

INTERNATIONAL SEDIMENT INITIATIVE

NEWSLETTER

Reporting ISI news to you quarterly

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IN THIS ISSUE

News

- ◇ China's Education Vice Minister Hao Ping elected as President of UNESCO's General Conference 1
- ◇ 14 members elected/re-elected to the Intergovernmental Council of the IHP of UNESCO 1
- ◇ K-Water Institute experts visits IRTCES 2
- ◇ ISI Steering Committee member Dr. Liu Cheng participate in the 37th UNESCO General Conference 2
- ◇ Report shows Farm Bill conservation practices reduce runoff in Chesapeake Bay watershed (USA) 2
- ◇ More News in ISI Website 3

Conference Report

- ◇ Briefing on the Closing Ceremony of the 2013 International Year of Water Cooperation 5-6 December in Mexico City (Mexico) 4
- ◇ 8th International SedNet conference held in Lisbon, Portugal, 6-9 November 2013 4

Publication

- ◇ Papers published in Issue 4 Volume 28, 2013, IJSR 5
- ◇ Contents of ISWCR (Vol. 1, No.2, 2013) 6
- ◇ Publications in ISI Information System 6

Coming Events

- ◇ 5th International Conference on Estuaries and Coasts (Oman, Nov. 2-4, 2015) 7
- ◇ International Conference on the Status and Future of World's Large Rivers (Brazil, 21-25 July 2014) 7
- ◇ 6th International Conference on Flood Management (Brazil, Sep. 16-18, 2014) 7
- ◇ River Flow 2014 (Switzerland, Sep. 3-5, 2014) 8
- ◇ ICCE Symposium on Erosion and Sediment (USA, Dec 11-14, 2014) 8
- ◇ 7th International Conference on Scour and Erosion (Dec. 2-4, 2014, Australia) 8
- ◇ 11th International Conference on Hydroscience & Engineering (Germany, Sep. 28-Oct. 2, 2014) 8
- ◇ 19th IAHR-APD 2014 Congress (Vietnam, Sep. 21-24, 2014) 9
- ◇ The 4th International Symposium on Sediment Management (Italy, Sept. 17-19, 2014) 9
- ◇ More Coming Events in ISI Website 9

UNESCO “国际泥沙计划” 简报

本期内容

新闻

- ◇ 中国教育部副部长郝平获选教科文组织大会主席 1
- ◇ 14 个会员国获选为教科文组织国际水文计划政府间理事国 1
- ◇ 韩国水利研究院专家访问国际泥沙中心 2
- ◇ ISI 专家指导委员会委员参加教科文组织第 37 届大会 2
- ◇ 技术报告显示农业法案水保措施降低切萨皮克湾流域径流量 (美国) 2
- ◇ ISI 网更多新闻 3

会议报道

- ◇ 在墨西哥城召开的国际水合作年闭幕式概要 4
- ◇ 第 8 届国际 SedNet 学术讨论会在葡萄牙召开 4

出版物

- ◇ 《国际泥沙研究》期刊 2013 年第 28 卷第 4 期论文目录 5
- ◇ 《国际水土保持研究》期刊 2013 年第 1 卷第 2 期论文目录 6
- ◇ ISI 信息系统更多出版物 6

会议信息

- ◇ 第五届河口海岸国际研讨会(阿曼, 2015 年 11 月 2-4 日) 7
- ◇ 世界大河的现状与未来国际学术讨论会(巴西, 2014 年 7 月 21-25 日) 7
- ◇ 第六届国际洪水管理研讨会(巴西, 2014 年 9 月 16-18 日) 7
- ◇ 第七届国际冲积水力学大会(River Flow)(瑞士, 2014 年 9 月 3-5 日) 8
- ◇ 国际大陆侵蚀委员会关于侵蚀与泥沙的讨论会(美国, 2014 年 12 月 11-14 日) 8
- ◇ 第十一届水科学与工程国际研讨会(德国, 2014 年 9 月 28 日-10 月 2 日) 8
- ◇ 第十九届 IAHR 亚太地区会议(越南, 2014 年 9 月 21-24 日) 9
- ◇ 第四届泥沙管理国际学术讨论会(意大利, 2014 年 9 月 17-19 日) 9
- ◇ ISI 网更多会议信息 9

NEWS

China's Education Vice Minister Hao Ping elected as President of UNESCO's General Conference



UNESCO's General Conference, the governing body that brings together the Organization's 195 Member States and nine Associate Members, opened today with the election of Hao Ping, the Vice Minister of Education of China, as President of its 37th session. The opening was also marked by the acceptance of Anguilla as a new Associate Member.

Mr Hao, who succeeds Katalin Bogyay (Hungary), President of the 36th session of the General Conference (2011-2013), stressed the enduring importance of UNESCO's mission, in education, the sciences, culture and communication.

Speaking of unsustainable models of industrialization developed over the past two centuries, the President stressed the "urgent need to revolutionize ways of development while relying on innovations that are offered by science and technology."

"The General Conference is where we stand as one, it is now and here that we can make outstanding progress," the President said before invoking the universal dream of "a world of peace, equality, justice and harmony."

The Director-General of UNESCO, Irina Bokova, whose nomination by the Executive Board of UNESCO for a second four-year term at the head of the Organization last month is expected to be confirmed by the General Conference, also spoke during the opening session: "UNESCO is today more in demand, more relevant, more performing. And we must not relent; we must forge on to meet the full ambitions of our mandate, to craft a single agenda for sustainability, for human dignity and development, to strengthen the multilateral order as the only answer to the challenges facing the world."

The opening of the General Conference, which ends on 20 November, was also marked by the participation of Princess Marie of Denmark, Patron of the National Commission of Denmark for UNESCO. In her address, the Princess voiced her pride to be fully engaged in UNESCO's work and advocacy to countering gender-based violence, and promoting quality education and sustainable development.

Several Heads of State and some 150 ministers and delegates from the 195 UNESCO Member States are

attending the General Conference. This session will shape the Organization's strategy and direction for the next eight years.

It takes place at a particularly critical time for UNESCO. The Organization is in the midst of a major reform, aimed at making it more relevant, more effective and more responsive to global challenges facing peace and development.

Since the last General Conference in 2011, UNESCO overcame a financial crisis caused after the withholding of major contributions totaling 22 per cent of its budget. The present session of the General Conference is expected to approve the draft programme and budget for 2014-2017 that reinforce the reform initiated two years ago.

(Source: UNESCO)

14 members elected/re-elected to the Intergovernmental Council of the International Hydrological Programme (IHP) of UNESCO

UNESCO's Member States that attended the 37th session of the General Conference, the Organization's highest governing body, have elected/re-elected 14 members to the 36-member Intergovernmental Council of the International Hydrological Programme (IHP).

Below is a list of elected countries, by electoral group:

Group I: Greece, Turkey, United Kingdom of Great Britain and Northern Ireland

Group II: Slovenia

Group III: Brazil, Mexico

Group IV: China, Indonesia, Japan, Republic of Korea

Group V(a): Burkina Faso, Namibia

Group V(b): Egypt, Oman

States are elected to the IHP Intergovernmental Council for a term of four years. The new IHP Council members join 22 others elected during the 36th session of the General Conference in 2011, and whose term of office will expire at the end of the 38th session of the General Conference in 2015: Australia, Azerbaijan, Chile, Côte d'Ivoire, Dominican Republic, Germany, Haiti, Kenya, Kuwait, Madagascar, Mali, Mongolia, Netherlands, Pakistan, Poland, Russian Federation, Sudan, Sweden, Switzerland, Syrian Arab Republic, Uruguay and Yemen.

UNESCO-IHP extends a warm welcome to the new IHP Council members and looks forward to their invaluable contribution to the implementation of the Eighth Phase of IHP (IHP-VIII, 2014-2021). An outline brochure on the themes, objectives and foreseen activities of IHP-VIII is attached.

Furthermore, UNESCO invites donors to contribute to the efforts to secure water for all through its programmes for partnership, sponsorship and fund-raising. For further information, please refer to the attached draft outline brochure "Water Security for All: Water Programmes and

Projects at UNESCO – You can be part of them”. We welcome your comments to make this happen.

(source: E-mail information by Dr Blanca Jimenez-Cisneros, Director of the Division of Water Sciences, Secretary of the IHP, UNESCO)

K-Water Institute experts visits IRTCES



On afternoon December 19, 2013, Dr. Won-Sil Kim and Mr. Moonhwan Sung, Director General and Senior Clerk of R&D Planning and Management Department, K-water Institute, K-water, Korea visited International Research and Training Center on Erosion and Sedimentation (IRTCES), to learn experience for establishing and running an UNESCO Category II center, and discuss future cooperation between two institutes. On behalf of the IRTCES Deputy Director and Secretary-General Prof. Hu Chunhong, Division Chief Prof. Chen Jianguo, Division Chief Prof. Wang Yangui, Deputy Division Chief Prof. Liu Cheng and Prof. Shi Hongling welcomed the guests and had a friendly discussion.

K-water is a major water-managing public corporation in Korea with a history of 46 years of water management, and the K-Water Institute is a research institute under the K-water. The establishing International Center on Water Security and Sustainable Management (i-WSSM), which has been approved as one of UNESCO water-related Category II Centers in the 37th UNESCO General Conference in November 2013, will be located in K-water Institute in Daejeon.

ISI Steering Committee member Dr. Liu Cheng participate in the 37th UNESCO General Conference

The 37th session of the General Conference of UNESCO is held in UNESCO Headquarters on November 5-20, 2013, several Heads of State and some 150 ministers and delegates from all 195 UNESCO member states gathered in Paris to design its development strategy for the next eight years.

As a representative of the Chinese delegation, Dr. Liu Cheng of the ISI Steering Committee participated in the SC Commission meeting (Natural sciences) of the conference and spoke on the item “Renewal of the Operational Agreement of UNESCO-IHE Institute for Water Education”. He praised significant contribution of the IHE on promoting global water-related education, knowledge dissemination and capacity building, and expressed appreciation on behalf of Chinese delegation for IHE’s helps on training Chinese young engineers of water resources He also mentioned that the IRTCES hoped to strengthen cooperation with the IHE in researches and trainings for playing a strong role in the implementation of future strategy of the IHP-VIII.

Dr. Liu attended a conference side-event the high-level panel session “Climate Change Impacts on Water Resources and Adaptation Policies in Mountainous Regions” that took place on November 13, 2013. This high-level panel session gathered scientists, water managers, policy-makers and other stakeholders to share experiences, views and recommendations on coping with climate change impacts on water resources in mountainous areas, and on the development of adaptation policies. The panel session also provided insights into the themes of the upcoming new phase of IHP - VIII “Water Security: Responses to local, regional, and global challenges” (2014 - 2021).

During the conference, Dr. Anil Mishra and Dr. Liu Cheng had a meeting on November 12 for discussing ISI activities and future plans.

Report shows Farm Bill conservation practices reduce runoff in Chesapeake Bay watershed (USA)

A record number of voluntary conservation practices adopted by Chesapeake Bay farmers since 2006 has significantly reduced the amount of nitrogen, sediment and phosphorus leaving cultivated croplands, according to a recently released report.

The report, part of the U.S. Department of Agriculture’s Natural Resources Conservation Service, estimates that since 2006, conservation practices applied by farmers and landowners are reducing nitrogen leaving fields by 48.6 million pounds each year, or 26 percent, and reducing phosphorus by 7.1 million pounds, or 46 percent.

The report, part of the Conservation Effects Assessment Project, notes these practices have also lowered the estimated average edge-of-field losses of sediment, or eroded soil, by about 15.1 million tons a year, or 60 percent -enough soil to fill 150,000 railcars stretching more than 1,700 miles. The majority of the conservation practices in the Chesapeake Bay were made possible through Farm Bill conservation programs, which are now expired.

“This report demonstrates that voluntary conservation practices made possible through the Farm Bill can have a substantial impact on limiting nutrient and sediment runoff from farms in the Chesapeake Bay Watershed and across the nation,” Agriculture Secretary Tom Vilsack said.

“These conservation efforts help to clean our soil and water, boost outdoor recreation that adds more that \$640 billion to our economy, and ensure that agriculture has the tools to remain productive in the years to come. The good work of Chesapeake Bay landowners has generated substantial progress in a short period of time, but more needs to be done, which is why it is critical that Congress act now to pass a Farm Bill that provides the full array of programs and incentives to build on these efforts.”

The Chesapeake Bay watershed touches six states and is home to 17 million people and almost 84,000 farms and ranches. Agriculture contributes about \$10 billion annually to the region’s economy. Conservation practices have other environmental benefits, such as sequestering carbon and making farms more resilient to extreme weather events linked to climate change.

Because of these efforts, the report highlights a wider acceptance of innovative conservation practices. Notably, some form of erosion control has been adopted on 97

percent of cropland acres in the Chesapeake Bay Watershed.

While this does not mean all acres are fully treated to address sediment and nutrient losses, it is a positive indication of a willingness by farmers to do their part to help restore the bay watershed. Also, the report shows an increased use of cover crops by bay watershed farmers. Farmers are using a variety of other conservation practices, such as no-till, that help keep nutrients and sediment on fields and out of nearby waterways.

In October, the Chesapeake Bay Watershed Initiative expired due to the expiration of the 2008 Farm Bill, reducing the technical and financial assistance available to bay watershed producers.

The CEAP report is part of USDA's effort to quantify the benefit of conservation efforts on private lands in major watersheds, including the Mississippi River and Great Lakes as well as the Chesapeake Bay.

CEAP reports combine farmer surveys, natural resource information and advanced modeling techniques to assess the effects of conservation practices on cultivated cropland, which accounts for 10 percent of the land in the bay watershed. (Source: <http://capegazette.villagesoup.com>)

More News in ISI Website

- Briefing on the Closing Ceremony of the 2013 International Year of Water Cooperation 5-6 December in Mexico City (Mexico)
- K-Water Institute experts visits IRTCES
- Dutch Guidance Document for Sediment Assessment available in English
- TIDE-project: all results available, sediment strategies involved
- 8th International SedNet conference held in Lisbon, Portugal, 6-9 November 2013

- SedNet Newsletter - December 2013
- High-Level Professional Recruitment Announcement of IWHR (China)
- Expert team undertakes study of erosion caused by Ganga in WB (India)
- Erosion affecting coastline (Malaysia)
- Report shows Farm Bill conservation practices reduce runoff in Chesapeake Bay watershed (USA)
- Minutes of ISI Steering Committee Meetings during the ISRS2013 and UNESCO General Conference (for ISI members only)
- 14 members elected/re-elected to the Intergovernmental Council of the International Hydrological Programme (IHP) of UNESCO
- Dam removal work resumes on Elwha (USA)
- ISI Steering Committee member Dr. Liu Cheng participate in the 37th UNESCO General Conference
- World Bank-assisted erosion project commences in Abia (Nigeria)
- Contents of ISWCR (Vol. 1, No.2, 2013)
- WORKSHOP SUMMARY: International Workshop of Acoustic and Seismic Monitoring of Bedload and Mass Movements
- China's Education Vice Minister Hao Ping elected as President of UNESCO's General Conference
- Sedimentation Compromise Ringlelet Reservoir's Capacity (Malaysia)
- Sediment management symposium Sept. 17-19, 2014
- An undammed Elwha River building beaches again: Crab found where it once was too rocky (USA)
- ISI SC member Prof. ZY Wang Participates in the "Forum on Water Security" in Chengdu, China
- Summary of the 12th International Symposium on River Sedimentation (ISRS2013) by the LOC

More

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

CONFERENCE REPORT

Briefing on the Closing Ceremony of the 2013 International Year of Water Cooperation 5-6 December in Mexico City (Mexico)

The Closing Ceremony of the 2013 International Year of Water Cooperation (IYWC), took place 5-6 December in Mexico City (Mexico). The ceremony provided a synthesis of the major achievements of IYWC, explored modalities to further foster water cooperation and to set the agenda for the follow-up. UN-Water at its 19th Session (Stockholm, 29-31 August 2013) had welcomed the offer of the Government of Mexico to host the Closing Ceremony of IYWC as the last milestone of the Year and official closure of the celebrations.



The Closing Ceremony was organized by UNESCO, on behalf of UN-Water, with the support of the Government of Mexico through the National Water Commission (CONAGUA). On 5 December, the Ceremony included high-level panels on global perspectives of water security and cooperation, on milestone events and on UN activities that took place during the Year. On 6 December, round table working groups discussed the key messages that should emanate from the International Year. The ceremony brought together about 360 participants from over 60 countries, including several ministers. It was concluded with a spotlight on the way ahead, including a focus on water in the preparations for the post-2015 Development Agenda.

The IYWC Closing Ceremony recognized water cooperation as the tool of choice: to improve water governance and water management at all levels; to provide water and sanitation for all; and to improve the management of transboundary water systems, both surface and groundwater. It also viewed cooperation as an adequate means to foster education and capacity development. The Closing Ceremony also stressed that water cooperation must be based on sound scientific understanding of water issues; and that it must be inclusive of all the actors involved in using and managing water and who can contribute to the processes required, extending to hitherto underrepresented actors, like indigenous groups. Furthermore, the participants called to finally achieve gender equality in the domain of water, both, by the means of and in cooperation.

In context of the Closing of IYWC, the Youth Event 'Joven + Agua' was organized in Mexico City at the Universidad del Valle de Mexico. The Youth Event was jointly organized by UNESCO-IHP (including financial support), CONAGUA, the NGOs Acción Agua, the International Secretariat for Water, the Butterfly Effect and the World Youth Parliament. About 40 youth participated, mainly from Latin America and the Caribbean, involved in various organizations working on water issues. They introduced their actions and projects and reviewed activities organized during IYWC, and their relevance for youth. They prepared a draft declaration which is being

finalized for dissemination. Representatives of IHP gave an overview the programme's role during IYWC and in the related activities and events and highlighted the important role reserved for youth in future water cooperation.

(source: E-mial information by Dr Blanca Jimenez-Cisneros, Director of the Division of Water Sciences, Secretary of the IHP, UNESCO)

8th International SedNet conference held in Lisbon, Portugal, 6-9 November 2013



Last month SedNet organised its 8th international conference. Given the tremendous diversity of Europe's southwest coast, Lisbon proved to be a highly appropriate venue for a conference that paid special attention to estuarine and coastal sediment management. More than 170 delegates of 25 countries participated in the event.

In total 77 oral presentations were given during 13 conference sessions, and 64 posters were presented. At the closing session wrap-ups were given of all conference and special sessions.

All presentations can be downloaded from www.sednet.org.

Posters: The conference delegates voted for the best poster. The winning poster was

“The influence of lithology and human pressure on sediment elemental composition: the case of nine estuaries in Portugal” by Mário Mil-Homens from IPMA – the Portuguese Institute of Sea and Atmosphere.

A shared second prize was for the following four posters:

“Granular and chemical characterization of harbor sediments: Impact of particle separation and organic pollution assessment” by Fanny Coulon, Ecole des Mines d' Alès, France

“A new disposal strategy in the Scheldt-estuary: The concept and the preliminary monitoring results” by Yves Plancke from Flanders Hydraulics, Belgium

“Chemical analyses of dredge disposal sites at the Belgian Continental Shelf” by Bavo De Witte, ILVO, Belgium

“A minimal characterization identification approach for pre-selecting dam fine sediments reuse options” by

Baptiste Anger, EDF R&D - UMR CNRS 6143 - M2C Caen, France

Working Group initiatives: Thursday 7 November in the afternoon provided the opportunity for new working group initiatives – brought forward by the network – on sediment research and management. These Working Group meetings could focus on any topic in the field of sediment research and sediment management. Any conference participant who would like to brainstorm with his fellow-sediment-specialists was given the possibility to organise such a Working Group meeting. Those meetings were open for any conference participant to join and thus contribute to the discussion.

Seven ideas for Working Groups were launched, of which three effectively held a WG-meeting.

The outcome of the Working Group meetings were presented briefly in the plenary session at the end of the conference.

The most promising Working Group initiatives may get some support from SedNet to kick-off the execution of activities that they propose. A procedure how to continue

with WG's is under construction by the SedNet Steering Group and is expected to be available early 2014.

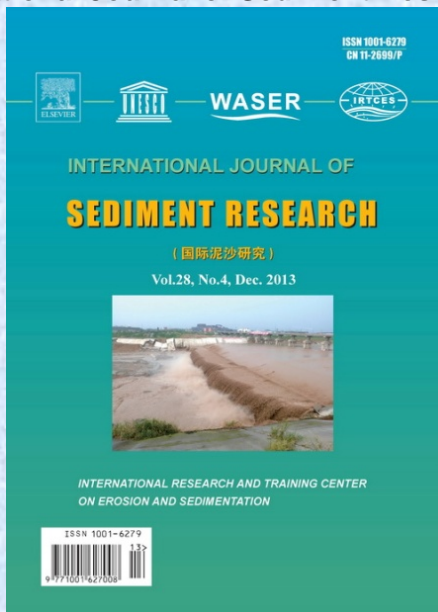


4 of the 5 poster prize winners

(Source: SedNet Newsletter)

PUBLICATION

Papers Published in Issue 4 Volume 28, 2013, International Journal of Sediment Research



Volume 28, Number 4

Dec. 2013

Technical Papers

Sediment loads and processes in large rivers
Helmut HABERSACK and Daniel HASPEL pp. I

Award for distinguished contributions to sediment research
pp. II

Physical model experiments for sediment supply to the old Rhine through induced bank erosion

Andrés DIE MORAN, Kamal EL KADI ABDERREZZAK, Erik MOSSELMAN, Helmut HABERSACK, Franck LEBERT, Denis AELBRECHT, and Eric LAPERROUSAZ
pp. 431–447

Water and sediment evolution in areas with high and coarse sediment yield of the Loess Plateau

Jia-hong LIU, Guang-qian WANG, Hai-hong LI, Jia-guo GONG, and Jing-yi HAN pp. 448–457

Bed-roughness investigation for a 2-D model calibration: the San Martín case study at Lower Paraná

Massimo GUERRERO and Alberto LAMBERTI pp. 458–469

Sediment regime of the Danube River in Serbia

Marina BABIC MLADENOVIC, Vasiljka KOLAROV, and Vanja DAMJANOVIC pp. 470–485

Changes in runoff and sediment load from major Chinese rivers to the Pacific Ocean over the period 1955-2010

Cheng LIU, Jueyi SUI, Yun HE, and Faye HIRSHFIELD
pp. 486–495

Multiple temporal scale relationships of bankfull discharge with streamflow and sediment transport in the Yellow River in China

Yan-yan ZHANG, De-yu ZHONG, and Bao-sheng WU
pp. 496–510

Hydraulic model tests for evaluating sediment control function with a grid-type Sabo dam in mountainous torrents

Takahiro ITOH, Shigeo HORIUCHI, Takahisa MIZUYAMA, and Kazuhiko KAITSUKA pp. 511–522

Parameterized expressions for an improved Rouse equation

Chen CHENG, Zhi-yao SONG, Yi-gang WANG, and Jin-shan ZHANG pp. 523–534

Adsorption and affinity of Escherichia coli to different aggregate sizes of a silty clay soil

Filipe BEHRENDTS KRAEMER, Celio Ignácio CHAGAS, Diego Julián COSENTINO, and Lucas Alejandro GARIBALDI pp. 535–543

Geochemistry of the high dam lake sediments, south Egypt: implications for environmental significance

Mohamed Abdallah Gad DARWISH pp. 544–559

Sediment fingerprinting in fluvial systems: review of tracers, sediment sources and mixing models

Arman HADDADCHI, Darren S. RYDER, Olivier EVRARD, and Jon OLLEY pp. 560–578

Technical Notes

Using live vegetation volume to analyze the effects of plot *Pinus massoniana* Lamb on water and soil conservation under natural rainfall events

Zhu-jun GU, Xiao-xia WU, Xiao-lei WANG, Shao-yun PENG, Hao LUO, Xue-zheng SHI, and Dong-sheng YU pp. 579–587

Thorium isotopes (^{228}Th , ^{230}Th , ^{232}Th) and applications in reconstructing the Yangtze and Yellow River floods

Wei-feng YANG, Min CHEN, Xin-xing ZHANG, Zhi-gang GUO, Guang-xue LI, Qiang MA, Jun-hong YANG, and Yi-pu Huang pp. 588–595

List of reviewers during 2013 pp. 596–597

Cover Photo: A flood in July 2013 had broken the concrete-paved riverbed and resulted in a 6 m deep bed incision in the Shitingjiang River in Sichuan

INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH

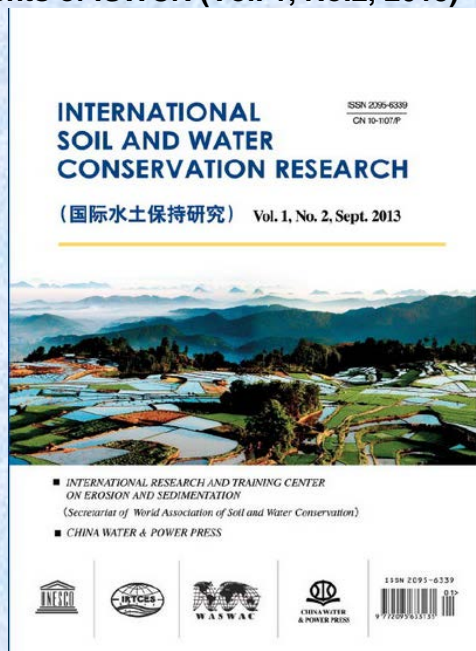
Volume 1

Number 2

September 2013

| | |
|---|-------|
| The development of U. S. soil erosion prediction and modeling <i>John M. Laflen and Dennis C. Flanagan</i> | 1–11 |
| The national census for soil erosion and dynamic analysis in China <i>Liu Zhen</i> | 12–18 |
| Temporal variations in runoff and soil loss in relation to soil conservation practices in catchments in Shiwaliks of lower Himalayas <i>S. S. Kukal and S. S. Bawa</i> | 19–25 |
| The history and assessment of effectiveness of soil erosion control measures deployed in Russia <i>Valentin Golosov and Vladimir Belyaev</i> | 26–35 |
| Making rainfed agriculture sustainable through environmental friendly technologies in Pakistan; A review <i>Mirza B. Baig, Shabbir A. Shahid, and Gary S. Stroquadine</i> | 36–52 |
| The effect of reforestation on stream flow in Upper Nan river basin using Soil and Water Assessment Tool (SWAT) model <i>Winai Wangpinoot, Kobkai Pongput, Chinnapat Sukvilool, Samran Sombapanit, and Philip W. Gassman</i> | 53–63 |
| Comparison of the effects of the different methods for computing the slope length factor at a watershed scale <i>Fu Suhua, Wu Zhiping, Liu Baoyuan, and Cao Longxi</i> | 64–71 |
| Assessment of soil loss and nutrient depletion due to cassava harvesting: A case study from low input traditional agriculture <i>R. Sumithra, Thushyanthy, M. and T. Srivaratharasan</i> | 72–79 |
| Effects of land use and management on aggregate stability and hydraulic conductivity of soils within River Njoro Watershed in Kenya <i>Zachary G. Mainuri and James O. Owino</i> | 80–87 |
| Cover photo: Beautiful Scenery of Gaopo Township, Huaxi District, Guiyang City, Guizhou Province | |

Contents of ISWCR (Vol. 1, No.2, 2013)



Publications in ISI Information System

- Dutch Guidance Document for Sediment Assessment
- Risk-Informed Management of European River Basins (Brils et al., 2014)
- Advances in River Sediment Research (Fukuoka et al.)
- Eroding Soils Darkening Our Future (Brown)
- Morphodynamic signatures of braiding mechanisms as expressed through change in sediment storage in a gravel-bed river (Wheaton et al.)
- Sediment Quality in Central Puget Sound, Changes over a Ten-Year Period (Partridge et al.)
- IRBM Publications (UNESCO)
- Changes in the sediment load of the Lancang-Mekong River over the period 1965-2003 (Liu et al.)

More

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

COMING EVENTS

5th International Conference on Estuaries and Coasts (Oman, Nov. 2-4, 2015)

Date: November 2–4, 2015

Venue: Muscat, Sultanate of Oman

Summary: The Middle East region is going through an era of rapid coastal development which may be attributed to the strategic location of this region. Usually such developments bring economic growth and pose environmental concerns at the same time. This region has a diversity of sea grass beds, coral reefs, mangroves and salt marshes. Therefore, it is important to involve engineers and environmental professionals in the decision making process related to coastal and marine construction in order to minimize damage to the important ecosystems. ICEC 2015 will serve as a venue for engineers, researchers and administrators from industry, academia and public agencies to discuss and exchange information on issues important to sustainable coastal development.

Organizer: Sultan Qaboos University

Sponsors: International Research and Training Centre on Erosion and Sedimentation (IRTCES)
Sultan Qaboos University
The Research Council, Oman
Potential Sponsors from Public and Private Sectors in the Sultanate of Oman

Co-Sponsors: UNESCO, IAHR, IAHS, WASER, and other institutes and organizations to be invited

Secretariat: Sultan Qaboos University

Permanent Secretariat: IRTCES

Conference Themes:

- * Coastal erosion: measurements, modeling, management
- * Seawater quality: coastal and offshore pollution, measurements, modeling, solutions
- * Tsunami: field observations, numerical modeling, mitigation
- * Estuaries: water quality observations, modeling and effect on marine resources, mangrove rehabilitation
- * Integrated Coastal Zone Management: approaches, measures
- * Seawater intrusion: measurement, modeling, management
- * Social, economical and political problems involving coasts and estuaries

URL:

online submissions:

<https://www.easychair.org/conferences/?conf=icec2015>

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International Conference on the Status and Future of World's Large Rivers (Brazil, 21-25 July 2014)

Date: 21-25 July 2014

Venue: Manaus/Amazon/Brazil

Summary: This conference aims to provide a global forum for a wide-ranging discussion of key issues related to research on large rivers and to their effective and sustainable management, involving both scientists and decision makers. We strongly encourage scientists and practitioners to present their research results and experiences in the fields of

- Hydrology, hydraulics & water quality
- Sediment transport & river morphology
- Ecology & restoration

as well as in a special session about

- Amazonia (incl. ORE-HYBAM research)

URL: <http://worldslargerivers.boku.ac.at>

Contacts:

Naziano Filizola
Chair of Local Organizing Committee (LOC)
Helmut Habersack
Chair of International Scientific Committee (ISC)
worldslargerivers@boku.ac.at

6th International Conference on Flood Management (Brazil, Sep. 16-18, 2014)

Date: September 16-18, 2014

Venue: São Paulo – Brazil

Summary: The 6th International Conference on Flood Management (ICFM6) marks the continued advancement of flood management practices and policies around the world. The name change from "Defence" as used in the previous four events to "Management" is reflective of the more integrative approaches to flood management that nations are increasingly employing. The first International Symposium on Flood Defence, held in Kassel, Germany in 2000, emphasized flood defence measures with each successive event (Beijing 2002, Nijmegen 2005, Toronto 2008 and Tsukuba 2011) evolving towards more integrative approaches, including risk, vulnerability and capacity building. The ICFM6 theme is "Floods in a changing Environment". ICFM is the only recurring international conference wholly focused on flood related issues. It is designed to bring together practitioners and researchers alike, including engineers, planners, health specialists, disaster managers, decision makers, and policy makers engaged in various aspects of flood management. It provides a unique opportunity for these various specialists to come together to exchange ideas and experiences. ICFM6 will be held in São Paulo (SP), Brazil September 16-18, 2014, and will be organised by the Brazilian Water Resources Association and Acqua Consultoria.

Key Themes: The event will focus on the following seven key themes:

1. Urban Floods
2. Floods in a changing climate
3. Flood risk management in mega cities
4. Impact of climate change on flood risk
5. Land use and Floods, landslides and erosion
6. Flood forecasting and early warning systems
7. Flood resilient societies through community preparedness

URL: <http://icfm6.com/>

Executive Secretariat:

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CADASTUR: 26.038288.80.0001-3
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05004-020 - São Paulo - SP
 Fone / Fax: 55 11 3868-0726
icmf6@acquacon.com.br
www.acquacon.com.br/icmf6

River Flow 2014 (Switzerland, Sep. 3-5, 2014)

Date: Sep. 3-5, 2014

Venue: Lausanne, Switzerland

Summary: On behalf of the IAHR Committee on Fluvial Hydraulics it is our pleasure to invite you to participate at River Flow 2014 – the 7th International Conference on Fluvial Hydraulics – at EPFL, Lausanne, Switzerland. The conference intends to create an environment for reflection, discussion and exchange of knowledge regarding fluvial hydraulics and river morphology. It is an opportunity to meet, to discuss and to learn about the interaction between water, sediments and structures in natural or built environments. The conference offers scientific presentations, site visits and master classes given by experts from different countries. It further aims to link science with river engineering practice. It would be a pleasure to meet you at EPFL in September 2014!

Organizer: IAHR Committee on Fluvial Hydraulics

Theme and Topics:

- A. River hydrodynamics
- B. River morphology and sediment transport
- C. River engineering and restoration
- D. Reservoir sedimentation
- E. Swiss competences in river engineering and restoration (KOHS).

URL: <http://riverflow2014.epfl.ch/>

Contacts:

Ecole Polytechnique Fédérale de Lausanne (EPFL)
 Station 18, CH-1015 Lausanne, Switzerland
 Web: <http://lch.epfl.ch> (website LCH)
 Email: riverflow2014@epfl.ch
 Phone: +41(21)693.63.24
 Fax: +41(21)693.22.64

ICCE Symposium on Erosion and Sediment (USA, Dec 11-14, 2014)

Date: Dec 11-14, 2014

Venue: New Orleans, USA

Summary: An international symposium on erosion and sediment, ICCE 2014, will be held in the city of New Orleans, USA, December 11-14, 2014. The symposium is a series of symposia organized under the auspices of the International Commission on Continental Erosion (ICCE), which is one of the ten commissions of the International Association of Hydrological Sciences (IAHS). The first ICCE symposium was held in Florence, Italy in 1981, and recent symposia have been held in Moscow, Russia in 2004, Dundee, United Kingdom in 2006, Christchurch, New Zealand in 2008, Warsaw, Poland in 2010, and Chengdu, China in 2012. The 2014 ICCE Symposium in New Orleans will have the following themes:

- Monitoring and modeling erosion on hills, floodplains, and coastal shorelines
- Monitoring and modeling sediment transport in streams, rivers, and estuaries
- Erosion and sediment-associated chemical transport across landscape and waterscape
- Land use and climate change effects on erosion and sediment transport
- Interactions between sediment hydrodynamics, channel morphodynamics, river delta, and coastal processes

URL: <http://www.mr.lsu.edu/icce2014/>

Contact: Symposium Organizing Committee
ICCE2014NO@gmail.com

7th International Conference on Scour and Erosion (Dec. 2 – 4, 2014, Australia)

Date: Dec 2-4, 2014

Venue: Perth, Western Australia

Summary: The first six conferences were successfully held in Texas, USA (2002), Singapore (2004), Amsterdam, The Netherlands (2006), Tokyo, Japan (2008), San Francisco, USA (2010) and Paris, France (2012). The objective of the conference is to provide a platform for scientists and engineers from various disciplines (e.g. Hydraulic and geotechnical engineering) to exchange ideas and report advances in research and practice on scientific and engineering challenges related to scour and erosion. The broad topics covered in ICSE conferences include fundamental mechanisms of erosion and scour, modelling (both physical and numerical) of erosion and scour processes and engineering applications that involve scour and erosion processes. The ICSE conferences have been well attended by scientists and engineers from broad areas such as Civil Engineering, hydraulic Engineering, Coastal and Offshore Engineering. One of the strong features of the ICSE conferences has been the cross discipline collaborations and exchanges between geotechnical and hydraulic engineers. ICSE-7 will endeavour to maintain the traditions of the ICSE conferences and build on the success of the previous ICSE conferences. You will find Perth, the Capital City of Western Australia a unique place to visit. I hope you will be able to join us and play your part in making the ICSE-7 a successful and memorable event.

The ICSE conference series is the biennial meeting of hydraulic and geotechnical engineers discussing all issues of scour and erosion, including internal erosion and filtration topics. It was initiated by the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) in 2002 and is currently run by the Technical Committee TC213 "Scour and Erosion" (<http://scour-and-erosion.baw.de/>)

Prof. Liang Cheng of the University of Western Australia will organize the forthcoming conference.

URL: <http://www.2014icse.com/index.html>

11th International Conference on Hydroscience & Engineering (Germany, Sep. 28-Oct. 2, 2014)

Date: 28 September to 2 October 2014

Venue: Hamburg, Germany

Summary: ICHE 2014 in Hamburg is the latest in a well-established series of bi-annual Hydroscience & Engineering conferences, which began in Washington, DC in 1993. Beijing hosted ICHE in 1995, followed by Cottbus (1998), Seoul (2000), Warsaw (2002), Brisbane (2004), Philadelphia (2006), Nagoya (2008), Chennai (2010) and Orlando (2012). These conferences have served as a welcome forum to report and discuss the latest scientific advancements and practitioner's solutions in hydroscience and engineering. Four full days of presentations under the slogan "Hydro-Engineering for Environmental Challenges" will put you in touch with researchers from many disciplines and will provide ample networking opportunities for future activities.

Theme and Topics: Conference topics include:

- Water Resources Planning and Management
- Experimental and Computational Hydraulics

- Groundwater Hydrology, Irrigation
- Urban Water Management
- River, Estuarine and Coastal Dynamics
- Sediment Transport and Morphodynamics
- Interaction between Offshore Utilisation and the Environment
- Climate Change, Adaptation and Long-Term Predictions
- Eco-Hydraulics and Eco-Hydrology
- Integrated Modeling of Hydro-Systems
- Uncertainty and Reliability of Hydro-Systems
- Remote Sensing and Field Monitoring
- Information Management and Decision Support Systems
- Academic and Professional Training

URL: <http://www.iche2014.baw.de/why/index.html>

19th IAHR-APD 2014 Congress (Vietnam, Sep. 21-24, 2014)

Date: 21 - 24 September 2014

Venue: Water Resources University, Hanoi, Vietnam

Summary: On behalf of the 19th IAHR-APD 2014 Congress, and IAHR, we are delighted to extend our personal invitation to you to join us in Hanoi, Vietnam for the 19th IAHR-APD (IAHR Asian and Pacific Regional Division) 2014 Congress of the International Association for Hydro-Environment Engineering and Research (IAHR). Water Resources University is collaborating with IAHR to organize the 19th IAHR APD Congress. The Congress theme "Working globally on water and climate change issues but acting locally" focuses on the central roles of hydraulic engineering, hydrology and water resources, estuarine and coastal engineering, and environmental hydraulics in our changing world, and how these roles link to the broader issues. Water related disaster and climate change are becoming hot issues in many regions of the world and the Pacific Region as well. Careful management and innovative solutions are required and solutions must be able to deal with the uncertainty in the natural world as well as the changing human world. Hanoi, Vietnam is an attractive destination - a developing city, within close proximity to some of the world's heritage attractions! We look forward to welcoming you to our 19th IAHR-APD 2014 Congress in September 2014 to what we are confident will be the best ever IAHR APD Congress.

Prof. Dr. Nguyen Quang Kim

Rector of Water Resources University
Chairperson, Local Organizing Committee
19th IAHR-APD 2014 Congress

Host: Water Resources University, Hanoi, Vietnam

URL: <http://iahr-apd2014.wru.edu.vn/>

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The 4th International Symposium on Sediment Management (Italy, Sept. 17-19, 2014)

Date: Sept. 17-19, 2014

Venue: Ferrara, Italy

Summary: The 4th International Symposium on Sediment Management (I2SM) will be held in Ferrara, Italy, Sept. 17-19, 2014, during the annual RemTech Expo. The symposium is organized by Ferrara Fiere Congressi, Politecnico di Milano-Department of Civil and Environmental Engineering-Environmental Section, and the

École des Mines de Douai. The aim of I2SM is to gather academics, industry professionals, and public agencies involved in sediment issues to discuss the state-of-the-art. Previous editions of I2SM were held in Lille (France, 2008), Casablanca (Morocco, 2010) and Alibaug (India, 2012). The event will consist of an opening plenary session followed by parallel technical sessions. The official language of I2SM 2014 is English. Simultaneous translation (English to Italian) is available at some of the sessions.

URL: <http://i2sm.remtechexpo.com/>

Contacts:

For general information about the Symposium and registration, please contact: i2sm@remtechexpo.com

For enquiries about the scientific program, abstract and paper submission, please contact: i2smscientific@remtechexpo.com

More Coming Events in ISI Website

- 5th International Conference on Estuaries and Coasts (Oman, Nov. 2-4, 2015)
- ICCE Symposium on Erosion and Sediment (USA, Dec 11-14, 2014)
- 7th International Conference on Scour and Erosion (Dec. 2 – 4, 2014, Australia)
- The 22nd RSC Meeting for Southeast Asia and the Pacific, UNESCO-IHP 2014 (Indonesia, Nov. 10-14)
- 11th International Conference on Hydrosience & Engineering (Germany, Sep. 28-Oct. 2, 2014)
- 19th IAHR-APD 2014 Congress (Vietnam, Sep. 21-24, 2014)
- The 4th International Symposium on Sediment Management (Italy, Sept. 17-19, 2014)
- 6th International Conference on Flood Management (Brazil, Sep. 16-18, 2014)
- River Flow 2014 (Switzerland, Sep. 3-5, 2014)
- International Conference on the Status and Future of World's Large Rivers (Brazil, 21-25 July 2014)
- Water Convention 2014 (Singapore, 1-5 Jun, 2014)
- FRIEND-Water2014: 7th Global FRIEND-Water Conference (Vietnam, Feb. 24-28, 2014)

More

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



INTERNATIONAL SEDIMENT INITIATIVE (ISI)
International Hydrological Programme (IHP)
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ORGANISATION: UNESCO

| | |
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