

WORLD ASSOCIATION FOR SEDIMENTATION AND EROSION RESEARCH(WASER)

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NEWSLETTER

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1 SECOND COUNCIL MEETING OF WASER HELD IN MOSCOW

The Second Council Meeting of the World Association for Sedimentation and Erosion Research (WASER) was held in Moscow, prior to the 10th International Symposium on River Sedimentation, on the afternoon of July 31, 2007. 21 participants attended the council meeting, they included:

The Council members, Prof. Desmond E. Walling from United Kingdom, Prof. Giampaolo Di Silvio from Italy, Prof. Chih Ted Yang from USA, Prof. Qiyang Yu from China, Prof. Chunhong Hu from China, Prof. Zhaoyin Wang from China, Prof. Ulrich C.E. Zanke from Germany, Prof. H.E. Nakagawa from Japan, Prof. Jim Bogen from Norway, Prof. R.S.Chalov from Russia, Prof. G. Basson from South Africa, Prof. Sam S.Y. Wang from USA, Prof. John R. Gray from USA, former council member, Prof. Helmut Scheuerlein from Austria, staff of the secretariat of WASER , Prof. Dingzhong Dai, Director of the Qian Ning Foundation for Erosion and Sedimentation Technology, Prof. Xiaoying Liu, Treasurer of WASER, Prof. Yanjing Zhang and

The members of the Local Organizing Committee for the Moscow Symposium, Prof. N.S. Kasimov, Dean of the Faculty of Geography at Moscow State University, Prof. N.I. Alexeevskiy, from the Faculty of Geography at Moscow State University and other representatives. Council members, Dr. Andras Szollosi Nagy from UNESCO, Prof. W.Froehlich

from Poland, Prof. Siba Prasad Sen from India, and Prof. Farhad Yazdandoost from Iran were unable to attend the meeting and presented their apologies.



Second Council Meeting of WASER



Prof. Des E. Walling, President of WASER

Prof. Des E. Walling presided over the meeting. After Prof. Kasimov's welcoming speech, the agenda of the meeting covered the following issues:

- 1 President's report by Prof. Des E. Walling;
- 2 Treasurer's report by Prof. Xiaoying Liu;
- 3 Declaration of result of election of Council Members to WASER 2007-2010 by Prof. Des Walling;
- 4 Nomination of Prof. Bingnan Lin from China and Prof. E. Plate from Germany as honorary members of WASER;
- 5 Proposal for the establishment of the first WASER International Qian Ning Prize for Erosion and Sedimentation Technology and nomination of award candidates;
- 6 Report on the second WASER Prize for the best papers published in the International Journal of Sediment Research, by Prof. Chih Ted Yang;
- 7 WASER work plan 2007 – 2010 drafted by Prof. Qiyang Yu and Prof. Xiaoying Liu; and
- 8 Report on venue, sponsors and central theme of the 11th ISRS, which is to be held in Stellenbosch South Africa in 2010, by Prof. G.Basson.

During the meeting, on behalf of Prof. Shangfu Kuang, President of the IRTCES, Prof. Des E. Walling officially announced the result of election of Council Members of WASER 2007-2010. The meeting also discussed amendment of WASER Statutes and establishment of Nomination Committee of Council and suggested a team led by Prof. G. Di Silvio to prepare a draft version for circulation and approval of the council.

Finally, Prof. Des E. Walling declared the closing of the meeting and expressed heartfelt thanks to the Local Organizing Committee for the excellent work and hospitality provided for the council meeting.



2 DECLARATION OF RESULT OF ELECTION OF MEMBERS TO WASER COUNCIL, 2007-2010

I, Shangfu, Kuang, being the Returning Officer at the above election, do hereby give notice that the number of votes recorded for each Candidate at the said election is as follows.

COUNTRY	NAME OF CANDIDATE	POSITION	Votes Approved	Votes Dis-approved	Votes Un-pollled
UK	Des E. Walling	President	181 Elected	1	1
Italy	G.. Di Silvio	Vice President	178 Elected	4	1
USA	C. Ted Yang	Vice President	178 Elected	2	3
China	Qiyang Yu	Secretary General	176 Elected	3	4
China	Chunhong Hu	Council Member	179 Elected	2	2
China	Zhao-Yin Wang	Council Member	182 Elected	1	0
Germany	Zanke C.E. Ulrich	Council Member	178 Elected	3	2
India	S.P. Sen	Council Member	175 Elected	4	4
Iran	F. Yazdandoost	Council Member	175 Elected	6	2
Japan	H.E Nakagawa	Council Member	177 Elected	2	4
Norway	Jim Bogen	Council Member	178 Elected	1	4
Poland	Wojciech Froehlich	Council Member	174 Elected	4	5
Russia	Roman S.Chalov	Council Member	176 Elected	3	4
South Africa	Gerrit Basson	Council Member	177 Elected	3	3
USA	Sam S. Y. Wang	Council Member	180 Elected	3	0
USA	John Gray	Council Member	176 Elected	4	3
Hungary	A. Szollosi Nagy	Council Member	178 Elected	5	0

And I do hereby declare that, Des E. Walling, G. Di Silvio, C. Ted Yang, Qiyang Yu, Chunhong Hu, Zhao-Yin Wang, Zanke C.E. Ulrich, S.P. Sen, Farhad Yazdandoost, H.E Nakagawa, Jim Bogen, Wojciech Froehlich, Roman S.Chalov, Gerrit Basson, Sam S. Y. Wang, John Gray, Andras Szollosi Nagy are duly elected.

Dated Tuesday, 31 July 2007



Shangfu Kuang, President of the IRTCES

3 WASER ASSEMBLY HELD IN MOSCOW

The WASER Assembly was held in Moscow during the 10th International Symposium on River Sedimentation, on the afternoon of August 4, 2007. WASER members and participants from all over the world attended the Assembly. The Assembly afforded a valuable opportunity for all WASER members to get together nearly three years after the birth of the Association.

Prof. Des E. Walling, President of WASER, presided over the General Assembly and delivered a general report on the activities and development of WASER.



President of WASER, Prof. Des E. Walling Presiding over the Assembly and Delivering General Report

Prof. G. Di Silvio, Vice President of WASER, announced the conferment of honorary membership on two members of the Association and briefly reviewed their important accomplishments and contributions. The two members are Prof. Bingnan Lin from China and Prof. E. Plate from Germany; Prof. Des E. Walling and Prof. Chih Ted Yang presented the certificates and medals to their representatives. A short speech was given by a representative.



Vice President of WASER, Prof. G. Di Silvio Announcing Honorary Members

President of WASER, Prof. Des E. Walling and Vice President of WASER, Prof. Chih Ted Yang Handing Certificates and Medals to the winners





Medal of Honorary Member of WASER



Vice President of WASER, Prof. Chih Ted Yang Announcing Prize Winners of Second WASER Prize for the Best Papers Published in the WASER Journal

Prof. Chih Ted Yang, Vice President of WASER, announced the list of recipients of second WASER prize for the best papers published in the “International Journal of Sediment Research”, Prof. G. Di Silvio, Vice President of WASER, Prof. Qiyang Yu, Secretary General of WASER, and Prof. Roman S. Chalov, Council Member of WASER, presented medals to winners, they are:

G. Q.Wang, X. D. Fu, and X. K. Wang for the paper

“Kinetic Modeling of Constitutive Relations for Particle Motion in Low to Moderately Concentrated Flows”, IJSR Vol. 20, No. 4, 2005

W. Wu and S. Wang for the paper

“Depth Averaged 2-D Calculation of Tidal Flow, Salinity and Cohesive Sediment Transport in Estuaries”, IJSR Vol. 19, No. 3, 2004

U.C. E. Zanke for the paper

“On the Influence of Turbulence on the Initiation of Sediment Motion”, IJSR Vol. 18, No. 1, 2003

Responses were given by representatives of the winners.



Vice President of WASER, Prof. G. Di Silvio, Secretary General of WASER, Prof. Qiyang Yu and Council Member of WASER, Prof. Roman S. Chalov handing medals to the prize winners.

Prize winners: Prof. Weiming Wu (USA), Prof. Ulrich Zanke (Germany) and Prof. Xudong Fu (China)



Prof. Dingzhong Dai, Director of the Qian Ning Foundation for Sedimentation and Erosion Technology announced the creation on the Qian Ning International Prize of WASER and the first winners of the prize. The winners are Prof. Des E. Walling from UK and Prof. Sam S. Y. Wang from USA. Prof. Qiwei Han, Academician of the Chinese Academy of Engineering, Professor of the IWHR, and Prof. Guangqian Wang of Tsinghua University, China, presented the certificates, medals and honoraria. A response was given by Prof. Sam S.Y.Wang, as representative of the prize winners.



Director of the Qian Ning Foundation for Erosion and Sedimentation Technology, Prof. Dingzhong Dai announcing the prize winners of the first Qian Ning International Prize of WASER

Academician of the Chinese Academy of Engineering, Prof. Qiwei Han and Professor of Tsinghua University, Prof. Guangqian Wang Handing Certificates, Medals and Honoraria to the Winners



Finally, Prof. Des E. Walling declared the closing of the Assembly and again, expressed heartfelt thanks to the Local Organizing Committee for their excellent work and hospitality.

4 PRESIDENT'S REPORT AT THE WASER GENERAL ASSEMBLY



Dear Colleagues,

It is a great pleasure to welcome you to the WASER Assembly. I feel that this must be seen as something of a milestone, as it is the first Assembly of our Association after its inauguration in Yichang, China, three years ago.

Nearly three years have now elapsed since the birth of our Association and I feel that we can be justifiably proud that, in its infancy, it has prospered and begun to grow into an active and successful organisation. We now have nearly 300 paid up members and with these representing more than 40 countries, covering all continents, they provide a truly international basis for a 'world' Association. Equally, since one of the key aims of our Association is to promote interchange and collaboration between the many different disciplines working in the field of erosion and sedimentation, it is good to see that our members now embrace many different specialisms, including hydraulic engineering, hydrology, geomorphology, soil science, geochemistry, soil conservation, ecology, and estuarine and marine science. However, WASER is still very much in its infancy and we must continue to work hard to ensure that it achieves its full potential.

Looking back over the first three years of our new Association, I would like, first of all, to review some successes in its early development. We now have a comprehensive website, that has done much to raise the visibility of the Association, by providing information on both the Association and its activities and other sediment-related activities within the international arena. We also have a newsletter and since 2005 the International Journal of Sediment Research has become the official journal of WASER and takes the name of the Association around the world. The WASER prize for the best paper in IJSR also emphasises the commitment of our Association to the promotion of scientific research. Activities directed at younger scientists, and education and training have also been initiated and in 2005 WASER collaborated with IAHR-APD and IRTCES to organise a very successful Study Tour of the Three Gorges Project that attracted 27 participants and was able to provide some bursaries to assist young scientists to participate in the Study Tour.

The ISRS will, I hope, continue to be an important element of the programme of WASER activities. It represents our Triennial Symposium and it provides the venue for our Council meeting and for our Assembly. The Moscow Symposium has proved an outstanding success and we look forward to the 11th ISRS to be held in three years time in Stellenbosch, South Africa. This will take the ISRS to sub-Saharan Africa for the first time and it will provide a valuable opportunity for WASER to strengthen its connections and involvement with this area of the world and with developing countries more generally.

WASER has not yet actively considered the possibility of itself organising other major meetings to complement the ISRS and it may be that with the programme of international meetings becoming increasingly congested, this should not be seen as a priority. However, it is

important that WASER should continue to raise its profile and to promote cooperation with other international organisations and bodies working in the sediment field. With this in mind Zhaoyin Wang and myself and other Council members have endeavoured to involve WASER in a broad range of international meetings as a cosponsor. Meetings that WASER has cosponsored, or will cosponsor in the near future include:

- (1) The UNESCO ISI Workshop on Sediment Management in South and Southeast Asia, held in Bangkok, Thailand, April, 2006.
- (2) The second Sino-American Workshop on Advanced Computational Modelling in Hydrosciences and Engineering, held in Beijing, China, in November, 2006.
- (3) The Second International Conference on Estuaries & Coasts (ICEC-2006), held in Guangzhou City, China, November, 2006.
- (4) The International Bedload Surrogates Workshop, held in Minneapolis, USA, April 11-14, 2007.
- (5) The International Conference on Erosion and Torrent Control as a factor in Sustainable River Basin Management, to be held in Belgrade, Serbia, in September, 2007.
- (6) The 8th International Conference on Hydro-Science and Engineering (ICHE, 2008), to be held in Nagoya, Japan in September 2008.
- (7) The International Conference on Green Hydropower to be held in India in 2009

I feel that it is important that we should continue to exploit such opportunities in the future and expand the scope of our collaboration with other organisations and agencies. Already links with UNESCO have been strengthened and WASER has been invited to join IWALC, the International Water Associations Liaison Committee. There is clearly scope to launch other new actions and the initial proposals made by John Gray and his colleagues for the WaSSIN (Watershed-scale Sediment Information Network), initiative, with which WASER would be closely linked, must be greatly welcomed. Plans are also being made to commence the production of white papers reviewing key themes and problems in the field of erosion and sedimentation.

Looking back over the past three years and the growth and development of our Association, I am conscious that we owe a great deal to the enthusiasm and support of our Secretary General, Zhaoyin Wang, and to the Secretariat within IRTCES, particularly Professors Shangfu Kuang, Chun-hong Hu and Xiaoying Liu. Professor Xiaoying Liu also serves as our Treasurer and the accounts that he produced for the Council meeting again emphasise the important support that we receive from IRTCES. Without this financial support we would be insolvent! As we move forward into the next three years of the Association's life, a new Council has been elected and I would like to take this opportunity to express the thanks of myself, the Vice-Presidents and other members of the new Council to the retiring members. These include, Ed Ongley, Erich Plate, K. Ranga Raju, Leo Van Rijn, Syunsuka Ikeda, Helmut Scheurlein, Marcelo Gavino Novilo and Bignan Lin. Particular thanks are due to Bignan Lin, since it was his enthusiasm, drive and guidance that provided the critical catalyst for the long but successful process of establishing WASER at the 9th ISRS, three years ago. Special thanks are also due to Zhaoyin Wang, who stands down as Secretary General, for his major contribution to our Association both during the past three years and in the earlier stages of its formation. It is good that he has agreed to continue as an ordinary member of the Council. We warmly welcome Professor Qiyang Yu, from China, as our new Secretary General.



President of WASER

5 OTHER NEWS

INTRODUCTION OF THE NEW HONORARY MEMBERS OF WASER

BRIEF INTRODUCTION OF DR. BINGNAN LIN

Dr. Bingnan Lin was born on 21.4.20 in Fujian Province, China. He will be very well known to the Council Members of WASER and to the WASER membership. His nomination for Honorary Membership of WASER is based on both his outstanding record of scientific achievements and his very important role in the process that led to the establishment of WASER in 2004.



As a scientist and engineer, Bingnan Lin has made an outstanding contribution to the study of erosion and sedimentation both in China and internationally. His initial university education was obtained at Jiao Tung University in Tangshan, China and he subsequently spent several years in the USA, in Iowa, during the early part of his career. His resulting familiarity with western science and scientists proved highly important in the re-entry of China to the international arena in the field of erosion and sedimentation in the late 1970s and early 1980s. He played a key role in organizing the First International Symposium on River Sedimentation held in Beijing in 1980, which marked an important turning point in scientific interchange between China and the rest of the world and he was a major driving force behind the establishment and development of the International Research and Training Center in Erosion and Sedimentation (IRTCES) in Beijing, which further strengthened links between China and the wider international community.

Bingnan Lin's career in China has been closely linked to the China Institute of Water Resources and Hydropower Research in Beijing, where he served as both Senior Engineer and President. Since 1990 he has held the position of President Emeritus and Senior Engineer. His high standing within China is clearly demonstrated by his receipt of Vanguard Worker awards from both the National Science Assembly of China, and the China Ministry of Water Conservancy, in 1978, his election to Membership of the Chinese Academy of Sciences in 1993 and his role as Chief of the Panel on Sedimentation and Erosion for the Three Gorges Project, over a period of more than 20 years (1985-2007) and from which he only very recently retired. Since 1998 he also served as Advisor to the Technical Committee of the China Corporation for the Development of the Three Gorges. The importance of the Three Gorges Project as an outstanding feat of engineering is recognised throughout the world and Bingnan Lin has played a major role in making this possible through his work in dealing with the many potential sedimentation problems. His achievements have also been widely recognised internationally. He was elected as a Member of the Distinguished Engineering Alumni Academy of the University of Iowa in 1993, he received the ASCE Arid Lands Hydraulic Engineering Award in 1997, he was made an Honorary Member of IAHR in 1997, and in 2004 he received the Award for the Outstanding Paper published in the International Journal of Sediment Research.

Bingnan Lin is also widely and justifiably known as the 'father' of WASER. It was his enthusiasm, drive and political skills that laid the foundations for the establishment of the Association in 2004 at the Ninth International Symposium on River Sedimentation held in Yichang, China. He served as a member of the Council of WASER from 2004-7 and actively promoted the expansion and development of the new Association. He asked to retire from the Council at the end of the current term, since he is now unable to travel out of Beijing, and it is highly appropriate that he should now be one of the first persons to be accorded Honorary Membership of our Association.

BRIEF INTRODUCTION OF DR. ERICH PLATE:

Dr. Erich Plate (1929.07-) is a renowned scientist who made exceptional contributions to the



progress of water resources research and applied hydrology during the past 30 odd years. In these fields he was the leading scientist in Germany for decades. He opened the eyes of many water scientists and engineers on the need for a sustainable development and use of water resources and management of sediment. He was one of the first to urge the scientific community for a multi-disciplinary approach, to cope with the future challenges in water resources and sediment management.

Internationally he has been very active. He was vice president of International Association of Hydraulic Research (IAHR) from 1976 to 1980 and the president of IAHR from 1984-1988. As the chairman of Committee for Water Research of the International Council of Scientific Unions in 1993 he initiated a study on the need for sustainable water resources: "Water in our common future; a research agenda for sustainable development of water resources". He has been guest lecturer at many universities and institutes and supervised more than 60 PhDs. He has published over 300 articles in scientific journals and has an excellent reputation as a researcher. He is respected worldwide, not only for his excellence but also for his stimulating, gentle and honest character.

Dr. Plate was professor of Civil Engineering at Colorado State University, U.S. and became professor at the University of Karlsruhe in 1970. He has been chairman of many committees associated with water in Germany, including the Committee for Water Research of the German Science Foundation and the Scientific Advisory Board of the German National Committee on Disaster Reduction for the International Decade for Natural Disaster Reduction (IDNDR). Internationally he was president of the IAHR and has been a member of the Scientific and Technological Committee for the IDNDR. Much of his extensive work in hydraulic engineering research has been on flood modeling, sediment transportation, risk analysis, and water resources management.

He initiated the German-Sino Cooperation on Unsteady Sediment Transportation (GESINUS) was elected as a council member of WASER and attended the first council meeting in 2004

INFORMATION ON FUTURE SYMPOSIA TO BE CO-SPONSORED BY THE WASER

(a) The Third Sino-American Workshop on Advanced Computational Modelling in Hydro sciences and Engineering to be held in USA, in 2008. For more details please consult the news of website: <http://content.asce.org/conferences/ewri2008/dates.html>; <http://www.waser.cn> or <http://www.irtces.org>.

(b) The Third International Conference on Estuaries & Coasts (ICEC-2009), to be held in Japan, 2009. For more details please consult the news of website: <http://www.waser.cn> or <http://www.irtces.org>

(c) The International Conference on Erosion and Torrent Control as a factor in Sustainable River Basin Management, to be held in Belgrade, Serbia, in September, 2007. More details can be found at <http://www.sfb.bg.ac.yu/erosion2007>

(d) The 8th International Conference on Hydro-Science and Engineering (ICHE-2008), to be held in Nagoya, Japan in September 8-12, 2008. More details can be found at <http://www.civil.nagoya-u.ac.jp/~iche2008> or contact: ttsujimoto@genv.nagoya-u.ac.jp

(e) The International Conference on Green Hydropower to be held in India in 2009. More details can be found at: <http://www.waser.cn>

(f) The 11th International Symposium on River Sedimentation to be held in University of Stellenbosch, Stellenbosch, South Africa, in September 2010. To get on the mailing list for the 11th IISRS 2010, please send an e-mail to : isrs2010@sun.ac.za



Edited by the WASER

President: Des Walling

Vice Presidents: Giampaolo Di Sileo, Chik Ted Yang

Giampaolo Secretary General: Qizang Yu

Treasurer and Secretary: Xiaoying Liu