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NEWSLETTER

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NEWS

IRTCES Silver Jubilee Celebration held in Beijing



The IRTCES Silver Jubilee Celebration & Seminar on Integrated River Basin Management under Global Climate Change were held on July 29, 2009 at Media Center in Beijing. Mr. Chen Lei, Minister of Water Resources of China attended the celebration and made an important speech. Mr. Walter R. Erdelen, Assistant Director General for Natural Sciences of UNESCO attended the celebration and made an address of congratulation. Minister Chen Lei, Mr. Erdelen, and Mr Wang Shucheng, Vice Chairman of Financial and Economic Committee of the National People's Congress awarded the "Qian Ning Prize for Erosion and Sedimentation" to the winners. Mr. Yang Zhenhuai, the former Minister of Water Resources, Prof. Lin Bingnan, Academician of Chinese Academy of Science and Honorary Chairman of IRTCES Advisory Council presented in the celebration for congratulation.



Minister Chen Lei extended his congratulations on the 25th anniversary of International Research and Training Center on Erosion and Sedimentation (IRTCES), and fully affirmed the great achievements made by IRTCES and its outstanding contribution to the international cooperation in the past 25 years. In his view, IRTCES, under the concern and support of the UNESCO as well as the direct leadership of the Ministry of Water Resources, has strived for progress and devoted in pioneering innovation. Thus, great achievements have been made in all aspects of work through exploration in practice and development in exploration. Activities such as extensive domestic and international academic exchange, technical training, research consultation as well as building of information platform, have promoted cooperation in science and technology and sharing in knowledge in the erosion and sedimentation field; expanded the world's advanced experience and technology in river regulation, sediment management, ecological construction as well as flood control and disaster mitigation, and advanced the technical progress and solution of problems of erosion and sedimentation. IRTCES has gradually grown into a world-famous institute with vast international influence, powerful professional research and good reputation in cooperation, establishing its leading role in the field of

erosion and sedimentation. It has also provided important support for the development of international erosion and sedimentation course. The achievements of IRTCES have won wide international and domestic recognition and received high remarks from UNESCO officials and successive representatives of the UNESCO Office Beijing. They said that IRTCES is one of the best partners of UNESCO in China.

At the meeting, on behalf of UNESCO, Mr. Erdelen conveyed his congratulations to the 25th Anniversary of IRTCES and affirmed the great contributions that the IRTCES, as a first UNESCO water-related category II center under the auspices of UNESCO, has made on research and training of erosion and sedimentation science within the frame of UNESCO International Hydrological Programme (IHP) in recent 25 years, which is highly regarded by the researchers and policy-makers worldwide. He also points out that UNESCO is very honored to have such an international and regional center on settling problems of water and sustainable development.

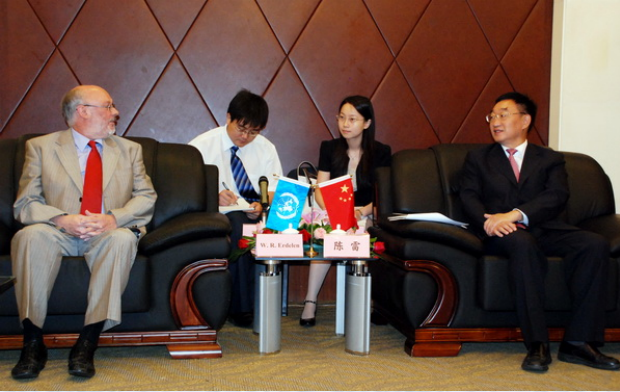


Mr. A. Singh, Director and Representative of UNESCO Office to DPR Korea, Japan, Mongolia, PR of China and Republic of Korea, and Mr. Fang Maotian, Secretary General of Chinese National Commission for UNESCO, Prof. Manfred Spreafico, President of the International Commission for the Hydrology of the Rhine Basin, and Chairman of the UNESCO-IHP-ISI Steering Committee and Prof. Dr. Abdalla Abdelsalam Ahmed, Director General of the UNESCO Chair in Water Resources, and Member of IRTCES Advisory Council delivered their congratulated speeches successively. Mr. Kuang Shangfu, Director of IRTCES briefed achievements and the experience of the IRTCES on exploration and development, and later envisaged its bright future. Mr. Gao Bo, Director-General of Department of International Cooperation, Science and Technology of MWR chaired the meeting.

The Seminar on Integrated River Basin Management under Global Climate Change was convened in the afternoon. Prof. W. R. Erdelen, Academician Liu Changming of Chinese Academy of Science, Prof. M. Spreafico, and Prof. Wang Zhaoyin, Chairman of IRTCES Advisory Council gave sagacious and wonderful academic lectures centering on the related issues.

Leaders from related ministries of the State Council, departments and river basin institutions of the Ministry of Water Resources, water conservancy and hydropower sectors, academies and institutes and institutions of higher learning, academicians, well-known experts, guests from international organizations, related embassies in China and many other countries, and representatives of staff members and graduate students from China Institute of Water Resources and Hydropower Research (IWHR) and the IRTCES, a total of 350 participants took part in the meeting.

Minister Chen Lei met Assistant Director General of UNESCO

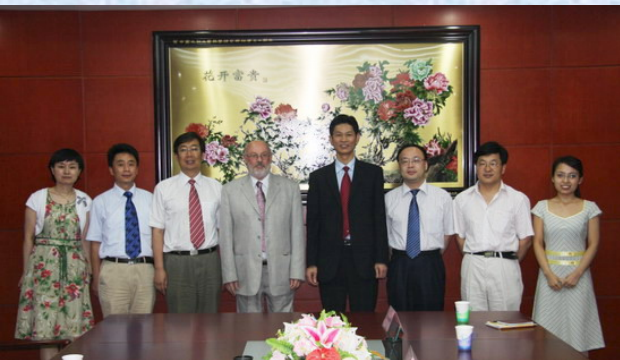


On 29 July 2009, Mr. Chen Lei, Minister of Water Resources of P. R. China met with Mr. Erdelen, Assistant Director General of UNESCO, who is invited to participate in the 25th anniversary of International Research & Training Center on Erosion and Sedimentation.

China and UNESCO have long-term cooperation on studies of sedimentation and technical training has been conducted with expertise of UNESCO and Chinese experts. China has successfully implemented the International Hydrological Program and made great contribution to the evaluation of impact of global climate change on regional water resources. The two parties exchanged views on initiating new project for furthering cooperation.

Other participants include representatives from General Office, Department of International Cooperation, Science & Technology of the ministry, National Commission of the People's Republic of China for UNESCO, China Institute of Water Resources and Hydropower Research as well as International Research & Training Center on Erosion and Sedimentation. H. E. Abhimayu Singh, the Representative of UNESCO in China also attends the meeting. (Source: MWR, China)

IRTCES Director Kuang Shangfu met Mr. W. R. Erdelen, Assistant Director General of UNESCO



On 27 July 2009, Mr. Kuang Shangfu, Director of the International Research & Training Center on Erosion and Sedimentation (IRTCES), met with Mr. Walter R. Erdelen, Assistant Director General of UNESCO, who is invited to participate in the IRTCES Silver Jubilee Celebration. Mr. Hu Chunhong, Secretary-General and Deputy Director of IRTCES and Yu Qiyang, Deputy Director of IRTCES and other relevant staff attended the meeting.

Mr. Kuang Shangfu first extended his warm welcome to Mr. Erdelen and sincere gratitude to his presence and

academic report at the Silver Jubilee of IRTCES. He also expressed his welcome to UNESCO for giving out comprehensive advices and conduct all-round cooperation with IRTCES and delivered a brief introduction about the development and achievements of IRTCES, and expected UNESCO to further support IRTCES's role in building a global database on river sediments and developing an international network on erosion and sedimentation. He also called to strengthen the cooperation and exchange between UNESCO, IRTCES and China Institute of Water Resources & Hydropower Research so as to make greater contributions to the promotion of the disaster control of world's sedimentation, the rational utilization of water and soil resources and the sustainable economic and social development.

Mr Erdelen expressed his thanks for IRTCES's great hospitality and highly appreciated the 25 year's achievements of IRTCES. He said, as a first water related category II center under the auspices of UNESCO, IRTCES has made great contributions to UNESCO International Hydrological Programme and has won international acclaim, setting a good example to other category II centers. Mr. Erdelen also said that UNESCO will continuously give support to the IRTCES in order to strengthen further cooperation and cope with new challenges

Then the two sides exchanged views concerning substantial cooperation and reached a wide range of consensus. (by LIU Cheng, IRTCES)

MoU Signing between IRTCES and ICHARM



On Sept. 17, 2009, a delegation of six persons from IRTCES headed by Prof. Dr. HU Chunhong, Secretary General and Deputy Director of the International Research and Training Center on Erosion and Sedimentation (IRTCES) visited the International Centre for Water Hazard and Risk Management (ICARM) at Tsukuba, Japan. The signing ceremony of the Memorandum of Understanding (MoU) between IRTCES and ICHARM was held. Prof. Dr. HU Chunhong, Secretary General of IRTCES and Prof. Kuniyoshi Takeuchi, Director of ICHARM, signed the MoU representing both sides. Both IRTCES and ICHARM are water-related category II centers under the auspices of the UNESCO, focusing on scientific research, information exchange and technology cooperation, training and consultant services in the fields of soil erosion and river sedimentation, water hazard and risk management, respectively. The signing MoU between two centers will open a new page for the cooperation and exchanges between two sides.

In the signing ceremony, Prof. HU Chunhong appraised that ICHARM has carried out lots of meaningful activities, made great influences in the world within a short period of 3 years after its establishment and developed very quickly, and there is much IRTCES could learn from ICHARM. Prof. Kuniyoshi Takeuchi said that IRTCES is the first water-related category II center under the auspices of the UNESCO, and IRTCES has gained lots of successful experiences during its 25 years' development. IRTCES is like an elder brother of ICHARM, and ICHARM should learn from IRTCES. Both sides considered the signing MOU as a good chance to further strengthen scientific research, information exchange and technology cooperation, deepen traditional friendship, and make great contributions together to the UNESCO's Millennium Development Goals and to the sustainable development of global water resources within the frame of UNESCO-IHP.

Before the signing ceremony, Dr. Tadahiko Sakamoto, Chief Executive of Public Works Research Institute (PWRI) and Executive of ICHARM meet with delegation from IRTCES. Dr. Mr. T. Sakamoto highly appraised the achievements made by IRTCES and great international influences of IRTCES. Prof. HU Chunhong expressed his sincere gratitude to the warm welcome from Dr. T. Sakamoto, and he pointed out that the two centers has similar organizational structures, there are many things to learn from each other, and he hopes to further strengthen cooperation between IRTCES and ICHARM and to seek mutual development, on the basis of strengthening cooperation between PWRI and China Institute of Water Resources and Hydropower Research (IWHR). After the signing ceremony of MOU, a friendly meeting was held. Some mutual understanding such as visit from each other, joint research, jointly organizing international conferences and training courses, technology exchanges and training of staffs from each other, was gained. (by ZHANG Yanjing, IRTCES)

Visit of IRTCES Delegation to Kyoto University



On September 19, 2009, a delegation consisting of 6 experts headed by Prof. Chunhong HU, Secretary General and Deputy Director of International Research and Training Center on Erosion and Sedimentation (IRTCES), visited Kyoto University, Japan. The visit was guided by three members from the Local Organizing Committee (LOC) of the 12th International Symposium on River Sedimentation (ISRS12) under the leadership of Prof. Hajime NAKAGAWA, Secretary General of the Symposium. The visit started from a field trip to the main venue of the Symposium, the Obaku Plaza of Kyoto University. After that, the members of the delegation took

a drive to the Ujigawa Open Laboratory where the secretariat of the Symposium LOC located. A one-hour discussion was made at the meeting-room of the Laboratory, which was followed by a Laboratory visit and facilities experience. In the meeting, Prof. Hu, on behalf of IRTCES that acts as the permanent Secretariat of ISRS, expressed his thanks to Prof. Nakagawa for the arrangement of the visit and the enthusiasm to host ISRS12. He mentioned that he was also a representative of Prof. Des. E. Walling, President of WASER, to evaluate the venue of ISRS12. Prof. Hu said that the delegation was much impressed by the environment of the venue and the efficiency of the LOC after the examination of the proposal and relevant document, in-situ investigation of the venue and discussion. Prof. Nakagawa appreciated Prof. Hu's kind words and his efforts in supporting Kyoto as the host city of the Symposium. He said that Prof. Hu and IRTCES had lots of experiences and know-how in symposium organizations and international communications and asked the IRTECS members for their kind suggestions/advices on the organizing work. The technical details of the symposium organization as well as future collaborations between both sides were also discussed.

The International Symposia on River Sedimentation (ISRS) is a triennial event initiated in 1980. With the support from the UNESCO and the related international associations, and with the participation of the experts and scholars worldwide, the ISRS has drawn wide attention and become one of the attractive technical events in the world. The ISRS provides an opportunity for scientists, engineers, researchers and decision-makers to exchange ideas, research results and advanced techniques, and establish friendship. The ISRS has been successfully organized 10 times in China, USA, Germany, India, Hong Kong China, Egypt and Russia. Since the 9th ISRS held in Yichang, China in 2004, the ISRS also serves as the official symposium of WASER. The 11th ISRS will be held in Stellenbosch, South Africa on September 6-9, 2010. (by LIU Cheng, IRTCES & ZHANG Hao, Kyoto University)

UNESCO picks Bulgarian Bokova as unique candidate for director-general



PARIS, Sept. 22 (Xinhua) -- Former Bulgarian foreign minister Irina Bokova was finally chosen as the unique candidate for director-general of the Paris-based UN Educational, Scientific and Cultural Organization (UNESCO) on Tuesday.

The fifth secret vote began at 6:30 p.m. local time on Tuesday. About an hour later, the chairman of the UNESCO Executive Board, Olabiya Babalola Josephe Yai, announced the result to the press.

The 57-year-old diplomat won 31 votes from the UNESCO Executive Board in the fifth and final vote. Her rival, former Egyptian culture minister Farouk Hosny got 27 votes as all the 58 representatives participated in the vote.

Bokova will become the first female leading the UN agency for learning and culture, succeeding Japan's Koichiro Matsuura, whose term ends in November.

This appointment will be confirmed by the 193-member assembly of UNESCO, the 35th of its kind which is scheduled for Oct. 15.

Bokova gave a short speech in front of the journalists after the result was announced, saying that she never believed in the idea of civilization clash and will do her best to push forward understanding and dialogue between different cultures.

Voting at the 128th meeting of the Executive Board began on Sept. 17 with nine candidates, but none got the necessary majority of 30 votes through the previous four rounds of voting.

Though Hosny was then considered the most possible winner, his past remarks about burning any Israeli books in Egypt's famed library of Alexandria undermined his popularity.

European Commissioner for External Relations Benita Ferrero-Waldner and Ivonne Baki, an Ecuadorian politician and diplomat, both dropped out before the fourth vote on Monday, during which Bokova and Hosny got a tie result.

Bokova, the incumbent Bulgarian ambassador to France and Monaco, has been a member of the UNESCO Executive Board since 2007 and can speak English, Russian, French and Spanish besides her mother tongue. (Source: Xinhua)

Human activity such as farming can erode the Earth's surface at rates similar to the most powerful rivers and glaciers on the planet.

András Szöllösi-Nagy New Rector at UNESCO-IHE Institute for Water Education

UNESCO-IHE Institute for Water Education announces a change in leadership. The new Rector, Professor András Szöllösi-Nagy, will start his appointment on 5 September 2009.

Prior to his appointment in Delft, the Netherlands, Professor Szöllösi-Nagy was Director of the Division of Water, Secretary of the International Hydrological Programme (IHP) and Deputy Director-General of the Natural Sciences Sector of the United Nations Educational, Scientific and Cultural Organization (UNESCO).

During his tenure at UNESCO Professor Szöllösi-Nagy was able to significantly reinforce UNESCO's response capacities in the area of freshwater through a variety of actions. "UNESCO's freshwater programmes are the strongest water programmes within the entire UN system," he said.

"This is due to a reinforced IHP, the establishment of UNESCO-IHE, 23 UNESCO Water Centres and the UN World Water Assessment Programme (UN WWAP). They gather unique capacities and expertise to assist Member States in achieving their share of the Millennium Development Goals," Prof. Szöllösi-Nagy said.

Prof. Szöllösi-Nagy was instrumental in the establishment of the new UNESCO-IHE Institute for Water Education in March 2003 and acted as a key player in the integration of the Institute's education and research programmes in UNESCO.

(Source: <http://www.unesco-ihe.org>)

Human-caused erosion comparable to nature's force, UBC professor

A study published online in Nature Geosciences details how human activity causes erosion. The study suggests large farming projects can reshape the Earth's surface in a manner comparable to glaciers and rivers.

"This study shows that humans are playing a significant role in speeding erosion in low lying areas. These low-altitude areas do not have the same rate of tectonic uplift, so the land is being denuded at an unsustainable rate," Michele Koppes, the lead author of the study and a UBC professor of geography, said in a news release.

In contrast to previous studies, the researchers found that rivers are as powerful as glaciers when it comes to eroding landscapes.

"Our initial goal was to investigate the scientific claim that rivers are less erosive than glaciers," Koppes said. "But while exploring that, we found that many of the areas currently experiencing the highest rates of erosion are being caused by climate change and human activity such as modern agriculture."

Koppes conducted the study with David Montgomery of the University of Washington.

View the study at:

www.nature.com/ngeo/journal/vaop/ncurrent/abs/ngeo616.html

(Source: The Vancouver Sun <http://www.vancouversun.com/>)

More News in ISI Website

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- MoU Signing between IRTCES and ICHARM)
- Visit of IRTCES Delegation to Kyoto University
- UNESCO picks Bulgarian Bokova as unique candidate for director-general
- Workshop on 'Sediment Problems and Sediment Management in Asian River Basins', Hyderabad, India, September 7-8, 2009
- Three Gorges set for full play as reservoir swells
- Human-caused erosion comparable to nature's force, UBC professor
- Coastal erosion threatens Goa's idyllic beaches (India)
- Salmon River slowdown-Dam removal causes rift in waterway for public, wildlife (USA)
- International Advanced Training Workshop on Integrated River Basin Management (Beijing, China, July 27-Aug.3, 2009)
- Seminar on Integrated River Basin Management under Global Climate Change held in Beijing
- IRTCES Silver Jubilee Celebration held in Beijing

- Minister urges int'l cooperation on water resources (China)
- Minister Chen Lei met Assistant Director General of UNESCO
- IRTCES Director Kuang Shangfu met Mr. W. R. Erdelen, Assistant Director General of UNESCO
- Vice Premier Hui Liangyu met with president of WWC

- Honeywell plans to dredge and bury Onondaga Lake sediments(USA)

More

<http://www.irtces.org/isi/>

CONFERENCE REPORT

Seminar on Integrated River Basin Management under Global Climate Change held in Beijing

The Seminar on Integrated River Basin Management under Global Climate Change was held at the Media Center, Beijing in the afternoon of July 29, 2009. Over 200 participants from over 20 countries attended the seminar. Prof. Walter R. Erdelen, Assistant Director General for Natural Sciences of UNESCO, Academician Liu Changming, Prof. M. Spreafico, Chairman of UNESCO-IHP-ISI (International Sediment Initiative) Steering Committee and Prof. Wang Zhaoyin, Chairman of IRTCES Advisory Council gave sagacious and wonderful keynote lectures centering on the related issues.

Keynote lectures are:

Prof. W.R. Erdelen, Assistant Director General for Natural Sciences of UNESCO: Integrate River Basin Management, Biodiversity and Global Climate Change

Prof. Liu Changming, Academician of China Academy of Science: Unitive Viewpoint on Development & Conservancy of Water Resources: A China's Water Strategy Discussion

Prof. M. Spreafico, Chairman of the UNESCO-IHP-ISI Steering committee: Impact of climate change on integrated river basin management in the river Rhine basin

Prof. Wang Zhao-Yin, Chairman of IRTCES Advisory Committee: Sediment Transportation and Management of River Ecology



Prof. Liu Changming, Academician of China Academy of Science



Prof. M. Spreafico, Chairman of the UNESCO-IHP-ISI Steering committee



Prof. W.R. Erdelen, Assistant Director General for Natural Sciences of UNESCO



Prof. Wang Zhao-Yin, Chairman of IRTCES Advisory Committee

The 3rd International Conference on Estuaries and Coasts held in Sendai, Japan



The 3rd International Conference on Estuaries and Coasts (ICEC-2009) was held successfully in Sendai, Japan on Sept.14-16, 2009. The ICEC-2009 was organized by the International Research and Training Center on Erosion and Sedimentation (IRTCES) and Tohoku University, and co-sponsored by UNESCO, International Association of Hydraulic Engineering and Research (IAHR), International Association of Hydrological Sciences (IAHS), World Association for Sedimentation and Erosion Research (WASER), IAHR Asian and Pacific Division (IAHR-APD) and Japan Society of Civil Engineers (JSCE). More than 100 participants from over 20 countries and regions attended this technical event..

At the opening ceremony, Prof. Nobuyuki Tamai, President of IAHR, Prof. Joseph H.W. Lee, Vice President of IAHR and Prof. Hitoshi Tanaka, Chairman of Local Organizing Committee (LOC) made welcome speeches respectively. Prof. Hu Chunhong, Secretary General and Deputy Director of IRTCES that acts as the ICEC Permanent Secretariat, congratulated the conference opening, appraised the great efforts of Tohoku University in conference organization, and appreciated the support from all participants all over the world.

The ICEC-2009, including 3 keynote presentations, 3 parallel sessions and half-day technical tour, lasted for 3 days. Total 108 papers has been presented and discussed, related the estuary and coasts fluvial processes, estuary eco-system conservation, estuary and coasts management, coast disaster, estuary engineering research, etc. Keynote presentations are:

- Mixing of Inclined Dense Jet Discharges (Joseph H.W. Lee)
- Perturbation of Tidal Current and Sedimentation Regimes due to a Barrier at Saemangeum (Byung Ho Choi)
- Spatial and Temporal Distribution of Humic-Iron Complex in Matsushima Bay (Tatsuo Omura)

Participants had a technical tour at the Yamamoto Coast and Abukuma River estuary on Sept. 15.

During the conference, IRTCES delegation with 6 experts headed by Prof. Hu Chunhong had a meeting with Vietnam Water Resources University (WRU) delegation headed by Vice-chancellor Prof. Pham Ngoc QUY for discussion relevant issues of WRU hosting the ICEC-2012. Prof. H. Tanaka attended the meeting.

The ICEC-2009 was closed successfully on Sept. 16. Prof. Hu Chunhong, on behalf of the ICEC Permanent Secretariat, announced that the 4th ICEC will be hosted

by Water Resources University (WRU) and looking forward to welcome all participants again in Hanoi, Vietnam in 2012. (by SHI Hongling, IRTCES)



International Advanced Training Workshop on Integrated River Basin Management (Beijing, China, July 27-Aug.3, 2009)

The Advanced Training Workshop on Integrated River Basin Management was organized by the International Research and Training Centre on Erosion and Sedimentation (IRTCES) in collaboration with UNESCO Beijing Office, on July 27-August 3, 2009, in Beijing, China. The workshop was sponsored by the International Sediment Initiative (ISI) of UNESCO-IHP and the Ministry of Water Resources of China, and co-sponsored by the World Association for Sedimentation and Erosion Research (WASER) and the Chinese National Committee for UNESCO-IHP. 51 participants from 18 countries including Afghanistan, Australia, Bangladesh, DPRK, Hungary, India, Iran, Indonesia, Myanmar, Mongolia, Nepal, Romania, Sri Lanka, Sudan, Uganda, Uzbekistan and China attended the training workshop. Ten famous experts from China and Switzerland were invited to give lectures for training workshop. This is a largest training activity for its participants' number and countries involved among the training events carried out by IRTCES.



Dr. Prof. Hu Chunhong, Secretary General and vice director of IRTCES, Prof. M. Spreafico, Chairman of Steering Committee of the International Sedimentation Initiative (ISI) of UNESCO, Dr. Wang Zhaoyin, Professor of Tsinghua University, Chairman of Advisory Council of IRTCES presented at the opening ceremony and give warmly welcome speeches to all participants.

The Advanced Training Workshop on Integrated River Basin Management was conducted as a major activity of the International Sedimentation Initiative (ISI) of UNESCO for 2008-2009. It meets the fourth objective of ISI "Education and capacity building for sustainable sediment management". The workshop is designed in fulfilling

demands and needs for hydraulic engineers, managers, stakeholders and decision-makers in the countries interested in river basin management. For this purpose, the general objectives of the training workshop focused on theory of integrated river basin management, water resources management, water and soil conservation, knowledge of river ecology and methods restoration, as well as experience and information exchange. In addition, IWRM Guidelines at River Basin Level as new training materials were introduced by the secretariat of NARBO on the invitation of UNESCO. Through lectures, exchanges and one-day Lab. study the participants have improved their professional theory and knowledge of integrated river basin management, get much latest concepts and techniques, and information as well as establish linkage among participants. Due to the fact that the participants covered all level from technicians to professor a lot of discussion and know-how transfer have taken place.

On July 29, it met the day of the celebration of the 25th Anniversary of IRTCES. It was so happy all participants were invited to this important event, because the training workshop was also one of IRTCES Silver Jubilee celebrating activities series. (by TONG Yuling, IRTCES)

Workshop on 'Sediment Problems and Sediment Management in Asian River Basins', Hyderabad, India, September 7-8, 2009



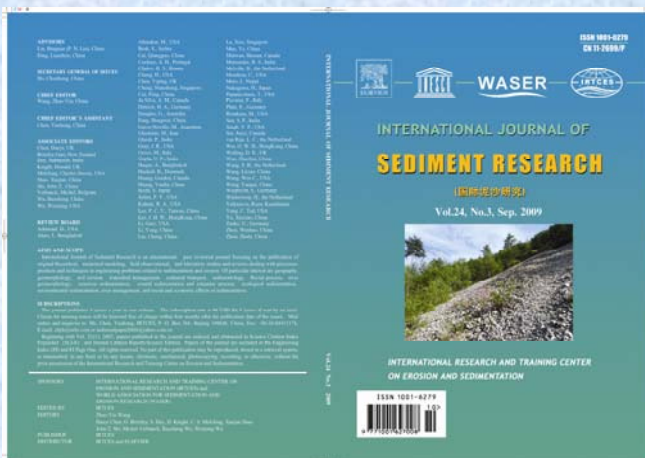
This 2-day workshop formed part of the Scientific Assembly of the International Association of Hydrological Sciences (IAHS) and the International Association of Hydrogeologists (IAH), which took place in Hyderabad, India from September 7th to September 11th, 2009. The workshop was a joint venture between the International Commission on Continental Erosion (ICCE) of IAHS and the UNESCO International Sediment Initiative (ISI). It was also co-sponsored by the World Association for Sedimentation and Erosion Research (WASER). The involvement of the UNESCO ISI was particularly important, because UNESCO provided funds to support the attendance of several invited speakers, who presented overview papers relating to sediment problems in their home countries or local regions. Dr Bhanu Neupane from

the UNESCO Regional Office in New Delhi provided valuable support to the workshop, in making travel and accommodation arrangements for several of the invited speakers. Manfred Spreafico, Des Walling and Valentin Golosov attended the Hyderabad Assembly and were able to represent the ISI Steering Committee.

The workshop represented an explicit attempt by ISI to strengthen links with sediment specialists in Asia, and particularly in India and the surrounding region, and to focus attention on the many important sediment problems faced by the region. The workshop proved a very valuable and productive meeting and it fully achieved its objectives. The programme of the workshop centred on presentations made by the invited speakers and by others who had offered papers to the workshop. The presentations were structured into two main groups, each occupying a day. The first day was devoted to the invited papers that included an overview of the activities of the ISI presented by the chairman of the ISI Steering Committee, Professor Manfred Spreafico and contributions from invited speakers from India, Iran, Singapore, Taiwan, Nepal, Vietnam and Bangladesh. These invited contributions focussed on key sediment problems in those countries or particular regions and additionally provided valuable perspectives on important issues such as the design of sediment management and control programmes, the impact of climate change on sediment loads, the role of sediment fluxes in regional and global carbon budgets and the problems of reconciling the interests of farmers and reservoir managers for improved catchment management. By providing extended time slots for these invited presentations, it was possible for the authors to provide substantive overviews in their presentations and for the presentations to be followed by useful discussions.

The second day of the workshop was devoted to presentations based on the submitted papers. Ten papers were presented and again the timeslots were organised to provide time for discussion after each presentation. The papers presented were of a high standard and covered a wide range of important topic and issues ranging from the problems of managing erosion of lake shores and the environmental impact of sand mining, through the role of agricultural activity in causing aggradation of small rivers in Siberia and influencing runoff rates from steep slopes in Laos, defining baseline erosion rates and recent changes in the sediment load of the Mekong River, to modelling and predicting catchment sediment yields and reservoir sedimentation and the design of hydraulic structures for sediment-laden rivers. Several posters were also presented. The mix of review papers on the first day and papers providing more detailed coverage of particular topics and studies on the second day proved very effective and ISI looks forward to developing further contacts with sediment researchers and practitioners in the region. It is hoped to publish the papers presented at the workshop to make the material presented more widely available to the sediment community. (by Des Walling)

Papers Published in Issue 3, Volume 24, 2009, International Journal of Sediment Research



Volume 24, Number 3

June 2009

Technical Papers

Modelling Evolution of Bed Profile and Grain Size Distribution in Unsurveyed Rivers
P. RONCO, G. FASOLATO, and G. Di SILVIO

Effects of Vegetation on Flow Conveyance and Sediment Transport Capacity
Weiming WU and Zhiguo HE

Effect of Incoming Sediment on the Transport Rate of Bed Load in Mountain Streams
Guo-An YU, Zhao-Yin WANG, Kang ZHANG, Tung-Chiung CHANG, and Huaixiang LIU

Evaluation of Total Load Sediment Transport Formulas Using ANN
Chih Ted YANG, Reza MARSOOLI, and Mohammad Taghi AALAMI

Numerical Simulation of Tidal Current and Erosion and Sedimentation in the Yangshan Deep-Water Harbor of Shanghai
ZUO Shu-Hua, ZHANG Ning-Chuan, LI Bei, ZHANG Zheng, and ZHU Zhi-Xia

Coastal Morphological Modeling to Assess the Dynamics of Arklow Bank, Ireland
J. K. PANIGRAHI, P. N. ANANTH, and P. A. UMESH

Suspended Load in Flows on Erodible Bed
Sujit K. BOSE and Subhasish DEY

Effect of Streambed Sediment on Benthic Ecology
Xuehua DUAN, Zhaoyin WANG, Mengzhen XU, Kang ZHANG

Numerical Simulation of Sedimentation Processes in Reservoirs as a Function of Outlet Location

Horacio TONIOLO

Effects of Precipitation and Landuse on Runoff During the Past 50 Years in a Typical Watershed in Loess Plateau, China
Huaxing BI, Bin LIU, Jie WU, Lei YUN, Zhihan CHEN and Zhewei CUI

List of Reviewers from 2007 to 2008

ISI side publication “The impacts of Global Change on Erosion and Sediment Transport by Rivers: Current Progress and Future Challenges”

International Sediment Initiative (ISI) side publication as a contribution to WWAP

The impacts of Global Change on Erosion and Sediment Transport by Rivers: Current Progress and Future Challenges

Authored by Des Walling

Free download at: http://www.irtces.org/isi/WebNews_View-en2.asp?WebNewsID=419



Publications in ISI Information System

- Proceedings of Workshop Erosion, Transport and Deposition of Sediments (April.2008, Berne, Switzerland)
- Reduce pollution, let water find its own level (WANG Shucheng)
- Harnessing flow of water is the art of life (WANG Shucheng)
- Dredged material as resource (PIANC)
- Dredging management practices for the environment - A structured selection approach (PIANC)

More

(<http://www.irtces.org/isi/info.asp>)

COMING EVENTS

11th International Symposium on River Sedimentation (Stellenbosch, South Africa, 6-9, Sep. 2010)

Date: 6-9, September. 2010

Venue : Stellenbosch, South Africa

Summary: The 11th International Symposium on River Sedimentation (ISRS) will be held in South Africa, at the University of Stellenbosch (near Cape Town), between Monday 6 and Thursday 9 September 2010. The Symposium is held every 3rd year and is coordinated by the World Association of Sedimentation and Erosion Research (WASER). Scientists and engineers are invited to participate in the conference which will include technical presentations, a technical visit, an exhibition, pre- and post-conference tours and a full accompanying person's programme in and around Cape Town.

Organizer: University of Stellenbosch

Sponsors: International Research and Training Centre on Erosion and Sedimentation (IRTCES), World Association for Sedimentation and Erosion Research (WASER), UNESCO, International Commission on Large Dams (ICOLD), International Association of Hydrological Sciences (IAHS), South African Water Research Commission (WRC)

Secretariat: University of Stellenbosch

Permanent Secretariat: IRTCES

Conference Topics:

Abstract and papers are invited under the following themes:

Hydraulics and environmental aspects of river sediment transport processes (fundamental & modelling)

Fluvial morphological and environmental impacts of hydraulic structures on the downstream river and possible mitigation measures

Impacts of river sedimentation on hydraulic structures (diversion, abstraction works, bridges, etc.)

Reservoir/lake sedimentation modelling and management
Sediment yield, soil erosion determination, modelling and management

River mouths/estuary sediment dynamics and coastal erosion

Sediment data collection in rivers, reservoirs and lakes

Dam break analysis and sediment transport

Reservoir sedimentation & Management such as flushing or dredging

Sustainable Tailings Dams

Sediment quality and management

Stormwater erosion prevention & litter management

Sewer sediment transport

Unlined dam spillway scour

Climate change impacts on sediment yields, river and estuary morphology

Bushfire impacts on soil erosion

URL: <http://www.civeng.sun.ac.za/isrs/>

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Technical aspects

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Other aspects

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34th IAHR Biennial Congress (Australia, 26 June-1 July 2011)

Date: 26 June-1 July 2011

Venue: Brisbane, Australia at the Brisbane Convention and Exhibition Centre

Summary: The 34th Biennial Congress of the International Association of Hydraulic Engineering and Research (IAHR) will be held in Brisbane, Australia at the Brisbane Convention and Exhibition Centre on 26 June-1 July 2011. Engineers Australia and its National Committee on Water Engineering (NCWE) are collaborating with IAHR to organize the 34th IAHR Biennial Congress together with the 33rd National Hydrology and Water Resources Symposium and the 10th National Conference on Hydraulics in Water Engineering.

The Congress theme "Balance and Uncertainty: Hydraulic Engineering in a Changing World" focuses on the central roles of hydraulic engineering, hydrology, and water resources for our changing world, and how these roles link to the broader issues. A balance is continually being sought between competing values in water engineering, including the environment, the economy, tourism, social and indigenous values, health aspects, aesthetics, and the needs of current and future generations. Careful management and innovative solutions are required to balance these competing values, and these solutions must be able to deal with the uncertainty in the natural world as well as the changing human world.

By 2011, it will have been 26 years since an IAHR Biennial Congress was held in Australia. The last time was Melbourne in 1985.

URL: <http://www.iahr2011.org/>

Contacts: info@iahr2011.org

12th International Symposium on the Interactions between Sediments and Water (Dartington, England, 19-23 June 2011)

Date: 19-23 June 2011

Venue: Dartington, Devon, England

Summary: 12th International Symposium on the Interactions between Sediments and Water, Dartington, Devon, England. Organised by the International Association for Sediment Water Science (IASWS)

URL: <http://www.IASWS.org>

and www.geog.plymouth.ac.uk/IASWS2011

Ninth International Conference on Hydro-Science and Engineering (India, Aug. 2-5, 2010)

Date: August 2-5, 2010

Venue: Indian Institute of Technology Madras, Chennai, INDIA

Summary: The ninth International Conference on Hydro-Science and Engineering (ICHE 2010) is organized by the Department of Ocean Engineering, Indian Institute of Technology Madras, Chennai, with the support of the allied departments of the institute. The Indian Institute of Technology Madras (IITM), during the 50 years of its existence, has consolidated itself as an Institute of excellence in technology and research. The Department of Ocean Engineering has achieved significant success with a

very dynamic profile in terms of manpower training at graduate and post graduate levels for careers across the world. The department has an internationally acclaimed rare combination of hydrodynamic test facilities that include a towing tank, a wave basin, wave flumes, harbour modeling basin, supported by state of the art instrumentation as well as the expertise of the faculty team. The faculty from allied departments has rich teaching and research experience in themes of the conference. With this background, the International Conference on Hydro-Science and Engineering-2010 (ICHE 2010) offers an exciting platform for academicians, engineers from industry, policy makers and administrators from all over the globe to deliberate on various conference themes. ICHE 2010 will extend the series of biennial conference started in Washington, D.C. (1993), and further continued in Beijing (1995), Cottbus (1998), Seoul (2000), Warsaw (2002), Brisbane (2004), Philadelphia (2006), and Nagoya (2008). These Conferences have acted as a welcome forum to report and discuss the latest advancements in Hydro-Science and Engineering and as such, have always been highly valued by all participants. Undoubtedly, ICHE 2010 at IIT Madras will provide an opportunity for making numerous personal and professional exchanges in India and overseas. The theme of this conference is "Risk management for Hydro-Science and Engineering: towards sustainable mitigation". This is proposed based on the current needs of hydrosience community.

Themes: The Conference will deliberate to disseminate discuss and interact with peers on the following themes, but not limited to:

Water Resource and Waster Water Management
 Surface and Ground Water Resources
 Conveyance and Water Distributed Systems
 Environment Science, Engineering and Management
 Risk Analysis and Management of Water Infrastructure
 Soft engineering tools for forecasting
 Sedimentation and Morphodynamic processes
 Computational Fluid Dynamics
 Marine Hydrodynamics
 Maritime and Coastal Hydraulics

URL: <http://www.iche2010.iitm.ac.in/>

Contacts: The Organizing secretary - ICHE 2010
 Department of Ocean Engineering
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 e-mail: iche2010@iitm.ac.in

6th International Symposium on Environmental Hydraulics (Greece, 23-25 June 2010)

Date: 23- 25 June 2010

Venue : Hotel Divani Caravel, Athens

Summary: The next International Symposium on Environmental Hydraulics (ISEH), sponsored by the International Association of Hydraulic Engineering and Research (IAHR), will take place for the first time in Europe, in Athens, the capital of Greece. Following the success of the 1st Symposium held in Hong Kong in 1991, the series has been established as a major event bringing together engineers and scientists working on a variety of problems related to the water environment. The field of Environmental Hydraulics has expanded considerably over the last two decades, because of the growing concern over water environmental issues associated with pollution and water balance problems on a regional and global scale, which

require a thorough understanding of processes related to environmental flows and transport phenomena and the development of new approaches for practical solutions. The 6th ISEH aims at addressing these challenges by drawing contributions describing original research and / or original applications of up – to – date theoretical, computational or experimental tools in the symposium topics.

Deadline for submission of abstracts: 30 September 2009

URL: <http://www.iseh2010.org>

Contacts: info@iseh2010.org

A conference of the World Organisation of Dredging Associations (Beijing, China, 9–14 Sept. 2010)

Date: 9–14 September 2010

Venue: .Beijing, China,

Summary: A conference of the World Organisation of Dredging Associations, WODCON XIX, Beijing, China. Organised by EADA in association of its Chinese Chapter, CHIDA

URL: A Call for Papers will be issued early 2009. See further <http://www.woda.org/>

Third International Conference on Debris Flow (24 - 26 May 2010, Milano, Italy)

Date: 24 - 26 May 2010

Venue: Milan, Italy

About the event: The University of Milan (Italy) and the Wessex Institute of Technology (UK) organize the Third International Conference on Debris Flow, which is focused on all aspects of debris flow monitoring, modelling, mitigation and management (http://www.wessex.ac.uk/images/stories/pdf_cfps/2010/debris_flow_2010.pdf). This conference follows the success of previous meetings held in Rhodes, Greece (2006) and New Forest, UK (2008).

About the special session "Sediment transport and debris flow monitoring and analysis": The aim of this special session is to gather researchers from the broader fields of sediment transport and debris flow phenomena. Particular attention will be given to both field data acquisition (monitoring approaches) and laboratory tests. Contributions addressing the following topics are particularly encouraged:

1. sediment transport and debris flow field monitoring strategies, techniques and methods;
2. insights of sediment transport and debris flow long term dynamics from field data interpretation;
3. bedload and debris flow physical modelling;
4. large woody debris (LWD) monitoring and modelling;
5. collection and interpretation of debris flows morphological evidences.

The session should attract scientists with different expertise and research background, who will contribute to an interdisciplinary exchange of knowledge about sediment transport and debris flow measurements, analysis and interpretation.

URL: www.wessex.ac.uk/debris2010

Deadlines: Abstracts should be sent before September 30, 2009; the deadline for the receipt of full papers will be specified together with the notification of abstract acceptance. A copy of the abstract submitted to the Conference web site must be sent by email also to one of the Convenors listed below for its inclusion into the Special session.

Contacts (Convenors of the Special session)

Daniele De Wrachien (University of Milan, Italy,

daniele.dewrachien@unimi.it)

Gian Battista Bischetti (University of Milan, Italy,

bischetti@unimi.it)

Francesco Gentile (University of Bari, Italy,

francesco.gentile@agr.uniba.it)

Luca Mao (University of Hull, UK, L.Mao@hull.ac.uk)

5th International Conference on Asian and Pacific Coasts (Singapore, 13-16 October, 2009)

Date: 13-16 October, 2009

Venue: Nanyang Technological University (NTU), Singapore

Organizer: Maritime Research Centre, NTU, Singapore
DHI-NTU Centre, Singapore

Introduction: The fifth Asian and Pacific Coastal Engineering Conference (APACE 2009) will be held on the campus of Nanyang Technological University (NTU), Singapore, in September 2009. This conference will be jointly organized by the Chinese Ocean Engineering Society, the Coastal Engineering Committee of Japan Society of Civil Engineers, the Korean Society of Coastal and Ocean Engineers, and the Maritime Research Center at Nanyang Technological University, Singapore.

The aim of APAC (Asian and Pacific Coastal Engineering Conferences) is to promote technological progress and activities, information exchange and cooperation. It is also a platform for engineers and researchers to keep abreast of the scientific and technological advance in development of coastal, port, and ocean engineering and other related fields. The previous four highly successful conferences were held in the following countries:

The First Asian and Pacific Coastal Engineering Conference (APACE 2001) was held in Dalian, China, 2001.

The Second International Conference on Asian and Pacific Coasts (APAC 2003) was held in Chiba, Japan, 2004.

The Third International Conference on Asian and Pacific Coasts (APAC 2005) was held in Seogwipo, Jeju Island, Korea, 2005.

The Fourth International Conference on Asian and Pacific Coasts (APAC 2007) was held in Nanjing, China, 2007.

Themes

Coastal oceanography and meteorology (waves, currents, tides, tsunami, etc.)

Coastal sedimentary processes and their control measures

Design and investigation of coastal and harbour structures
Reclamation

Coastal environmental problems and marine ecology

Coastal zone management and planning

Coastal fishery problems and resource management

Shallow water flow

Global environmental problems

Remote sensing / laboratory and field measurement techniques

Miscellaneous coastal problems

Contact: secretary@apac2009.org

URL: www.apac2009.org

More Coming Events in ISI Website

- 34th IAHR Biennial Congress (Australia, 26 June-1 July 2011)
- 12th International Symposium on the Interactions between Sediments and Water (Dartington, England, 19-23 June 2011)
- A conference of the World Organisation of Dredging Associations (Beijing, China, 9–14 Sept. 2010)
- River Flow 2010 (Germany, Sep. 8-10, 2010)
- 9th International Conference on Hydroinformatics (Tianjin, China, Sept. 7-11, 2010)
- 11th International Symposium on River Sedimentation (Stellenbosch, South Africa, 6-9, Sep. 2010)
- Ninth International Conference on Hydro-Science and Engineering (India, Aug. 2-5, 2010)
- 6th International Symposium on Environmental Hydraulics (Greece, 23-25 June 2010)
- Third International Conference on Debris Flow (24 - 26 May 2010, Milano, Italy)
- Integrated River Basin Management Conference (Lille, France, 15-17 March 2010)
- 5th International Conference on Asian and Pacific Coasts (Singapore, 13-16 October, 2009)

More

(<http://www.irtces.org/isi/>)

Newsletter Layout and Production:

ISI Technical Secretariat

The ISI Newsletter is sent quarterly to ISI-Steering Committee members and interested experts. Please send your contributions to the Chairman of ISI SC at manfred.spreadico@bafu.admin.ch or ISI technical Secretariat at chliu@iwhr.com



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