

INTERNATIONAL SEDIMENT INITIATIVE

NEWSLETTER

Reporting ISI news to you quarterly

No. 15 Dec. 29, 2009

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IN THIS ISSUE

News

- ✧ The 17th Regional Steering Committee Meeting for the UNESCO IHP for Southeast Asia and the Pacific organized in Wuhan, China 1
- ✧ Hungarian State Secretary Visits, People's Livelihood Focused 1
- ✧ The 4th International Yellow River Forum Opened In Zhengzhou, China 1
- ✧ UNESCO DG signs agreement establishing first UNESCO category 2 centre on freshwater in the US 2
- ✧ World Lake Conference begins in central China lake city 2
- ✧ Inauguration and installation of Prof. Szécsi-Nagy, Rector of UNESCO-IHE 2
- ✧ More News in ISI Website 3

Conference Report

- ✧ UNESCO Workshop of Climate Change and its Adaptive Strategies for Water Resources Management held in Zhengzhou, China 3
- ✧ Declaration of the 4th IYRF on River Ethics 4

Publication

- ✧ Papers Published in Issue 4, Volume 22, 2009, IJSR 5
- ✧ Publications in ISI Information System 5

Coming Events

- ✧ 11th International Symposium on River Sedimentation (Stellenbosch, South Africa, 6-9, Sep. 2010) 6
- ✧ 34th IAHR Biennial Congress (Australia, 26 June-1 July 2011) 6
- ✧ 12th International Symposium on the Interactions between Sediments and Water (England, 19-23 June 2011) 6
- ✧ Ninth International Conference on Hydro-Science and Engineering (India, Aug. 2-5, 2010) 6
- ✧ International Symposium on Sediment Dynamics for a Changing Future (Poland, June 14-18, 2010) 7
- ✧ 6th International Symposium on Environmental Hydraulics (Greece, 23-25 June 2010) 7
- ✧ A conference of the World Organisation of Dredging Associations (Beijing, China, 9-14 Sept. 2010) 7
- ✧ Third International Conference on Debris Flow (24 - 26 May 2010, Milano, Italy) 7
- ✧ More Coming Events in ISI Website 8

The 17th Regional Steering Committee Meeting for the UNESCO IHP for Southeast Asia and the Pacific organized in Wuhan, China



The 17th Regional Steering Committee (RSC) Meeting for the UNESCO International Hydrological Programme for Southeast Asia and the Pacific (UNESCO-IHP SEAP) was organized in Wuhan, China on November 5-6, 2009. Over 40 participants from Australia, Cambodia, China, DPR Korea, Japan, Laos, Indonesia, Malaysia, Mongolia, Myanmar, New Zealand, Papua New Guinea, Philippines, Korea, Thailand, Vietnam, UNESCO Office Jakarta and UNESCO Office Beijing attended the meeting.

The main contents of the meeting includes: reports of global IHP activities by UNESCO Offices Jakarta and Beijing, country reports on IHP activities by National Committees for the UNESCO IHP, Development of Centres under the auspices of UNESCO, reports from UNESCO water-related Category II Centres, activity plans and ongoing project examinations. The member states of the meeting nominated and unanimously approved China to be the RSC Chairperson for the next session, and Mr. LIU Heng, the Vice Chairman of the China National Committee for the UNESCO IHP, was elected to be the RSC Chairperson for 2009-2011 by the China National Committee.

The participants visited Wuhan Guan Hydrological Station on the Yangtze River and the Hydrological Forecast Center of the Yangtze River Commission after the meeting.

On behalf of the International Research and Training Center on Erosion and Sedimentation (IRTCES), the first UNESCO water related Category II Center, and Technical Secretariat of UNESCO-IHP-International Sediment Initiative (ISI), Dr. LIU Cheng made a report of "IRTCES and ISI Technical Secretariat." (by LIU Cheng)

Hungarian State Secretary Visits, People's Livelihood Focused



Hungarian State Secretary of Ministry for Environment and Water László KÓTHAY visited IWHR and International Research and Training Center on Erosion and Sedimentation (IRTCES) on October 12 before continuing his 10-day trip to Yellow River International Forum, which is to be held in Zhengzhou, the capital city of Henan Province in Central China.

IRTCES Deputy Director GAO Zhanyi greeted the Hungarian delegation, which included four directors and two officials from Hungarian Embassy to China, in the headquarters of the organization. Both parties had a pleasant discussion on people-oriented water resources management, water diversion projects, information release mechanism, global climate change and other topics of shared interests.

An introduction of IRTCES was given on the financial sources, training program, publications, staff, history and other basic information of the organization, and potential cooperation discussed.

The 4th International Yellow River Forum Opened In Zhengzhou, China



October the 20th, 2009, the world-wide occasion—the 4th International Yellow River Forum that sponsored by the Yellow River Conservancy Commission is opening in Zhengzhou City. Thousands of honored guests gathered, surrounding the central theme of "Ecological Civilization and River Ethics" to conduct discussion.

Nine sub-themes have been convened as: (1) social and environmental impact of climate change; (2) climate change and sustainable water resources management; (3) cases of watershed rehabilitation; (4) scientific meanings of ecological civilization, pathway and key methodologies of river restoration; (5) ecological civilization, modern river basin management and restoration; (6) river ethics and healthy life of rivers; (7) application of experiences and new technologies of water resources management; (8) sediment management of high silt-laden rivers and reservoirs; and (9) water right transfer, water safety, water environment, water market and water saving. The Forum also arranges 10 special sessions hosted jointly by YRCC, governments of some countries and famous international organizations including WWF Session: Master Plan towards Integrated River Basin Management; International High-level Forum of River Basin Management; High-level Dialogue on Sino-EU River Basin Management; Sino-Australian Cooperation Project Session; Sino-Hungarian Water Resources Session; INBO Special Session; The 24th Sino-Japanese Water Resources Communication Meeting; UNESCO Special

Session; GWP Yellow River Session: Water Allocation and Water Diversion Project in the Yellow River Basin, etc. (Source: YRCC <http://www.yrcc.gov.cn/>)

UNESCO DG signs agreement establishing first UNESCO category 2 centre on freshwater in the US

On Thursday 29 October 2009, the Director-General of UNESCO, Mr Koichiro Matsuura, signed with Major General Don T. Riley, Deputy Commanding General of the United States Army Corps of Engineers (USACE), an agreement establishing the UNESCO International Centre for Integrated Water Resources Management (ICIWaRM) in Alexandria, Virginia.

Also present at the signing ceremony was Dr Robert Pietrowsky, Director of the USACE Institute of Water Resources, which will host the centre, and Dr Eugene Z. Stakhiv, Technical Director of UNESCO-ICIWaRM.

“Today, we establish the first category 2 centre in the US. It is a very important moment. For UNESCO to expand its freshwater programme we need the involvement of the US science community – we need its expertise, its creativity, its entrepreneurship,” the Director-General said on signing the agreement. He went on to explain that ICIWaRM would join a powerful global network of over 40 category 2 centres operating under the aegis of UNESCO, around half of which are in the field of freshwater. “Promoting more sustainable freshwater management has been a top priority of my tenure at UNESCO. The creation of this new centre will significantly bolster our implementing capacity in this area”, Mr Matsuura underlined, stating that the new centre would notably increase support to developing countries, especially in Africa.

Major General Don T. Riley congratulated Mr Matsuura on his remarkable achievements at UNESCO. “You can leave knowing that you have made a very big difference to the lives of millions. And with the creation of this new centre, UNESCO will go on to help millions more”, the Major General affirmed. He highlighted that the US Army Corps of Engineers had a long history in water resources management, with strong links to hundreds of academic institutions and NGOs in the US. “Our aim is to promote greater peace and security. When we talk about water supply we are talking about quality of life”, the Major General said, referring to the role ICIWaRM could play in helping populations anticipate water needs and adapt to the impact of global climate change.

Dr Robert Pietrowsky underscored the importance the US attached to UNESCO’s work in freshwater, noting that collaboration in this area had significantly expanded following the country’s return to the Organization in 2003. He referred to the new centre as an opportunity to further reinforce this partnership, explaining that good relations had already been established between ICIWaRM and other UNESCO category 2 centres, as well as UNESCO-IHE Institute for Water Education. The Director-General said that this outreach was “a very good indicator of the centre’s future success”, adding that he very much looked forward to hearing of ICIWaRM’s achievements. (Source: <http://www.unesco.org/water/>)

World Lake Conference begins in central China lake city



The 13th World Lake Conference was kicked off Sunday in Wuhan, a city at the confluence of the Yangtze River and its tributary Hanjiang River in central 's Hubei Province. More than 1,000 environmental experts, scholars and government officials from more than 40 countries are attending the conference, which will last through Thursday.

The conference will focus on the lake eco-system restoration. An exhibition showing many lake cities' efforts in combating the water contamination also opened here on Sunday. More than 450 people are going to deliver academic reports and make lectures, focusing on the impact of global warming on lakes, strategies and policies on management of lake water environment, approaches to pollution control and ecological conservation concerning lakes. Participants to the conference will also exchange views on sustainable use of lakes and public participation in this regard.

The World Lake Conference, initiated by the International Lake Environment Committee, was first held in 1984. Since then, it has been held biennially in wide-ranging locations including the United States, Hungary, China, Italy, Japan, Argentina, Denmark, Kenya and India. China previously hosted the conference in 1990 in Hangzhou, Zhejiang Province.

The host city Wuhan, capital of Hubei Province, has 166 lakes, 272 reservoirs and 165 rivers or streams, which cover more than a quarter of its total land area. It is called "the city of a hundred lakes". (Source: Xinhua)

Inauguration and installation of Prof. Szöllösi-Nagy, Rector of UNESCO-IHE



On 5 November, Professor András Szöllösi-Nagy presented his Inaugural Address entitled: 'Learn from you errors - if you can! – reflections on the value of hydrological forecasting models.' Prof. Vonhoff, Chair of the Institute's Foundation Board, opened the special academic session, in which Prof. Szöllösi-Nagy was also formally installed as the new Rector of the UNESCO-IHE Institute for Water Education.

A native of Hungary, Szöllösi-Nagy holds a Doctorate of Science in hydrology and stochastic systems, a PhD in water sciences, and a Doctorem Habilem in hydrology and water resources, the latter two from Budapest University of Technology.

The Inaugural Address of the new Rector traced some of the very interesting, if somewhat convoluted, history of hydrological modeling. He also presented a number of challenges relating to predicting extreme weather events such as floods and flood-related damage. As always, he managed to employ a degree of irreverent humor while discussing scholarly - and for some, complicated - scientific content, keeping both the academic and non-academic audience engaged.

After the Inaugural Address the former Rector, Professor Richard Meganck, passed the academic authority of the Institute's Beadle and Beadle Staff to the care of the new Rector. This short symbolic ceremony transferred both the authority and the responsibility of the academic excellence of the Institute to the new Rector.

After the formal ceremony, all those present were invited to join the more informal celebratory reception. At the reception, several people spoke a few words of congratulations, including Mr. Verkerk, the Mayor of Delft, and Mr. Alberto Tejada-Guibert - the Director of the Division of Water Sciences and the Secretary of IHP at UNESCO, and an alumnus of the Institute - representing the Director General of UNESCO. (Source: <http://www.unesco-ihe.org/>)

More News in ISI Website

- Inauguration and installation of Prof. Szöllösi-Nagy, Rector of UNESCO-IHE
- UNESCO DG signs agreement establishing first UNESCO category 2 centre on freshwater in the US
- The 17th Regional Steering Committee Meeting for the UNESCO IHP for Southeast Asia and the Pacific organized in Wuhan, China
- Sediment in the Gulf of Mexico Seen from Space
- China unlikely to announce completion of Three Gorges project within the year
- Extreme weather forecast for Yangtze over next 50 years: report
- World lake conference ends with calling for pollution control
- World Lake Conference begins in central China lake city
- UNESCO Workshop of Climate Change and its Adaptive Strategies for Water Resources Management held in Zhengzhou, China
- Declaration of the 4th IYRF on River Ethics
- The 4th International Yellow River Forum Opened In Zhengzhou, China
- Hungarian State Secretary Visits, People's Livelihood Focused
- River and Flume Sediment-Transport, and Reservoir-Sedimentation Databases: An International Questionnaire

More

[\(http://www.irtces.org/isi/\)](http://www.irtces.org/isi/)

CONFERENCE REPORT

UNESCO Workshop of Climate Change and its Adaptive Strategies for Water Resources Management held in Zhengzhou, China



UNESCO Workshop of Climate Change and its Adaptive Strategies for Water Resources Management, one of the special sessions of the Fourth International Yellow River Forum, was held in Zhengzhou, China on October 22, 2009. Experts from UNESCO, international organizations and institutes of China made presentations related climate change and water resources management, and followed by discussions.

Presentations are:

Impact of global climate changes in water resources and UNESCO intervention, András Szöllösi-Nagy,

Professor and Rector of the UNESCO-IHE Institute for Water Education

Climate changes and its impact in Chinese water resources, LIU Changming, Academician, Chinese Academy of Sciences (CAS)

Impact of climate changes in the development of Chinese hydropower energy, LIU Heng, Professor and Director of the International Center on Small Hydropower (IN-SHP)

Climate change challenges and immediate adaptive strategies on flood control and drought management in the Netherlands, Paul van Meel, Senior Advisor, DHV BV

Climate changes and changes of total runoff and sediment fluxes from Chinese rivers, LIU Cheng, Professor of the International Research and Training Center on Erosion and Sedimentation (IRTCES)

Introduction on the China Climate Change Partnership Framework Project under UNESCO, Ramasamy Jayakumar, Programme Specialist, UNESCO Office Beijing

Impact of climate on streamflow in headwater catchment of the Yellow River basin, XU Zongxue, Professor, Beijing Normal University

Trend analysis of climate change in the Yellow River basin in the recent decades, QIAN Yunping, Yellow River Conservancy Commission (YRCC)

Impact of climate change and human activities on water resources of the Qinhe River, FU Xinfeng, YRCC

Climate changes and its impact in the Yellow River basin, LIU Jifeng, YRCC

(by LIU Cheng, IRTCES)



András Szöllösi-Nagy, Professor and Rector of the UNESCO-IHE Institute for Water Education



LIU Changming, Academician, Chinese Academy of Sciences (CAS)

Declaration of the 4th IYRF on River Ethics

Water is the source of life and foundation for all beings. As the most miraculous element of Great Nature, water creates and nurtures the growth and reproduction of all species.

Human beings chose to live by water, exist by water, develop by water and multiply along rivers. Such harmonious co-existence between Man and Nature gave rise to brilliant human civilizations.

While modern industrial civilization, science and technology accelerated continuous growth of human strength, human pursuit of profit maximization not only hurt mankind-self but also severely damaged the living environment of all lives. Rivers became hunting targets of human efforts with their lives straggled/plundered and their once beautiful looks devastated and changed beyond recognition. Worldwide, rivers as cradles of civilizations were caught in a crisis of survival.

Aware of its own crisis of survival, humankind began to re-examine the relationship between itself and rivers. Establishment of the philosophy Maintain Healthy Life of Rivers enabled recovered balance of river rights.

We, participants from over 60 countries and regions, gathered in Zhengzhou, China, on October 20th -22nd, 2009, for attendance of the 4th International Yellow River Forum themed Ecological Civilization and River Ethics. Through discussions that covered ecological civilization, river ethics and maintaining healthy life of rivers, we developed a more profound understanding of harmonious co-existence between Man and River and reached extensive consensus, we now jointly release the Declaration on River Ethics:

We recognize, that manipulated by the value of anthropocentrism, many rivers worldwide are drying off, withering or being polluted, facing an unprecedented crisis of survival. The situation need to be changed, and the prominent issues are to promote the awareness of river ethics, explore the meaning of the river life, take the moral responsibility and protect the river.

We acknowledge, the study and construction of a river ethics system and integration of this understandings into the process of human multiplication and growth, will help regulate social behavior of human beings, cultivate and enhance the concept of river life, coordinate the relationship between Man and River and promote their harmonious coexistence.

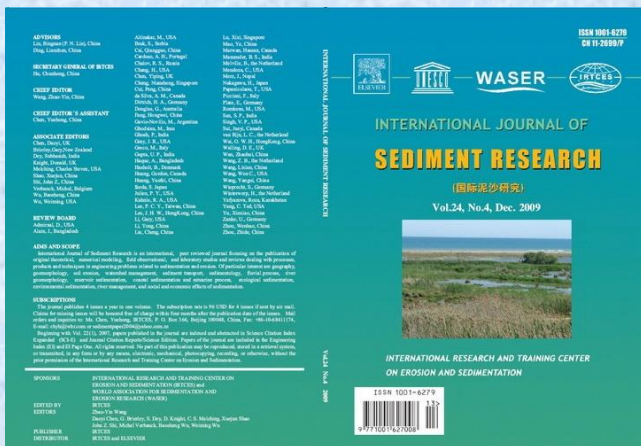
We have the responsibility and obligation, to mobilize all social forces for enhanced studies of a river ethics system and researches into the connotation, rights and value of river life as well as the principles of river ethics, river legislation and maintenance of healthy river life from a multi-dimensional perspective that covers natural sciences, humanities and social sciences, so that we will jointly construct a theory on river ethics and provide strong theoretical support for harmonious co-existence between Man and River.

We have the responsibility and obligation to act as the spokesperson of rivers. Regarding Maintaining Healthy Life of Rivers as our ultimate goal of river training in river-basin management, we will comply with rules of Nature, care for rivers, respect rivers, protect rivers and support sustainable development of basin economies with sustainable utilization of water resources for eternal extension and continuity of national cultures.

We wish for joint promotion of our cause via concerted efforts of all governments, organizations, businesses and social communities that are committed to maintaining healthy life of rivers. We wish all rivers and human live together eternally!

(Source: YRCC)

**Papers Published in Issue 4, Volume 24, 2009,
International Journal of Sediment Research**



Dredging influenced sediment toxicity of endosulfan and lindane on black tiger shrimp (*Penaeus monodon* Fabricius) in Chantaburi River estuary in Thailand
Jayakody Arachchige SUMITH, Preeda PARKPIAN, and Napaporn LEADPRATHOM

Simulated multi-scale watershed runoff and sediment production based on GeoWEPP model
YU Xinxiao, ZHANG Xiaoming and NIU Lili

Technical Notes

Lethal toxicity of industrial detergent on bottom dwelling sentinels
L. I. N. EZEMONYE, D. F. OGELEKA and F. E. OKIEMEN

List of reviewers from 2007 to 2009

Cover Photo: Wetland on the Ebro River delta in Spain

Volume 24, Number 4

December 2009

Technical Papers

Strategies for managing reservoir sedimentation
Zhao-yin WANG and Chunhong HU

Protection of bridge piers against scouring with tetrahedral frames
Hong-Wu TANG, Bing DING, Yee-Meng CHIEW, and Shi-Long FANG

Bedload resistance in supercritical flow
Aireza HABIBZADEH and Mohammad Hossein OMID

A laboratory study of rheological properties of mudflows in Hangzhou Bay, China
Zhenhua HUANG and Huhe Aode

Fine sediment carrying capacity of combined wave and current flows
Qing-He ZHANG, Bing YAN, and Onyx W. H. WAI

Development of FBMINC model for particle diffusion in fluid
Bo QU and Paul S ADDISON

Publications in ISI Information System

- Water and Climate Change: An Overview from the UN World Water Development Report
- UNESCO-IHP in East Asia (Jayakumar et al.)
- Water-related publications (UNESCO Office Beijing)
- NRC CJCE: Special Issue in honour of Professor M. Selim Yalin (1925–2007)
- The Yangtze River Basin Climate Change Vulnerability and Adaptation Report (WWF)
- Streamflow response to climate variability and human activities in the upper catchment of the Yellow River Basin (Zhao F.F. et al.)
- VARIATIONS OF RUNOFF AND SEDIMENT FLUXES INTO THE PACIFIC OCEAN FROM THE MAIN RIVERS OF CHINA (Liu, Wang and Souza)
- Guidelines and Procedures for Computing Time-Series Suspended-Sediment Concentrations and ... (P. P. Rasmussen et al.)

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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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/>

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International Symposium on Sediment Dynamics for a Changing Future (ICCE Warsaw 2010) (Poland, June 14-18, 2010)

From 2010-06-14 to 2010-06-18

Venue: Warsaw, Poland

Summary: The symposium is being organized in continuity of the ongoing series of ICCE symposia. Recent symposia were held in Moscow (2004), Dundee (2006) and Christchurch (2008). The Warsaw ICCE'2010 Symposium will focus on both sediment quantity and quality in river systems, considering:

- The impact of climate and land use change on sediment dynamics,
- The wide ranging ecological, social and economic impacts of changing sediment dynamics,
- The need to refine sediment monitoring and modeling techniques, and

- The need to develop improved management strategies in catchments and river basins.

Organizers: International Association of Hydrological Sciences (IAHS) and the Warsaw University of Life Sciences (SGGW)

Contact Name: Prof Dr Kazimierz Banasik

E-mail: icce2010@sggw.pl

URL: <http://www.icce2010.sggw.pl/>

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)

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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)
- ISARM2010 International Conference: "Transboundary Aquifers: Challenges and new directions" (Paris, 6-8 December 2010)
- 2nd International Conference on Coastal Zones and Management (Sultanate of Oman, Nov. 1-3, 2010)
- 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)
- International Symposium on Sediment Dynamics for a Changing Future (Poland, June 14-18, 2010)
- Third International Conference on Debris Flow (24 - 26 May 2010, Milano, Italy)
- 5th International Symposium on Gully Erosion (Poland, April 20-25, 2010)
- Integrated River Basin Management Conference (Lille, France, 15-17 March 2010)

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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*The UNESCO-UIS Technical Secretariat in
Beijing wishes all friends Season's Greetings
and all the best for the coming year 2010!*