagmati river   | Mr. Kiran Shankar<br>Mr. Jagat Kumar Bhusal                        | Nepal       |
| 11  | Soil Erosion Monitoring on different land use   | Mr. K.M. Sthapit<br>Mr. G.P. Upadhyaya<br>Mr. Jagannath Joshi      | Nepal       |

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|----|--|---|------------|
| 12 | Cases of reservoir sedimentation control in Japan  | Mr. T. Hara   | Japan      |
| 13 | Development of Seabackthorn and Conservation of Soil in China  | Mr. Sun Zhen Hue<br>Mr. Lu Shuhguang<br>Mr. Mugin Qing      | China      |
| 14 | Soil Conservationist Work programme in watershed   | Mr. Pedro R. Solorzano P.                                   | Venezuela  |
| 15 | Landslide planning in the scarcity of basic data   | Mr. Kiyoshi Amao<br>Mr. Binod Tiwari, DPTC                  | Nepal      |
| 16 | Hazard mapping on large scale landslides in lower Nepal Himalayas  | Dr. Hiroshi Yagi, ICIMOD/JICA                               | Nepal      |
| 17 | Landuse readjustment in the comprehensive watershed management in China  | Dr. Ding Lianzhen   | China      |
| 18 | Landslide characteristics in some parts of Nepal   | Mr. S.L. Karmacharya<br>Mr. A. Koirala<br>Mr. V.B. Shrestha | Nepal      |
| 19 | Preliminary hazard mapping severely affected areas of 1993 disaster in Nepal                                       | Mr. S. Miyajima<br>Mr. T.B. Thapa, DPTC                     | Nepal      |
| 20 | An introduction to GIS & it's application  | Mr. Zafar Karim, ICIMOD                                     | Nepal      |
| 21 | Rainfall as the primary indicators of water induced disaster prone areas in Nepal                                  | Mr. S.R. Chalise, ICIMOD<br>Mr. M.L. Shrestha, DHM          | Nepal      |
| 22 | Flood forecasting and warning system in the ESCAP region   | Dr. Maung San Lin, ESCAP                                    | Thai       |
| 23 | Flood hazard in Sarlahi District, 1993   | Mr. Narendra Bahadur Lama                                   | Nepal      |
| 24 | Flood forecasting and warning system in Malaysia   | Mr. Paridah Anur Tahir                                      | Nepal      |
| 25 | Flood forecasting and warning process for river system in Bangladesh   | Mr. A.K.M. Shamsul Heque,                                   | Bangladesh |
| 26 | Flood forecasting and warning in China   | Prof. Sun Gunhua  | China      |
| 27 | Basic hydrometeorological data requirement for improved understanding and preparedness for Water Induced Disasters | Prof. S.R. Chalise (ICIMOD)<br>Mr. K.B. Thapa (TU)          | Nepal      |

## (ISWID~1996)

- i) Objective : To Discuss for better solutions of problems common to participating countries in the field of water induced disaster reduction.
- ii) Number of Seminar : 4th in the series, in 1996
- iii) Participants : 95 persons ( 23 foreigners from 9 countries)
- iv) Period : November 26 -29, 1996
- v) Venue : Kathmandu
- vi) Major Topics of Presentations

### *Theme A : Appropriate Technology on Disaster Prevention/ Mitigation and Preparedness in Developing Countries*

|    |  |   |
|----|--|---|
| 1. | Restoration of Woody cover in the Sabo Works in Japan  | Mr. H. Ishibashi  |
| 2. | Construction of Sabo Forest which Use the bamboo in Honduras   | Mr. Sr. Leandro Rene<br>Mr. Andara Aguitoz<br>Mr. Sr. Y. Hosokawa |
| 3. | Utilization of Sabo Facilities for other purposes  | Mr. S. K. Sasahara  |
| 4. | Landslide Investigation and Prevention Works applying suitable technology for developing countries like Nepal. | Mr. B.G. Rajkarnikar<br>Mr. B. Tiwari<br>Mr. I. Kitahara          |
| 5. | Development of a Bio- Engineering Capability in the Nepal Road Sector  | Mr. I.S. Dhakal<br>Mr. J.H. Howell                                |
| 6. | Appropriate Technology on Disaster Prevention, Mitigation and Preparedness for developing countries            | Mr. Md. H. Rahman   |

### *Theme B : National Policy/ Planning in Disaster Management*

|    |   |                                      |
|----|---|--------------------------------------|
| 1. | National Policy on Disaster Management in Indonesia                                     | Mr. Ir. B.A. Adiputro<br>Mr. Dip. HE |
| 2. | Traditional Sabo Works in Japan   | Mr. N. Osanai                        |
| 3. | Disaster Management in Nepal  | Mr. S.L. Shrestha                    |
| 4. | United Nation's Structure for Providing Assistance in Response to Natural Disaster      | Mr. William S. Berger                |
| 5. | Preparedness for the Mitigation of Water Induced Disasters in the Hindu- Kush Himalayas | Prof. S.R. Chalise                   |
| 6. | Status of Human Induced Soil Degradation in Nepal                                       | Mr. B.D. Shrestha                    |

### *Theme C : Enhancement of Dissemination System and people's Participation in Disaster Hazard Prevention, Mitigation and Preparedness*

|    |  |  |
|----|--|--|
| 1. | Empowering People for Disaster Prevention                              | Mr. B.P. Kharel                                |
| 2. | Flood Disaster Effects and Appropriate Mitigative Measures             | Mr. G.R. Joshi<br>Mr. P. Thapa<br>Mr. T. Wakai |
| 3. | Sedimentation and Erosion Problem Caused by Tinau River in Mandi Phant | Mr. S.K. Sharma                                |
| 4. | Georges Turning in to Braided Channels in Nepal                        | Mr. A.K. Raut                                  |

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|----|--|---|
| 5. | Effect of Mt. Pinatubo Eruption on the Eight River Basin and the Engineering Interventions for 1991 - 1995 | Mr. R.F. Velasquez  |
| 6. | Enhancement of Dissemination System and People's participation in Sediment Related Disaster                | Mr. Ir. H. Mulyanto<br>Mr. Dip. HE<br>Mr. Ir. Chandra<br>Hassan Dip. HE |

*Theme D : Sedimentation, Erosion Problem and its Impact to the Environment with Proper Integration of Bio- Engineering with Structural Engineering*

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|----|--|--|
| 1. | Sedimentation and Erosion Problems in the valley and its impact on Klang River | Mr. A.R. Mohd. Noor                                      |
| 2. | Topographical and Geological Characteristics of Sindhuli Road Section IV       | Mr. S.K. Pradhan<br>Mr. A. Ishibashi<br>Mr. Y. Yamashita |
| 3. | Sedimentation, Erosion Problem in Hilly and Plain Regions of Nepal             | Mr. S.P. Rimal   |
| 4. | An Investigative of the July 1996 flood in the Agno and Allied River Basin     | Dr. Aide M. Josse<br>Mrs. S. Espinueva                   |
| 5. | Reservoir Sedimentation in Himalayas : Environmental Effects and Consequences  | Mr. G.P. Kayastha  |
| 6. | Extreme Flood Event Associated with Debris Flow at Larcha on 22nd July, 1996   | Mr. L.M. Acharya<br>Mr. J. K. Bhusal                     |

*Theme E : Development of Risk Analysis Methods*

|    |  |   |
|----|--|---|
| 1. | Hazard Evaluation for erosion and sedimentation by use of Remote Sensing Technique   | Mr. K. Matsumura<br>Mr. T. Katayama<br>Mr. Y. Mabuchi                                       |
| 2. | Evacuation System Analysis for Mitigation of Predictable Disasters   | Mr. A. Ishibashi<br>Mr. J. Kumar<br>Mr. E. Koizumi<br>Mr. H. Nakagawa                       |
| 3. | Mechanism of Soil Production and Estimation of Soil Balance in the Ratu Watershed on Field Investigations and GIS Technology | Mr. A. Ishibashi<br>Mr. T. Nagayama<br>Mr. L. Samarakoon<br>Mr. K. Honda<br>Mr. S. Mijayama |
| 4. | Hazard Mapping Based on the Few Case Studies in the Central Region of Nepal  | Mr. R.C. Mahato<br>Mr. D. Higaki<br>Mr. T.B. Thapa<br>Mr. N.P. Paudyal                      |
| 5. | The Flood Forecasting System for Zhangweinan Catchment of Han River  | Ms. Zhang Ruifang   |
| 6. | Major Landslides of the Lateral Highways, Bhutan   | Mr. V. Dongol<br>Mr. A. Wagner<br>Mr. A.N. Bhandari<br>Mr. U. Shakya                        |
| 7. | Monitoring System for Prevention Concerning Debris Flow Diastase around Maracay city, Aragua state, Venezuela                | Mr. Profirio Riveros  |

### Special Papers

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|----|---|--|
| 1. | Remote Sensing and GIS Technologies for denudation Estimation in a Siwalik Watershed in Nepal                                 | Mr. L. Samarakoon<br>Mr. K. Honda<br>Mr. S. Mijayama<br>Mr. A. Ishibashi<br>Mr. Y. Mabuchi |
| 2. | Investigating River Channel Changes as a Consequences of Continuous Flood Hazard in Terai of Nepal using Remotely Sensed Data | Mr. L. Samarakoon<br>Mr. K. Honda<br>Mr. S. Mijayama<br>Mr. A. Ishibashi<br>Mr. Y. Mabuchi |

### Additional Papers

|    |   |   |
|----|---|---|
| 1. | Water Induced Disaster Control Measures adopted in Kaski District through Community Participation | Mr. H.M. Bhandari   |
| 2. | Study of Some Synoptic Situations ( Monsoon period) associated with severe floods in Nepal        | Prof. Dr. B.P. Upadhyaya<br>Mr. B. Shakya<br>Mr. D. Pradhananga |
| 3. | An Overview of Water Induced Hazards and mitigation Measures in Bhutanese Refugees Camps in Nepal | Mr. D.L. Shrestha<br>Mr. T. Ganai                               |

## (ISWID~1998)

- i. Objective : To discuss for better solution of problems common to participating countries in the field of water induced disaster reduction.
- ii. Number of Seminars : 6<sup>th</sup> in the series, in 1998
- iii. Participants :
- iv. Period : November 4-6, 1998
- v. Venue : Kathmandu
- vi. Main Theme : "International Seminar on Water Induced Disaster – 1998"
- vii. Sub Themes :
  - Importance of Information System in Disaster Management.
  - Disaster Forecasting, Warning and Management.
  - Policy and Regulatory Issues for Disaster Management Including People's Participation
  - Watershed Management for Mitigation of Water Induced Disaster.

### (3) Seminar on International Decade for Natural Disaster Reduction Day

(Organized Jointly with Nepal Geological Society)

#### Introduction

The decade from 1900 to 2000 was proclaimed in 1989 by the UN General Assembly as the **International Decade for Natural Disaster Reduction (IDNDR)** to bring about a reduction in loss of life and damage to property resulting from natural disasters. The IDNDR Day is celebrated in a day in the first or second week in October by organizing a national meeting cum seminar which provides a common platform for geoscientists, engineers and people from various disciplines, representatives from various professional societies and NGOs to meet together and share their experiences on the needs of the preventive measures for various types of natural disasters frequently faced by the country.

DPTC is taking part in organizing the IDNDR Day since 1993 as a joint organizer with Nepal Geological Society.

**Objective** : To celebrate IDNDR day in Nepal  
**Number of Seminars** : 5 (1993, 1994, 1995, 1996, 1997)  
**Number of Participants** : About 70 persons in each

#### IDNDR Day 1993

**Date** : October 13, 1993  
**Venue** : APROSC, Kathmandu  
**Theme of the Seminar** : Geoscientific Inputs in Natural Disaster Management  
**Number of Participants** :

#### List of Papers Presented in the Seminar :

| No. | Paper Topic   | Presented By                          |
|-----|---|---------------------------------------|
| 1   | Environmental Problems ( Disasters ) and Their Prevention in Hydropower Projects in Nepal | Mr. D.R. Pant                         |
| 2   | Natural Disaster, the Forest Cover and the Geo-Science                                    | Dr. D. R. Kansakar                    |
| 3   | An Experience of Water Induced Disaster of July 1993                                      | Mr. A. S. Dhakal                      |
| 4   | Mining in Kathmandu Valley and its Environmental Consequences                             | Mr. K. Karki<br>Mr. A. Koirala        |
| 5   | On the Needs to Include Natural Disaster Mitigation in School Curricula in Nepal          | Prof. M. P. Sharma                    |
| 6   | Health Professionals, Health Institutions and Disasters                                   | Dr. S. Dhital                         |
| 7   | Landslides triggered after the July 22 Rainstorm along Tribhuvan Highway                  | Mr. U. Shakya                         |
| 8   | Application of Remote Sensing in Natural Disaster Management : Nepalese Context           | Mr. T. P. Adhikari                    |
| 9   | Groundwater Database : A Management Tool for Groundwater Resources Development            | Mr. R. M. Tuladhar                    |
| 10  | Historical Development of River Training Works in Japan                                   | Dr. S. Matsuura                       |
| 11  | The Present Situation of Pollution and Monitoring of Groundwater in Nepal                 | Mr. M. S. Khadka<br>Ms. Rama Shrestha |

# IDNDR Day 1997

Date : October 8, 1997  
Venue : Russian Cultural Center, Kathmandu  
Theme of the Seminar : Natural Disaster Reduction in Nepal : Experience and Challenges  
Number of Participants :

## List of Papers Presented in the Seminar :

| No. | Paper Topic  | Presented By  |
|-----|--|---|
| 1   | Disaster Management Training in Nepal : Experience and Challenge                                       | Mr. S. R. Upreti  |
| 2   | Disaster Management in Nepal : Issues and Challenges   | Mr. Sushil J. B. Rana   |
| 3   | Kathmandu Valley Earthquake Risk Management Project ( KVERMP ) - An Introduction                       | Mr. S. S. Basnet<br>Mr. C. Cardona<br>Mr. A. M. Dixit<br>Mr. L. Dwelley<br>Mr. M. Nakarmi<br>Mr. S. B. Pradhanang<br>Mr. B. Tucker<br>Mr. C. Villacis |
| 4   | A Farming Problem in the Nepalese hills and some Insights into the Traditional Technique of Management | Mr. Madhukar Upadhya  |
| 5   | Database on Disaster Management Capabilities in Nepal  | Mr. K. P. Kaphle<br>Mr. M. Nakarmi  |
| 6   | Coping With Water Scarcity and Floods  | Mr. Ajaya Dixit   |
| 7   | Pollution of River Systems in Kathmandu Valley   | Mr. M. S. Khadka<br>Mr. M. G. Jha   |
| 8   | Controlling Vehicular Pollution in Kathmandu Valley  | Mr. K. M. Joshi   |
| 9   | Status of Human Induced Soil Degradation in Nepal  | Mr. B. D. Shrestha  |
| 10  | Soil Erosion Problems in the Midlands of Nepal with Reference to the Trisuli Model Site                | Mr. D. Higaki<br>Mr. K. K. Karki<br>Mr. C. S. Gautam  |
| 11  | Landslides in Siwaliks : the Inherent Nature of Young Mountains  | Mr. Rabindra Thanju   |
| 12  | A Guideline for Landslide Investigation : an Experience from DPTC Model Sites                          | Mr. A. K. Karna   |

# Publication and Distribution

| No.  | Publications  | Qty Copies | Distribution | Remarks (Purpose)  |
|------|---|------------|--------------|--|
| (1)  | <u>Books &amp; Booklets</u><br>Annual Disaster Review   |            |              | Compilation of information about the disasters in Nepal throughout the year and comparison with the previous years |
|      | - Disaster Review - 1992  | 1,000      | 1,000        |  |
|      | - Disaster Review - 1993  | 1,000      | 800          |  |
|      | - Disaster Review - 1994  | 1,000      | 900          |  |
|      | - Disaster Review - 1995  | 500        | 480          |  |
|      | - Disaster Review - 1996  | 500        | 475          |  |
|      | - Disaster Review - 1997  | 500        | 450          |  |
| (2)  | Photo Album of Disaster - 1995  | 400        |              | Compilation of disasters of  |
| (3)  | Manual on Landslide - 1996  | 400        |              | For DPTC's training in the field of landslide  |
| (4)  | Report on Seminars on Information Exchange in the field of Disaster Prevention/Preparedness -   | 100        |              | Compilation of the seminars  |
| (5)  | Proceeding of Information Seminar on Water Induced Disaster (ISWID-1995)  | 200        |              | Compilation of the International Seminar proceeding & paper  |
| (6)  | Proceeding of Information Seminar on Water Induced Disaster (ISWID-1996)  | 150        |              | Compilation of the International Seminar proceeding & paper  |
| (7)  | Preliminary study of the Debris Flow and Landslides induced by the disaster of July 1993 in the watersheds of Lothar, East Rapti and Math Khola | 50         |              | Research study report  |
| (8)  | Preliminary Subvrey of Debris Flow and Landuse in Agra Khola, Belekhu Khola and Malekhu Khola.  | 50         |              | Research study report  |
| (9)  | Manual on Landslide, 1994   | 100        |              | Guideline for landslide mitigation countermeasures implementation  |
| (10) | Landslide Prevention Masterplan for Landslide at 19 Km along Kathmandu Trishuli Road, 1995  | 50         |              | Guideline for landslide mitigation countermeasures implementation  |



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|------|--|-------|-------|---|
| (11) | Landslide Prevention Masterplan for Landslide at 48 Km along Kathmandu Trishuli Road, 1995 | 50    |       | Guideline for landslide mitigation countermeasures implementation |
| (12) | Landslide Prevention Masterplan for Landslide at 48 Km along Kathmandu Trishuli Road, 1995 | 50    |       | Guideline for landslide mitigation countermeasures implementation |
| (13) | Report on 1993 Flood Assessment of Bagmati River and East Rapti River                      | 50    |       |   |
| (14) | Effectiveness study of River Training, Examples of success and failure                     | 200   |       | Study and research works  |
|      | <u>Newsletter</u>  |       |       | Information about DPTC activities                                 |
|      | 1) Newsletter Volume 1, 1996 April   | 1,600 | 1,550 |   |
|      | 2) Newsletter Volume 2, 1996 October   | 1,000 | 950   |   |
|      | 3) Newsletter Volume 3, 1997 May   | 1,000 | 950   |   |
|      | 4) Newsletter Volume 4, 1998 Jan.  | 1,000 | 950   |   |