

International Advanced Training Workshop on Water and Soil Conservation

20-28 September 2011

International Research and Training Centre on Erosion and Sedimentation,
Under the Auspices of UNESCO,
Beijing China



Sponsored by
International Sedimentation Initiative (ISI) - IHP-UNESCO
Ministry of Water Resources, P.R. China

Co-sponsored by
World Association for Sedimentation and Erosion Research (WASER)
The Chinese National Committee for IHP

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INTRODUCTION:

The International Advance Training Workshop on Water and Soil Conservation will be a major activity of the International Sediment Initiative (ISI) of UNESCO for 2010-2011. It should meet one of objectives of ISI “Education and capacity building for sustainable sediment management”.

Water and soil are very essential for the ecological environment. Both water shortage and soil erosion are being the major global environmental problems. Soil erosion will result in barren land, much sedimentation of river and reservoir, aggravation of living environment and increase of the dry and pollution disaster. Soil erosion is a naturally occurring process on all land, but it has been increased dramatically by human land use, especially industrial agriculture, deforestation and urban sprawl. Worldwide natural soil erosion is estimated at 10 G t/yr, but human-induced erosion is more than 2.5 times higher, 26 G t/yr, contrastively soil erosion is roughly 25 mm in 1000 years or 600 t/ha. Soil erosion by water, wind and tillage affects on agriculture and the natural environment, so the water and soil conservation is significant to improve the quality of life for people inhabiting in rural and urban communities.

The International Advanced Training Workshop on Water and Soil Conservation has been designed in fulfilling the demands of engineers, scientists, managers, stakeholders and decision-makers in various countries. Through lectures, discussions, exchanges and one-day field study, the participants will improve their professional skills in water and soil conservation theory and practical knowledge, get much latest concepts, techniques and information, and establish linkage among participants. This training workshop is a contribution to International Sediment Initiative objective of Education and Capacity Building.

The general objectives of the training course will focus on the following points:

- To view the global soil erosion situation in general;
- To learn the basic theory of soil erosion;
- To acquire the principal measures of water and soil conservation, and to improve the conservation practices and systems;
- To know the types and distribution characteristics of soil erosion in China;
- To share and exchange experiences on developing and applying technologies for water and soil conservation;
- To promote exchanging information and ideas in the related fields; and

- To enhance the capabilities of conservationists through training and professional development.

UNESCO Office Beijing is extending financial contribution for organizing this training course under ISI of IHP-UNESCO.

COURSE CONTENTS:

The training course will be arranged in lectures, demonstration and seminars with following topics:

1. Situation of global soil erosion;
2. Soil erosion types and their characteristics;
3. Soil erosion mechanism and its estimation ;
4. Main measures of water and soil conservation;
5. Check dam for water and soil conservation in Loess Plateau in China;
6. River sediment management and River Ecology Restoration
7. Field study on small-watershed integrated management in the suburb area of Beijing.
8. Seminar

METHODOLOGY:

During the programme, participants will be exposed to fundamental concepts through lectures, presentations and discussions. Participants will be given an opportunity to visit the IWHR laboratory to see the physical demonstration. One of the best case studies on Check dam for water and soil conservation in Loess Plateau in China will be introduced in details to provide the participants with the knowledge on the effective measures of water and soil conservation in the areas with serious soil erosion. Participants will be encouraged to bring their case study to make presentation for sharing and exchanging experiences in the seminar.

FACULTY:

The faculty members are professors/experts from universities and research institutes in China and possibly some International Experts.

INSTRUCTIONS TO PARTICIPANTS:

Language: The working language is English. All participants should be good at speaking and reading English.

Background: Engineers and scientists who engaged in water and soil conservation, watershed management, sediment and erosion issues, geomorphology etc.

BOARDING AND LODGING:

Participants nominated by National Committees for UNESCO and approved by UNESCO Beijing Office will be provided with standard furnished double bed room (sharing) accommodation, including 24 hours hot water, breakfast, and separate bath room. If the participants prefer a single room, extra US\$30/day should be paid by participants themselves. Food (Lunch and Dinner) will be served. If there is any special requirements for food, please indicate your preference to the course organizer, they will try to meet your need.

For participants out of UNESCO's nomination, they need to pay their tuition fee and accommodation costs including meals and lodgings. The tuition fee is at preferential rate of US\$ 200. The accommodation cost is US\$80/day for single room. The payment could be made by remittance to IRTCES account or on site of training course.

TRAVEL EXPENDITURES:

All participants, except for the participants from Mongolia and DPRK, may try to get support for international travel from their organization or try to apply for partial support from the local UNESCO Office or other donors. The training course organizer will provide return train ticket for participants from Mongolia and DPRK. Local travel expenses in Beijing will be covered by the organizer.

VISA AND OFFICIAL INVITATION:

In order to enter into China, every one requires valid Chinese Visa. It is strongly advised to secure Chinese Visa before leaving the home country. The organizer will send out the official invitation document for helping participant's visa application.

EXPENDITURE TO BE BORNE BY PARTICIPANTS / NOMINATING AGENCIES:

Daily Subsistence Allowances (DSA) if any, cost incurred by participants with respect to medical insurances, loss or damage to personal property, compensation in the event of death or disability of participants while attending the workshop and any other claim by the participants towards any other expenses incurred during the program and travel; also, in the event of hospitalization during the program, the participants have to bear the related expenditures.

INSURANCE:

All the participants are advised to take adequate insurance towards health, medical, accident or any other health related incidences/cases during their stay in China, UNESCO / IRTCES shall not be responsible for such expenses.

Interested participants should send their application in the enclosed form duly forwarded and recommended by the National IHP Committee.

THE APPLICATION SHOULD REACH THE COURSE ORGANIZER AT IRTCES WITH A COPY TO UNESCO OFFICE BEIJING BY 29 July 2011.

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1. Name:
2. Date of Birth and Gender (M /F):
3. Designation
4. Name of the Nominating authority:
5. Educational Qualification:
6. Previous Knowledge in Water and Soil Conservation:
7. Motivation for attending the Course and future plans:
8. Address for Communication:

Phone No. (office):
Phone No. (home):
Fax (office / home):
Email:

9. Passport details:
Number:
Date of Issue:
Data of Expiry:
Place of Issue:

I have read the terms and conditions mentioned in this brochure, and agree to abide by them.

Date:

Signature of Applicant

Signature and Stamp of
Nominating Authority
(National IHP Committee/
UNESCO National Commission)