

# INTERNATIONAL SEDIMENT INITIATIVE

# NEWSLETTER

*Reporting ISI news to you quarterly*

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## NEWS

### Seminar on Global Climate Change and Water Resources held for IRTCES Silver Jubilee celebration



A Seminar on Global Climate Change and Water Resources was held in the International Research and Training Center on Erosion and Sedimentation (IRTCES) on April 17, 2009. It is one of activities of IRTCES Silver Jubilee celebration. Dr. A. Szöllösi-Nagy, Deputy Assistant Director General of UNESCO, and Dr. WANG Hao, Academician of Chinese Academy of Engineering, were invited to make presentations in the seminar. Dr. R. Jayakumar, Programme Specialist for Science, Technology and Environment of UNESCO Office Beijing; Mr. Jin Hai, Division, Chief of Department of International Cooperation, Science and Technology of Ministry of Water Resources, P. R. China (MWR), and Mr. Zhang Jianxin of Chinese National Committee for the IHP participated in the seminar. About 100 officials, experts, engineers and students from the MWR, UNESCO, Chinese National Committee for the IHP, IRTCES, China Institute of Water Resources and Hydropower Research, Tsinghua University and Beijing Forestry University etc. attended the seminar. Prof. Hu Chunhong, Secretary-General and Deputy Director of IRTCES gave a welcome speech and chaired the seminar.



In Dr. Szöllösi-Nagy's presentation "Global change impacts, including those of climate change on water

resources", he mentioned that climate change is effecting our environment, our societies and our cultures. These changes we face are due to various drivers e.g. population growth, land use change, migration, urbanisation and climate change. It is important to address current problems with current variability and develop adaptation strategies at the local level by using regional approach – not global. Dr. Szöllösi-Nagy showed his broad field of vision in his presentation which is rich in content by his excellent presentation.

Dr. Wang Hao's presentation is "Water Resources and Water Environment in China". Dr. Wang presented the general status of water resources, water environment and water development in China comprehensively by showing many figures and tables. He also analyzed in depth the eco-environment issues related to water. He explained profound theories in simple language with accurate and full information. The following three aspects of understandings could be obtained from his presentation: a more comprehensive understanding of the characteristics of water and its development in China, a clearer understanding of the basic water resources condition, and a more profound understanding of the significance of practicing new concept of sustainable water management and development.

Discussions followed the presentations. Dr. Szöllösi-Nagy high praised Dr. Wang's presentation and invited him to contribute to next edition of the World Water Development Report (WWDR).

(by LIU Cheng, IRTCES)



### Iceland President Meets with IWHR President (Director of IRTCES)

Iceland President Ólafur Ragnar Grímsson met with IWHR President (Director of IRTCES) Kuang Shangfu and other Chinese delegates at president's residence in Reykjavik, the capital of Iceland on June 23, 2009.

President Ólafur Ragnar Grímsson firstly expressed his gratitude to IWHR President Kuang Shangfu for attending World Congress 2009 and its Council Meeting of International Hydropower Association (IHA). He hoped that IWHR President Kuang Shangfu's visit would further promote and expand bilateral cooperation and exchange on earthquake forecasting, influence on icebergs by climate change and water resources management. He also particularly invited Chinese experts and businessmen

headed by IWHR President Kuang Shangfu to visit Iceland again at their convenient time so as to further understand Iceland's situation and experience in renewable energies such as hydropower and ground heat and contribute to promoting exchange and cooperation in energy research and development for both countries.



IWHR President Kuang Shangfu expressed his honor and appreciation for Iceland President's warm invitation and esteem for his great foresight and deep insight. He said he would be willing to actively promote cooperation in relevant research areas between China and Iceland and sincerely invite Iceland President to visit IWHR when he visits China next time.

Finally, Iceland President presented a gift with his own inscription to IWHR President Kuang Shangfu. (Source: <http://www.iwahr.com>)

### The Third Yangtze Forum opened in Shanghai, China



The Third Yangtze Forum jointly organized by the Shanghai Municipal Government and Changjiang Water Resources Commission of Ministry of Water Resources was opened on April 20, 2009 in Shanghai.

The forum is centered at the theme of "Yangtze River, Yangtze Estuary and City", and covers topics of healthy river, ecology of river estuary and promoting harmonious development of cities. Minister Chen Lei and vice minister Hu Siyi presented at the forum and delivered speeches. Ms. Cai Qihua, Commissioner of the Changjiang Water Resources Commission took charge of the forum.

The forum includes minister's forum and five sub-forums, and aims at build a platform for dialogue and academic discussions. About 400 participants from 11 provinces or autonomous regions in the Yangtze Basin

and representatives from more than 20 countries took part in the forum.

(Source: <http://www.mwr.gov.cn/english>)

### Catalan rivers suffer from sediment accumulation (Spain)

Despite the great difficulties in quantifying all the environmental and human factors that affect sediment discharge by rivers into the sea, a group of Catalan scientists has compiled data to describe and evaluate the solid sediment discharge from nine river basins in Catalonia – the Ter, Foix, Gaia, Besós, Llobregat, Francolí, Tordera, Muga, and Fluvia. "This was a slow job, with its fair share of difficulties", Miquel Canals, one of the authors of the study and a senior professor in Marine Geology at the University of Barcelona (UB), tells SINC.

The article, which has been published recently in the Journal of Hydrology, shows that the impact of human activities, through dams, agriculture, and changes to soil use, is the main cause of sediment accumulation.

The Catalan river basins have "a steep descent, easily eroded rocks, considerable plant cover, and little precipitation". Camino Liqueste, lead author of the study and a doctor at the UB, tells SINC that these basins "may have one of the lowest rates of water and sediment discharge of all the rivers flowing into the Mediterranean".

(..... full story can be seen in the ISI WebPages)

(Source: <http://www.eurekalert.org>)

### Fox River Grove dredges harbor (USA)

The Fox River harbor in Fox River Grove is undergoing dredging to make the area accessible to boats once again.

Rich Lauritsen, the chairman of the dredging committee for the Fox River Grove harbor team, said the water in the harbor used to be 4 feet deep but now is less than 2 feet deep. That caused problems for boaters such as Don Koss.

"The sediment has made the harbor less useful," Koss said. "It's hard to get the boats in and out, and it pulls a lot of muck into your engine. Many [propellers] have been killed while going in and out of the harbor."

Sediment that has collected in the harbor from past flooding is being removed by scuba divers using 4-inch hydraulic vacuums, which suck the material into containers called geotubes. According to Lauritsen, more frequent flooding over the past decade has allowed the sediment to build up more quickly than usual.

(..... full story can be seen in the ISI WebPages)

(Source: <http://www.nwherald.com/>)

### Half of Banten's coastline suffers from erosion (Indonesia)

An environmental study conducted by a group of Tirtayasa University (Untirta) students on coastal districts in Banten concluded that almost half of Banten's coastline was suffering from erosion.

The students found the most serious damage caused by erosion occurred in Sumur district in Pandeglang reGENCY, Bojonegara; Lontar, Pulau Dua and Puloampel districts in Serang reGENCY; Kronjo, Mauk, Sukadiri, Pakuhaji, Teluknaga and Kosambi in Tangerang reGENCY.

"Based our results, the sea has moved 60 to 70 meters inland in the past 20 years, Mulyana, one of the students said in Serang on Thursday.

According to the students, serious erosion occurred in those districts because there were no mangrove trees to protect the land from waves and no preventive measures put in place by local administrations.

To help prevent erosion, students from Untirta's Schools of Maths and Agriculture planted a thousand mangrove trees at Karangantu beach in Serang while conducting the study.

(..... full story can be seen in the ISI WebPages)

(Source: <http://www.thejakartapost.com/>)

### Soil erosion slows along China's Yellow River

Ningxia Hui Autonomous Region, an arid area in northwest China, has reported marked reduction of mud and sand washed into the Yellow River, thanks to soil and land conservation efforts over the past years.

Ningxia had harnessed soil erosion over an area of 19,500 square kilometers, or 40 percent of the region's total, as of the end of last year, and mud and sand washed into the Yellow River had been reduced by 40 million tons annually since 2003, said an official with local water resources department on Thursday.

"The regional government spent more than 4 million yuan (US\$590,000) on average each year to harness soil erosion," said Zhang Ning, an official with soil and water conservation bureau of the regional Water Resources Department.

(..... full story can be seen in the ISI WebPages)

(Source: Xinhua)

### More News in ISI Website

- Sediment a big factor in river quality (New Zeland)
- Contents of IJSR (Vol. 24, No.2, 2009)
- Iceland President Meets with IWHR President (Director of IRTCES)
- Chinese watchdog suspends approval to constructions unqualified for environmental assessment
- China leads world in dam construction
- Catalan rivers suffer from sediment accumulation (Spain)
- Fox River Grove dredges harbor (USA)
- SedNet Newsletter - May 2009
- Half of Banten's coastline suffers from erosion (Indonesia)
- Soil erosion slows along China's Yellow River
- Toxic Hudson River Sediment Could Poison Texas Aquifer (USA)
- The 3rd Yangtze Forum Held in Shanghai, 20-21, April, 2009
- Flow of many rivers in decline worldwide: Study
- The Third Yangtze Forum opened in Shanghai, China
- Seminar on Global Climate Change and Water Resources held for IRTCES Silver Jubilee celebration
- Hydrel project protects eco-system of Yellow River (China)
- Climate change will hit China hard, says UK scientist
- Chinese Minister Chen Lei met UN Deputy Secretary-General
- UN official: China can act as role model on water resources management

More .....

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

## CONFERENCE REPORT

### The 3rd Yangtze Forum Held in Shanghai, 20-21, April, 2009



On the Yangtze Forum, The Shanghai Declaration was announced aiming at the protection and management of the Yangtze Estuary. It proposed to balance the relationship between regional economic development and

integrated water resources management within the Basin as well as the relationship between the development and utilization of water resources and the protection of ecosystem environment so that the social and economic development can cope with the population, resources and environment within the Basin.

Themed at "Yangtze•Estuary•Cities", the Third Yangtze Forum comprises a Summit Forum and five parallel Sub-forums, i.e. "Estuary Regulation and Ecological Protection", "Climate Change and City Water Safety", "Integrated River Basin Management", "Corporate Engagement" and "River Ecosystem Monitoring and Adaptive Management". More than 400 senior domestic and foreign representatives, coming from more than 20 countries and 11 provinces along the Yangtze River were invited to attend the Forum. It is expected that knowledge exchange, effective coordination and high-level dialogue between stakeholders can be realized through this platform to exploit more solutions for maintaining the ecosystem of the Yangtze River.

Dr. András Szöllösi-Nagy, Director of the Division of Water and Secretary of the UNESCO-IHP was invited to attend the 3rd Yangtze Forum and give a keynote speech titled "Global Change impacts, including those of climate change on water resources" on the Sub-forum "Climate Change and City Water Safety".

The Yangtze Forum is planned to be held every two years and will be organized by the provinces and municipalities along the Yangtze River in turn. Jiangsu Provincial Government will host the next session in 2011.

More than 20 medias come to report this event including the People's Daily, Xinhua News Agency, CCTV, China National Radio, Economy Daily and China Water etc.

(HUANG Yan, CWRC)



## PUBLICATION

### Papers Published in Issue 2, Volume 24, 2009, International Journal of Sediment Research



Volume 24, Number 2

June 2009

#### Technical Papers

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

Experimental Study on Scour and Flow Field in a Scour Hole around a T-Shape Spur Dike in a 90° Bend  
Masoud GHODSIAN and Mohammad VAGHEFI

Experimental Study on Three Dimensional Movements of Particles I Effects of Particle Diameter on Velocity and Concentration Distributions and Concentration Distribution  
Limo TANG and Xingkui WANG

Experimental Study on Three Dimensional Movements of Particles II Effects of Particle Diameter on Turbulence Characteristics

Limo TANG and Xingkui WANG

Variability in Rainfall Threshold for Debris Flow after the Chi-Chi Earthquake in Central Taiwan, China

C. L. SHIEH, Y. S. CHEN, Y. J. TSAI, and J. H. WU

Optimization of the Sefid-Roud Dam Desiltation Process Using a Sophisticated One-dimensional Numerical Model

Ali KHOSRONEJAD

Changes in Sediment Transport in the Kuye River in the Loess Plateau in China

Jueyi SUI, Yun HE, and Cheng LIU

Currents Induced by Vertical Varied Radiation Stress in Standing Waves and Evolution of the Bed Composed of Fine Sediments

Jingxin ZHANG and Hua LIU

Soil Loss and Displacement by Heavy Equipment in Forest Road Subgrading Projects

Aidin PARSAKHOO, Seyed Ataollah HOSSEINI, Majid LOTFALIAN, and Hamid JALILVAND

Influence of Bank Vegetation and Gravel Bed on Velocity and Reynolds Stress Distributions

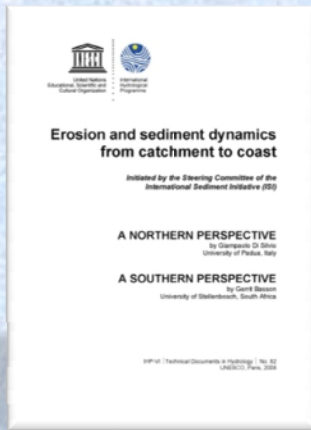
Hossein AFZALIMEHR and Subhasish DEY

#### **IHP technical document "Erosion and sediment dynamics from catchment to coast"**

UNESCO-IHP Technical Documents in Hydrology No. 820  
Erosion and sediment dynamics from catchment to coast

1. A Northern Perspective  
by Professor Giampaolo Di Silvio
2. A Southern Perspective  
by Professor Gerrit Basson

Free download at: [http://www.irtces.org/isi/WebNews\\_View-en2.asp?WebNewsID=392](http://www.irtces.org/isi/WebNews_View-en2.asp?WebNewsID=392) or  
<http://unesdoc.unesco.org/images/0017/001790/179062e.pdf>



## ISI Brochure (2009 Version)

New version of ISI Brochure is now available. Please download at: [http://www.irtces.org/isi/WebNews\\_View-en2.asp?WebNewsID=393](http://www.irtces.org/isi/WebNews_View-en2.asp?WebNewsID=393)



## 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)
- Handbook on Integrated Water Resources Management in Basins (GWP & INBO)
- Global change impacts, including those of climate change on water resources (A. Szöllösi-Nagy)

More .....

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

## COMING EVENTS

### IRTCES Silver Jubilee Celebration and Seminar on Integrated River Basin Management under Global Climate Change (Beijing, July 29, 2009)

#### Organized by

International Research and Training Centre on Erosion and Sedimentation under the Auspices of UNESCO

**Date:** July 29, 2009 (Wed.)

**Venue:** Media Center Hotel, Beijing

#### Tentative Agenda

9:30-11:30: **IRTCES Silver Jubilee Celebration**

Speech by Mr. CHEN Lei, Minister of Water Resources of China

Speech by Prof. Walter R. Erdelen, Assistant Director General of UNESCO

Issuing Qian Ning Prize for Erosion and Sedimentation Technology by Mr. Chen Lei and Mr. W.R. Erdelen

Tea break

IRTCES Report by Prof. KUANG Shangfu, Director of IRTCES

Speech by Mr. Abhimanyu Singh, Director of the UNESCO Office in Beijing

Speech by Mr. FANG Maotian, Secretary General of Chinese National Committee for UNESCO (to be invited)

Speeches by representatives of international experts

13:30-17:00: **Seminar on Integrated River Basin Management under Global Climate Change**

Keynote Lecture by Prof. W.R. Erdelen, Assistant Director General of UNESCO: Integrate River Basin Management, Biodiversity and Global Climate Change,

Keynote Lecture by Prof. Liu Changming, Academician of China Academy of Science

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

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

### International Advanced Training Workshop on Integrated River Basin Management (Beijing, July27-Aug. 2, 2009)

#### Organized by

International Research and Training Centre on Erosion and Sedimentation under the Auspices of UNESCO

#### Sponsored by

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

#### Co-sponsored by

World Association for Sedimentation and Erosion Research (WASER)

The Chinese National Committee for IHP

**COURSE CONTENTS:**

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

- (1) Integrated River Basin Management
- (2) Water Resources Management and Allocation
- (3) River Basin Water and Soil Conservation
- (4) River Ecology and its Restoration Methods
- (5) Case Study: Introduction of South-to-North Water Diversion Project in China
- (6) Visit to the Laboratory of IWHR(China Institute of Water Resources and Hydropower Research)
- (7) Technical Tour: Field Visit to Small Watershed Management Demonstration in Suburb of Beijing
- (8) Seminar

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**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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**3rd International Conference on Estuaries & Coasts (Japan, September 14-16, 2009)**

**Date:** September 14-16, 2009

**Conference Venue :** Tohoku University, Sendai, Japan.

**Summary:** After great success of ICEC2003 (Hangzhou, China) and ICEC2006 (Guangzhou, China), ICEC2009 will be held in Sendai, Japan, co-organized by Department of Civil Engineering, Tohoku University and the International Research and Training Center on Erosion and Sedimentation (IRTCES). You are invited to attend the conference to exchange our knowledge and experiences related to estuarine and coastal issues.

**Conference Topics:**

- Estuarine and Coastal Processes
- Estuarine Eco-Environment and Its Protection
- Maintenance and Management of Waterways in Estuaries and Harbors
- Research Technologies for Estuarine Engineering

**URL:** <http://donko.civil.tohoku.ac.jp/icec2009/index.html>

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**Workshop on 'Sediment problems and sediment management in Asian river basins'**

**Date:** 06-12 September, 2009

**Venue:** Hyderabad, India

**Introduction:** Sediment problems are assuming increasing importance in many areas of the world. These problems relate to the adverse effects of sediment in both water resource development and river management and to the wider environmental impact of sediment in degrading aquatic ecosystems. Changing sediment fluxes can also have important implications for nutrient inputs to freshwater and coastal ecosystems and for the stability of channels and floodplains and river deltas. With their high sediment fluxes and the sensitivity of these fluxes to climate change and to land use change and other human impacts, such as dam construction and river regulation, Asian river basins currently face many sediment-related problems. There is a need for improved understanding of these problems and the sediment budgets of river basins and for the development of effective management strategies. This workshop, organised in collaboration with UNESCO ISI and WASER, will seek to review the nature and extent of sediment problems in Asian River Basins and current progress towards developing effective sediment management strategies. Topics to be addressed will include the present and future impacts of climate change, the interaction of different factors causing changing sediment fluxes, sediment management strategies and their effectiveness, and the development of sediment monitoring networks to support effective sediment management.

**Convener:** Des Walling (UK), [d.e.walling@exeter.ac.uk](mailto:d.e.walling@exeter.ac.uk)

**Co-conveners:** Jim Bogen (Norway)

Chunghong Hu (China)

Anil Mishra (UNESCO)

S.C. Rai (India)

Manfred Spreafico (Switzerland)

**URL:** <http://www.appliedhydrology.org/iahs/>

### Global Change-Challenges for Soil Management (Serbia, May 27- 30, 2009)

**Date:** May 27- 30, 2009

**Venue:** Tara Mountain/Serbia

**Background:** Soil, like air and water, is essential to support life on earth. Over 90 % of all human food and livestock feed are produced from the land and from on soils which vary in quality and extent. Of the earth's 13 million hectares of ice free-land surface, only 3 % is covered with highly productive soils, just 6% with moderate productive, and 13 % with slightly productive soils. The remaining 78% of the land has limitations that inhibit the sustainable cultivation of its soils and sometimes even limit grazing. However, it is in such marginal lands that most land and soil degradation occurs (Hurni et al, 1996). It is from this context that we launch this International Conference of the World Association of Soil and Water Conservation (WASWC) with the hope that, together, our Association will discover new and better ways of counteracting the effects of land degradation and building more secure and self-sustainable patterns of agricultural land husbandry.

**Initiated by:** World Association of Soil and Water Conservation – WASWC; Faculty of Forestry, Belgrade University, Serbia

**Organized jointly with:** World Association for Sedimentation and Erosion Research - (WASER); European Society of Soil Conservation (ESSC)

**Convened in line with the objectives of:** International Sediment Initiative (ISI – UNESCO)

**Conference topics:** Topic 1: Global Change and Soil Degradation; Topic 2: Water Management; Topic 3: Soil Erosion, Sediment Transport and Sedimentation Processes; Topic 4: Erosion and Torrent Control in Environmental Change; Topic 5: Desertification; Topic 6: Socio – Economic,

Legal and Institutional Aspects of Soil and Water Conservation; Topic 7: Implementing Global/Regional Projects; Topic 8: Work of Younger Scholars;

**Contacts to Conference Organizers:** Prof. Dr. Miodrag Zlatic - E-mail: [miodrag.zla@sbb.rs](mailto:miodrag.zla@sbb.rs) ; [mizlatic@yahoo.com](mailto:mizlatic@yahoo.com)

### 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](mailto: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:** 19-23 June 2011: 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](http://www.geog.plymouth.ac.uk/IASWS2011)

### 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](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](http://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](mailto:daniele.dewrachien@unimi.it))  
 Gian Battista Bischetti (University of Milan, Italy, [bischetti@unimi.it](mailto:bischetti@unimi.it))  
 Francesco Gentile (University of Bari, Italy, [francesco.gentile@agr.uniba.it](mailto:francesco.gentile@agr.uniba.it))  
 Luca Mao (University of Hull, UK, [L.Mao@hull.ac.uk](mailto:L.Mao@hull.ac.uk))

### 33rd IAHR CONGRESS

Co-located with the 19th CANADIAN HYDROTECHNICAL CONFERENCE and Co-sponsored by the Canadian Society for Civil Engineering

**Date:** August 10-14, 2009

**Venue:** Vancouver, British Columbia, Canada

**WELCOME:** On behalf of the entire local organizing committee and IAHR council members, we invite you to join

us in Vancouver, British Columbia for an event you will not want to miss! We take great pleasure in announcing the 33rd IAHR Biennial Congress, August 10-14, 2009. Themed "Water Engineering for a Sustainable Environment," the Congress focuses on the central roles of hydraulic engineering and hydroinformatics in water engineering for a sustainable environment, and how these roles link to broader aspects of environment sustainability in watershed and coastal settings. By 2009, it will have been 12 years since an IAHR Biennial Congress was held in North America. The last North American venue was San Francisco, in 1997. That Congress was well received and attracted approximately 1,000 registrants. The North American hydraulics community is extensively represented in IAHR's membership (some 15-20% of the total) and looks forward to once again welcoming international colleagues to an IAHR Congress at an attractive North American location. Several organizations with broad representation from the North American water engineering community – namely EWRI-ASCE, COPRI-ASCE, UBC, and CSCE – are collaborating with IAHR to organize the 33RD IAHR Congress and the co-located 19th Canadian Hydrotechnical Conference.

#### CONGRESS TOPICS:

- Topic A. Advances in the Fundamentals of Water Science and Engineering
- Topic B. Water Engineering in Support of Built Environments
- Topic C. Water Engineering for the Protection and Enhancement of Natural Watershed and Aquifer Environments
- Topic D. Water Engineering for Sustainable Coastal and Offshore Environments (Built and Natural)
- Topic E. Advances in Hydroinformatics for Integrated Watershed and Coast Management

**URL:** <http://content.asce.org/conferences/iahr09/>

#### CONTACTS:

Congress Manager & overall conference administration:  
 Stacey Ann P. Gardiner, CMP, Congress Manager, E-mail: [IAHRConferenceManager@asce.org](mailto:IAHRConferenceManager@asce.org)  
 Paper Management Services & questions: Sheana Singletary, Program Administrator, E-mail: [ssingletary@asce.org](mailto:ssingletary@asce.org)

### 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](mailto:secretary@apac2009.org)

**URL:** [www.apac2009.org](http://www.apac2009.org)

#### More Coming Events in ISI Website

- 9th International Conference on Hydroinformatics (Tianjin, China, Sept. 7-11, 2010)
- Integrated River Basin Management Conference (Lille, France, 15-17 March 2010)
- 4th Int. Symposium on Contaminated Sediments: Sustainable Management and Remediation (Ireland, June 30-July 3, 2009)
- Session on 'The influence of dams on sediment regimes and implications for management' (April 19-24 2009, Viena, Austria)

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](mailto:manfred.spreadico@bafu.admin.ch) or ISI technical Secretariat at [chliu@iwhr.com](mailto:chliu@iwhr.com).



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