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NEWSLETTER

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IN THIS ISSUE

UNESCO"国际泥沙计划"简报

本期内容

NEWS

President Xi stresses ecological protection and high-quality development of the Yellow River

ZHENGZHOU (2019-09-19) - Chinese President Xi Jinping called for concerted efforts to promote ecological protection and high-quality development of the Yellow River.

Xi, also general secretary of the Communist Party of China Central Committee and chairman of the Central Military Commission, made the following remarks while chairing a symposium during his inspection tour to Henan province.

"The protection of the Yellow River is critical to the great rejuvenation and sustainable development of the Chinese nation," said Xi, adding that it is a major national strategy.

Noting that the peace of the Yellow River is significant to the stability of China, Xi said Chinese people have struggled against the floods and droughts of the Yellow River since ancient times, and the Party and the state have attached great importance to the harnessing and development of the Yellow River after the founding of New China in 1949.

Originating in Qinghai province, the Yellow River, known as China's "Mother River" and the cradle of the Chinese civilization, runs through nine provinces and autonomous regions including Shaanxi and Henan before emptying into the Bohai Sea in East China's Shandong province.

The river got its name Huanghe in Chinese because of its yellow, muddy water, which appears as it runs through the Loess Plateau in Northwest China.

The 5,464-km-long waterway feeds about 12 percent of China's population, irrigates about 15 percent of arable land, supports 14 percent of national GDP, and supplies water to more than 60 cities.

Xi also pointed out difficulties and problems in protecting the Yellow River, including the fragile ecological environment, the severe condition of the water resources preservation and the development quality that needs to be improved. (Source: Xinhua)

President Xi Jinping, also general secretary of the Communist Party of China Central Committee and chairman of the Central Military Commission, inspects ecological protection of the Yellow River at a national geopark during his tour of central China's Henan province, Sept 17, 2019. [Photo/Xinhua]

The 14th International Symposium on River Sedimentation held in Chengdu, China

The 14th International Symposium on River Sedimentation (14th ISRS) was held in Chengdu, China from September 16-19, 2019. More than 400 participants from over 25 countries and regions attended the Symposium. The Symposium was organized by Sichuan University, sponsored by the International Research and Training Center on Erosion and Sedimentation (IRTCES) and the World Association for Sedimentation and Erosion Research (WASER), and co-sponsored by the International Association for Hydro-Environment Engineering and Research (IAHR), the National Inland Waterway Regulation Engineering Research Center, and the Changjiang River Scientific Research Institute.

The opening ceremony was held in the morning of September 17 and was chaired by Prof. Pengzhi Lin, Secretary General of the Local Secretariat. Seven welcome speeches were made by Prof. Weilin Xu, Chairperson of the LOC and Deputy President of Sichuan University; Mr. Yun Hu, Director General of the Department of Water Resources of Sichuan Province; Prof. Zhaoyin Wang, President of WASER; Prof. Guangquan Liu, Deputy Director of IRTCES; Prof. Gary Parker, Vice-President of the International Scientific Committee; Prof. Marcelo H. Garcia, a representative of the participants; and Mr. Pravin Karki, Global Lead Hydropower & Dams at the World Bank.

The 14th ISRS main theme was 'Integrated Sediment Management in Rivers and Coasts' with the following main topics:

- Sediment yield and erosion processes;
- Sediment transport;
- Sedimentation in estuarine and coastal areas;
- Reservoir sedimentation;
- Environmental and ecological sediment;
- Fluvial processes and geomorphology;
- Sediment related to disasters;
- Modeling & measurement techniques;
- Integrated sediment management; and
- Fluvial processes and regulation in the Yangtze River.

The programme included 10 plenary reports, 14 keynote reports, 150 technical presentations in up to 5 parallel sessions, and 59 poster presentations. The plenary reports were:

- Global trends in water and sediment fluxes of the world's large rivers
  Prof. Jinren Ni, Peking University, China;
- Non-linear water and sediment diversions in rivers: a brief history of the Bulle-Effect
  Prof. Marcelo H. Garcia, University of Illinois at Urbana-Champaign, USA;
- Cooperation platform for sediment-related flash flood risk management
  Prof. Xingnian Liu & Prof. Chao Liu, Sichuan University, China;
- Sediment transport and channel morphology of mountain streams: insights from field observations, flume experiments and modelling
  Prof. Marwan A. Hassan, The University of British Columbia, Canada;
- Mountain river morphodynamics in tectonically active and earthquake prone regions
  Prof. Xudong Fu, Tsinghua University, China;
- Threshold of particle movement: a new paradigm
  Prof. Panayiotis Diplas, Lehigh University, USA;
- Sedimentation Processes in the Selenga River fluvial-deltaic system: assessing the influences of grain size and tectonics on channel dynamics
  Prof. Jeffrey Nittrouer, Rice University, USA;
- Quasi-equilibrium and equilibrium in fluvial channel geometry: The presence of multiple stable equilibrium states
  Prof. Astrid Blom, Delft University of Technology, the Netherlands;
- Recent flood disasters caused by river embankment failure in Japan and numerical modelling of embankment failure
  Prof. Hajime Nakagawa, Kyoto University, Japan; and
- Future sedimentation studies
  Prof. Zhaoyin Wang, Tsinghua University, China

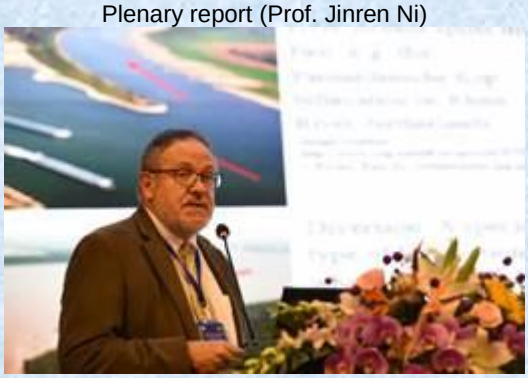
A half-day technical tour was arranged on the afternoon of September 18. The participants visited the ancient Dujiangyan irrigation project, one of the oldest water projects in the world (2270 years old), which is still working today for flood control and irrigation, due to its success in dealing with problems caused by sediment deposition and scour.

During the Symposium, the Sixth WASER Council Meeting and Assembly were held on September 16 and 19, respectively. The International Workshop on RESCON 2 and Numerical Modelling for Assessment of Sediment Management Alternatives was co-organized by the World Bank, WASER, Sichuan University and the UNESCO Beijing Office on September 17.

The closing ceremony was organized on the afternoon of September 19. Prof. Zhaoyin Wang, the President of WASER, chaired the closing ceremony. Prof. Pengzhi Lin from Sichuan University gave a brief overview for the 14th ISRS. Prof. Guangquan Liu, the representative of the ISRS permanent Secretariat, announced that the 15th ISRS will be held in Florence, Italy in 2022 and will be co-organized by the University of Florence and the University of Padua. Prof. Liu took the symposium banner from Prof. Pengzhi Lin, representative of the 14th ISRS LOC and handed it over to Prof. Luca Solari, representative of the next host Universities. Prof. Solari gave a speech and showed a video to introduce Florence and to invite and welcome all participants to meet

again in Florence in 2022 for the 15th ISRS.

Plenary report (Prof. Jinren Ni)



Plenary report (Prof. Marcelo Garcia)

Plenary report (Prof. Hajime Nakagawa)

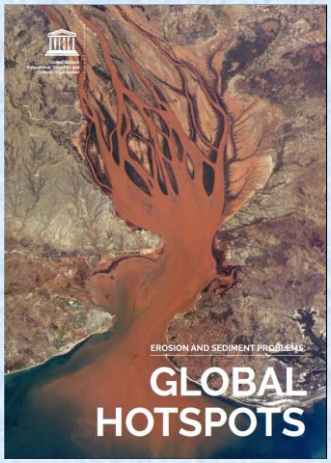
Plenary report (Prof. Zhaoyin Wang)

International Workshop on RESCON 2 and Numerical Modelling for Assessment of Sediment Management Alternatives organized in Chengdu, China

The International Workshop on RESCON 2 and Numerical Modelling for Assessment of Sediment Management Alternatives, co-organized by the World Bank, the World Association for Sedimentation and Erosion Research (WASER), Sichuan University and the UNESCO Beijing Office, was held on September 17, during the 14th International Symposium on River Sedimentation (14th ISRS) held in Chengdu, China. Over 40 participants from USA, UK, Japan, Portugal and China attended the workshop.

The workshop was organized in blocks. In the opening session of the workshop, justification for developing practical design and management strategies that will facilitate sustainable development of hydropower and dams through reservoir sedimentation management was provided. The second block of the workshop, provided an introduction to sediment monitoring, sediment yield assessment, reservoir sedimentation and state-of-the-art sediment management techniques. Subsequently, a training session on the software RESCON 2 was provided. The capability of sediment management to provide a successful adaptation strategy to climate change, thus increasing the resilience of water infrastructure, was demonstrated. In the last block of the workshop, the capabilities of numerical and physical models in sediment management were presented, and model applications were demonstrated through practical examples.

New ISI publication on global hotspots for erosion and sediment problems is available in the UNESCO Digital Library



The latest UNESCO-ISI publication entitled "Erosion and sediment problems: global hotspots" co-authored by Prof. Valentin Golosov and Prof. Desmond E. Walling is now available online in the UNESCO Digital Library (https://unesdoc.unesco.org/). This new ISI publication provides a global perspective on contemporary erosion rates and sediment fluxes and the impact of global change, with particular emphasis on the problems posed by erosion and sediment transport for the sustainable management of the Earth system and for society more generally. Since the greatest problems are commonly associated with high erosion rates and high sediment loads, emphasis is placed on identifying those areas of the world that could be classified as hotspots in terms of erosion rates and sediment yields.

UNESCO Digital Library: https://unesdoc.unesco.org/ark:/48223/pf0000369887.locale=en
or UNESCO-ISI Website: http://isi.irtces.org/isi/Publication/BooksandReports/webinfo/2019/10/1572248039910355.htm

More UNESCO-ISI publications in the UNESCO Digital Library:

Controlling the Yellow River: 2000 years of debate on control strategies (by Wang, Z.Y., and Liu, C.)

https://unesdoc.unesco.org/ark:/48223/pf0000366591.locale=en

Sediment problems and strategies for their management: experience from several large river basins (by Liu, C., Walling, D.E., Spreafico, M., Ramasamy, J., Thulstrup, H.D., and Mishra, A.)

https://unesdoc.unesco.org/ark:/48223/pf0000258795

The Impact of global change on erosion and sediment transport by rivers: current progress and future challenges (by Walling, D.E.)

https://unesdoc.unesco.org/ark:/48223/pf0000185078

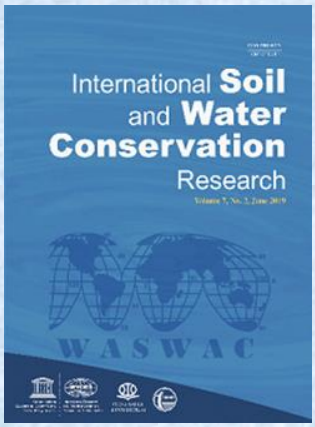
Towards practical guidance for sustainable sediment management using the Sava River Basin as a showcase: establishment of the Sediment Monitoring System for the Sava River Basin (by International Sava River Basin Commission)

https://unesdoc.unesco.org/ark:/48223/pf0000244651

Erosion and sediment dynamics from catchment to coast: a northern perspective, a southern perspective (by Di Silvio, G., and Basson, G.)

https://unesdoc.unesco.org/ark:/48223/pf0000179062

International Soil and Water Conservation Research is Indexed by SCIE



According to the latest news from Clarivate Analytics, the Journal International Soil and Water Conservation Research has been officially indexed by the Science Citation Index Expanded (SCIE).

The Journal International Soil and Water Conservation Research (referred to as ISWCR for short) was officially founded in June 2013 under the Ministry of Water Resources of China. It is a publically issued English academic journal of the World Association for Soil and Water Conservation (WASWAC) jointly sponsored by the International Research and Training Center on Erosion and Sedimentation (IRTCES), the China Institute of Water Resources and Hydropower Research (IWHR), as well as the China Water & Power Press, with its secretariat stationed in IRTCES.

Since its founding, ISWCR has rapidly established a strong reputation in the international community. It was indexed by the Chinese Science Citation Database (CSCD) in April 2015, by SCOPUS, the world's largest abstract and citation database, in January 2017, and again by Emerging Sources Citation Index (ESCI) of Clarivate Analytics in October 2017. The indexation by SCIE is a milestone, as it is not only a clear recognition of the quality of the Journal and its papers, but also represents a great boost and wider platform for the further development of the Journal.

The impact factor of journals indexed by SCIE are not publicized the year they are indexed. Therefore the impact factor of ISWCR in 2019 will be publicized in 2020. At present, the latest cite score of ISWCR publicized by SCOPUS is 4.08. Estimated through the Web of Science, the MOCK IF of ISWCR in 2018 is 2.96, which is a fair representation of the Q2 journals in the field of environmental sciences indexed by SCI/SCIE.

The Journal website can be found at：https://www.sciencedirect.com/journal/international-soil-and-water-conservation-research .

Water security, focus of the 58th session of the Bureau of the International Hydrological Programme

Active since 1975, the IHP Programme relies on UNESCO Member States' constant support to evolve continuously in adaptation to the tasks. Mr Hamet Baba Ly (Senegal), the Chairperson of the IHP Council, welcomed in his opening statement the achievements of the IHP Secretariat and cooperation with Member States, and underlined the need for IHP to ensure its place in the international water sphere.

In progress achieved from an institutional point of view, the current revision of IHP's governing bodies' statutes, which will be submitted to UNESCO's 40th General Conference (November 2019), and the consultative development of IHP's ninth period of work, the phase IHP-IX for 2022 to 2029, shared the limelight of the discussions. Taking on board the results of the Programmes' mid-term evaluation of IHP-VIII (2014-2021), IHP-IX will further strengthen IHP's multidisciplinary approach to achieve holistic water management as well as efforts to coordinate UNESCO's Water Family. The IHP Bureau recommended that the IHP-IX strategy be oriented more towards extreme hydrological events. The Final Report of the 58th session of the Bureau is now available. To strengthen further its ties to and involvement with Member States, IHP continues developing the interface between science and policy-making to improve water security. For instance, IHP provides platforms for Ministers and decision-makers responsible of water issues to share their priorities with scientists, receive expert advice and guide future research. The UNESCO International Conference on Water (May 2019) and the forthcoming second Science Policy Interface Colloquium on Water (SPIC Water) in 2020 are prime examples of such activity at global level.

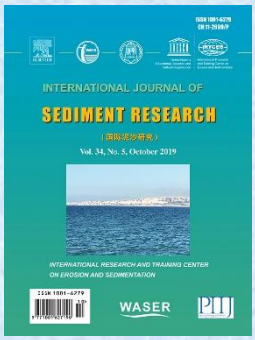
More information available at: https://en.unesco.org/news/water-security-focus-58th-session-bureau-international-hydrological-programme

WASER Awards are announced in Chengdu, China

The Sixth WASER Assembly was held during the 14th International Symposium on River Sedimentation (14th ISRS) in Chengdu, China on September 19, 2019. The Executive Secretary General, Prof. Cheng Liu chaired the Assembly. The President, Prof. Zhaoyin Wang delivered a speech. He reviewed the establishment and development of the Association and reported the main activities relating to international conferences, international training workshops, international awards and development of the IJSR, over the past three years. He also announced the Officers and Members of the Sixth Council of WASER.

Awards including the International Qian Ning Prize for 2019 and the 2019 Distinguished Contributions to Sediment Research Awards, awarded for the best papers published in IJSR during the period 2016-2018 were announced at the Assembly. Prof. Silke Wieprecht (Germany) and Prof. Marwan Hassan (Canada) received the International Qian Ning Prize in recognition of their outstanding scientific or technological contributions in the fields of erosion and sedimentation research. Three papers with corresponding authors of Prof. Navid Kimiaghalam (Canada), Prof. Hongling Shi (China) and Prof. Danesh Tafti (USA) received awards for Distinguished Contributions to Sediment Research.

PUBLICATIONS



Papers Published in the International Journal of Sediment Research Volume 34, No. 5, 2019

Pages 401-508 (Oct. 2019)

Use of incipient motion data for backward erosion piping models
Vera M. van Beek, Bryant A. Robbins, Gijs J.C.M. Hoffmans, Adam Bezuijen, Leo C. van Rijn
Pages 401-408

Determination of the particle load based on detailed suspended sediment measurements at a hydropower plant
Anant Kumar Rai, Arun Kumar
Pages 409-421

Estimating instantaneous concentration of suspended sediment using acoustic backscatter from an ADV
Wenjie Li, Shengfa Yang, Wei Yang, Yi Xiao, ... Shuaishuai Zhang
Pages 422-431

Clay minerals in the late Quaternary sediment of Tulare Lake, California: Implications for climate change, weathering, and erosion processes
Junhua Guo, Christine Pyles, William Krugh, Rob Negrini
Pages 432-443

Effect of self-weight consolidation on a hydro-sedimentological model for the Río de la Plata estuary
Pablo Santoro, Mónica Fossati, Pablo Tassi, Nicolas Huybrechts, ... Ismael Piedra-Cueva
Pages 444-454

Erosion probability model of base-soil particle migration into a granular filter under local flow
Yuan Wei, Mei-li Zhan, Qing-fu Huang, Jin-chang Sheng, ... Qing Zhou
Pages 455-460

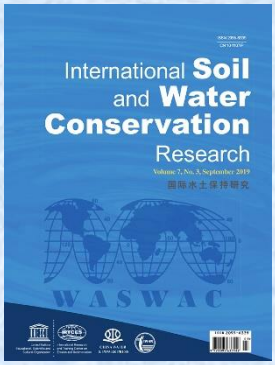
Physical and coupled fully three-dimensional numerical modeling of pressurized bottom outlet flushing processes in reservoirs
Ousmane Sawadogo, Gerrit R. Basson, Simon Schneiderbauer
Pages 461-474

Unpaved rural roads as source areas of sediment in a watershed of the Brazilian semi-arid region
Teresa Raquel Lima Farias, Pedro Henrique Augusto Medeiros, Joaquín Navarro-Hevia, José Carlos de Araújo
Pages 475-485

Effect of phosphatation and calcination on the environmental behaviour of sediments
Moussa Dia, Rachid Zentar, Nor-edine Abriak, Ange Nzihou, ... Alain Germeau
Pages 486-495

Research article Full text access
Turbulence and suspended sediment processes in the Garonne River tidal bore in November 2016
David Reungoat, Xinqian Leng, Hubert Chanson
Pages 496-508

Full papers are available at ScienceDirect: https://www.sciencedirect.com/journal/international-journal-of-sediment-research with free access to the paper abstracts.



Contents of ISWCR (Vol. 7, No.3, 2019)

International Soil and Water Conservation Research
Volume 7, Issue 3
Pages 203-316 (Sep. 2019)

Using the USLE: Chances, challenges and limitations of soil erosion modelling
Christine Alewell, Pasquale Borrelli, Katrin Meusburger, Panos Panagos
Pages 203-225

Effect of hysteresis on the stability of residual soil slope
Christofer Kristo, Harianto Rahardjo, Alfrendo Satyanaga
Pages 226-238

Effect of conservation structures on curbing rill erosion in micro-watersheds, northwest Ethiopia
Ermias Debie, Kailash N. Singh, Mehretie Belay
Pages 239-247

Assessment of the determinants that influence the adoption of sustainable soil and water conservation practices in Techiman Municipality of Ghana
Kwasi Adjepong Darkwah, Joana Deladem Kwawu, Frank Agyire-Tettey, Daniel Bruce Sarpong
Pages 248-257

Effects of rice husk biochar on selected soil properties and nitrate leaching in loamy sand and clay soil
Mohammad Ghorbani, Hossein Asadi, Sepideh Abrishamkesh
Pages 258-265

Review of remote sensing and geospatial technologies in estimating rooftop rainwater harvesting (RRWH) quality
Masayu Norman, Helmi Z.M. Shafri, Shattri B. Mansor, Badronnisa Yusuf
Pages 266-274

Free full papers and open access are available at ScienceDirect :
https://www.sciencedirect.com/journal/international-soil-and-water-conservation-research

COMING EVENTS

CoastLab 2020 (China, May 25-29, 2020)

Date: May 25-29, 2020
Venue: Zhoushan, China
Hosts: Zhejiang University & Dalian University of Technology, co-organized by Sichuan University & Zhejiang Ocean University
Summary: On behalf of the CoastLab2020 Organizing Committees, it is our great pleasure to invite you to participate in the 8th International Conference of Physical Modeling in Coastal Science and Engineering (CoastLab2020) during the 25th -29th of May, 2020 in Zhoushan, China. CoastLab2020 is organized under the auspices of the International Association of Hydro-Environment Engineering and Research (IAHR) and will be jointly hosted by Zhejiang University, Dalian University of Technology, Sichuan University and Zhejiang Ocean University. CoastLab2020 will build on the successes of previous conferences held in Porto (2006), Bari (2008), Barcelona (2010), Ghent (2012), Varna (2014), Ottawa (2016) and Santander (2018). It will provide a stimulating and enriching forum to discuss the latest developments in physical modeling applied to coastal engineering and in new trends in coastal sciences. We are looking forward to collaborating with the Coastal and Maritime Hydraulics Committee of IAHR to host a successful CoastLab2020 in Zhoushan. (Prof. Pengzhi Lin, Prof. Zhiguo He, and Prof. Dezhi Ning)
URL: http://www.coastlab2020.com/
Conference Email: coastlab2020@zju.edu.cn

River Flow 2020 (The Netherlands, July 7-10, 2020)

Date: July 7-10, 2020
Venue: Delft, Netherlands
Summary: The 10th Conference on Fluvial Hydraulics under the auspices of IAHR, River Flow 2020, will be held in Delft, Netherlands, from 7 to 10 July 2020, (with masterclasses on the 6th of July).The conference themes are: rivers in urbanised areas; climate change and extreme events; river functions under pressure; nature based solutions; the healthy river; river resources: food, energy, water; the digital river; river fundamentals.
Deadline for abstract submission: 15 August 2019.
URL: http://www.riverflow2020.nl

World's Large Rivers Conference 2020 (Russia, August 3-7, 2020)

Date: August 3-7, 2020
Venue: Moscow, Russia
Summary: This WASER- / ISI-co-sponsored 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. The conference will be organised by MSU - Lomonosov Moscow State University, Russia, and BOKU - University of Natural Resources and Life Sciences, Vienna, Austria. We kindly ask all interested authors to submit their work within the topics of
- Hydrology, Hydraulics & Hydroclimatic Impacts
- Sediment Transport & River Morphology
- River Pollution, Ecology & Restoration
- Integrated River Management

Special focus will be given this time to **Climate Change** and its impact - not only in general, but also specifically related to **Russian and Arctic Rivers**.
Supported by: WASER World Association for Sedimentation and Erosion Research; **UNESCO** United Nations Educational, Scientific and Cultural Organization; **IAHR** International Association of Hydro-Environment Engineering and Research; **IAHS** International Association of Hydrological Sciences; **IAG** International Association of Geomorphologists
All WASER- and ISI-members can benefit from a reduction of conference fees of 10%.
More information:
URL: http://worldslargerivers.boku.ac.at/wlr/
E-Flyer:
http://worldslargerivers.boku.ac.at/wlr/images/stories/downloads/wlr2020_flyer.pdf

8th International Conference on Flood Management (USA, Aug. 17-19, 2020)

Date: August 17 – 19, 2020
Venue: Iowa City, Iowa, USA
Hosted by: The University of Iowa, Iowa Flood Center, IIHR
Summary: The 8th International Conference on Flood Management (ICFM8) offers a platform to discuss a range of flood related issues and stimulate progress in the management of flood risk. The 8th International Conference on Flood Management (ICFM8) seeks to further advance global research, practice and policy in flood management. With an emphasis on 'resilience', the theme for ICFM8 marks the further progress of integrated approaches to flood management which were first embraced as the International Symposia on Flood Defence (Kassel 2000, Beijing 2002, Nijmegen 2005 and Toronto 2008), the precursor of the subsequent ICFM series (ICFM5 - Tokyo, 2011; ICFM6 - São Paulo 2014; ICFM7 - Leeds, 2017). ICFM8 will be held in Iowa City, Iowa, USA on August 17 - 19, 2020, and will be hosted by the Iowa Flood Center, a research group of the century old IIHR-Hydroscience & Engineering (IIHR) at The University of Iowa. The theme of ICFM8 is 'Lowering Risk by Increasing Resilience' and will focus on building resilience into current and future flood management strategies and approaches as envisioned by the United Nations programmatic documents Sustainable Development Goals (SDGs) and the Sendai agreement on Disaster Risk Reduction (DRR) adopted in 2015. The conference is an integral part of the week-long centennial celebrations at IIHR.
URL: https://icfm2020.org/
Contact: Marian Muste (marian-muste@uiowa.edu)

ISI – Training Workshop on 'River Basin Sediment Monitoring and Management' (Koblenz, German, September 7-11, 2020)

Date: September 7 – 11, 2020
Venue: Federal Institute of Hydrology, Koblenz, Germany
Organizer: International Centre for Water Resources and Global Change under the auspices of UNESCO, German Federal Institute of Hydrology

Co-sponsors: International Sediment Initiative (ISI) of UNESCO IHP, International Research and Training Center on Erosion and Sediment Research (IRTCES).

Summary: The workshop on River Basin Sediment Monitoring and Management focuses on training and capacity building with a particular attention:

i) on monitoring sediment dynamics in relation to (planned) river management or reservoir measures,
ii) on evaluation of monitoring results in terms of impact analysis and management and
iii) on communication and outreach of expert knowledge on sediment dynamics to support sustainable sediment management solutions, which highlight the need for integrated river basin management plans.

Major questions of the WS will be: What are main technical issues in sediment monitoring programs and how to cope with them? How simple/complex do we need to measure (e.g. simple flux measure to complex sediment budget) to provide empirical evidences for the specific management solution?

The workshop aims to provide knowledge on sediment measurement and monitoring, how to transfer measurement and monitoring results to management solution, how to improve current sediment management strategies to find sustainable solution and how to evolve from local river management to integrated landscape management. Although we will focus on inland waters, we also want to highlight possible impacts on downstream areas, including estuaries and coastal zones.

After a general introduction to the topic (1st day), the participants will conduct hands-on workshops on monitoring techniques and data analysis (2nd and 3rd day). During a field trip at the River Rhine, the participants will be introduced to various sensors and techniques for measuring suspended sediment characteristics and loads. On subsequent days the field data will be analyzed by the workshop participates. Their results will be presented in a best-practice guide on suspended sediment monitoring (4th day). Additionally, we offer an excursus about data management and data sharing principles in collaboration with the ISI database as well as with the GEMS/Water Data Centre for Water Quality (gemstat.org) (5th day).

Organization & Contact:
Thomas Hoffmann (Thomas.Hoffmann@bafg.de) and
Stephan Dietrich (Dietrich@bafg.de)

14th International Conference on Hydroscience & Engineering (Turkey, September 22-25, 2020)

Date: September 22-25, 2020
Venue: Çesme, Turkey

Summary: 14th of the International Conference on Hydroscience & Engineering, ICHE 2020 will be held in Çesme, Turkey on September 22-25, 2020. The International Conference on Hydroscience & Engineering began in Washington DC in 1993, and followed by Beijing hosted ICHE in 1995, Cottbus (1998), Seoul (2000), Warsaw (2002), Brisbane (2004), Philadelphia (2006), Nagoya (2008), Chennai (2010), Orlando (2012), Hamburg (2014) Tainan (2016) and Chongqing (2018). These conferences provided a common ground researchers and engineers to report and discuss the latest scientific advancements and practitioner's solutions in hydroscience and engineering. ICHE 2020 conference aims to bring together researchers and practicing engineers to share the latest scientific and technological advancements in hydroscience and engineering, and will provide networking opportunities for future activities. Participants will be able to hear experts in the field discuss the latest achievements in in issues relevant to Hydro-Engineering for Sustainable Development.

Conference Themes

- Coastal and Maritime Hydraulics
- Dam Hydraulics and Safety
- Computational Hydraulics and Turbulent flows
- Water Resources and Climate Change
- Fluvial Hydraulics and Waterway Navigation
- Water Quality and Ecohydraulics
- Watershed Hydrology and Management
- Sediment Transport and Reservoir Sedimentation
- Groundwater Flow and Contaminant Transport
- Hydropower and Sustainable Energy
- Urban Flooding and Drainage
- Advances in Laboratory Measurements and Instrumentation
- Field Measurements and Data Collection

Key Dates

- Abstract Submission: September 1 – November 15, 2019
- Full-Paper Submission: February 1 – April 30, 2020
- Revised Full-Paper Submission: July 15, 2020
- Early Bird Registration: February 1 – July 15, 2020

URL: https://www.iche2020.org/

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The 7th International Conference on Estuaries and Coasts (Shanghai, China, October 18-21, 2021)

Date: October 18-21, 2021 (Tentative)
Venue: East China Normal University, Shanghai, China
Organizers:
East China Normal University
Sponsors: International Research and Training Center on Erosion and Sediment Research (IRTCES); World Association for Erosion and Sediment Research (WASER)
Co-sponsors: International Association for Hydro-Environment Engineering and Research (IAHR).....(to be invited)
Secretariat: East China Normal University

Summary: The International Conference on Estuaries and Coasts (ICEC) is a triennial event initiated by the International Research and Training Center on Erosion and Sedimentation (IRTCES). Six such conferences have now been held in Hangzhou and Guangzhou, China; Sendai, Japan; Hanoi, Vietnam; Muscat, Oman, and Caen, France in 2003, 2006, 2009, 2012, 2015 and 2018. With support from related international associations, and with the participation of experts and scholars worldwide, the ICEC has attracted wide attention and has become an important and popular event. The ICEC provides an opportunity for scientists, engineers, researchers and decision-makers to exchange ideas, research results and advanced techniques, and develop collaboration and friendships. The 7th International Conference on Estuaries and Coasts (ICEC-2021) will be held in the East China Normal University, Shanghai, China during October 18-21, 2021.

Overall Theme:
Anthropocene Coasts

Topics of the Conference (tentative)**:**
1. Hydrodynamics in estuaries and coasts: tides, waves, circulations, and their interactions;
2. Sediment transport dynamics: sand, mud and their mixture;

3. Multi-scale morphodynamics: tidal flats, estuaries, deltas, beaches, dunes, eco-morphodynamics…;
4. Coastal management: flood defense, ecosystem conservation, human-nature interactions…
URL: (to be provided)
Contacts: (to be provided)

15th International Symposium on River Sedimentation (Florence, Italy, September, 2022)

Date: September, 2022 (Three consecutive days at the end of August / beginning of September, 2022)
Venue: Florence, Italy
Organizer: University of Florence and University of Padua
Sponsors: International Research and Training Center on Erosion and Sediment Research (IRTCES); World Association for Erosion and Sediment Research (WASER)
Co-sponsors: International Association for Hydro-Environment Engineering and Research (IAHR).....(to be invited)
Secretariat: University of Florence, Italy
Permanent Secretariat: IRTCES
Summary: The triennial International Symposium on River Sedimentation (ISRS) was initiated in 1980. Since its foundation, IRTCES has served as the permanent secretariat of ISRS. WASER was inaugurated at the 9th ISRS in 2004, and the ISRS has since become the official Symposium of WASER. The objective of the ISRS is to provide a forum for scientists, engineers, researchers and decision makers to exchange ideas, research results and technical advances, , and to share experience and information relating to the study of sediment and its management.
Symposium Theme and Topics:
The theme of the symposium is
Sustainable Sediment Management in a changing Environment (tentative)
The symposium topics include (tentative):
1. Sediment transport
2. Reservoir sedimentation
3. River morphodynamics
4. Coastal morphodynamics
5. Ecomorphodynamics
6. Sediment related disaster
7. Plastic in river and coastal systems
8. Interaction between sediment dynamics and hydraulic structures
9. Integrated Sediment Management at the River Basin Scale
10. Social, economic & political problems related to sediment and water management
URL: (to be provided)
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INTERNATIONAL SEDIMENT INITIATIVE (ISI)

International Hydrological Programme (IHP)
UNESCO

ORGANISATION: UNESCO

Youssef Filali-Meknassi	UNESCO, Paris
Philippe Pypaert	UNESCO, Beijing
Anil Mishra	UNESCO, Paris

ISI URL: http://www.irtces.org/isi/

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Yambdrok Lake, Tibet, China (by Qi Ren, March, 2019)