



IWRA *Update*

Newsletter of International Water Resources Association

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Message from the Executive Director



This issue of IWRA Update marks the end of the 2011, the year of IWRA's 40th Anniversary. In this edition, we highlight the November issue of Water International that explores the association's unique

contribution to world water management. I am also pleased to note that the 14th IWRA World Water Congress was held successfully from 25 to 29 September in Porto de Galinhas, Brazil. Whilst we are still waiting on official figures, there was an estimated 900 participants attending 63 sessions. Since then, IWRA and its board members have remained very active with events in China, Czech Republic and the USA. I'd like to congratulate President Jun Xia on receiving the "International Prize for Outstanding Contributions to Water Management"; and Treasurer Gabriel Eckstein on being elected to the Executive Council of the International Association for Water Law. In the upcoming year, IWRA will be playing a very active role in the 6th World Water Forum

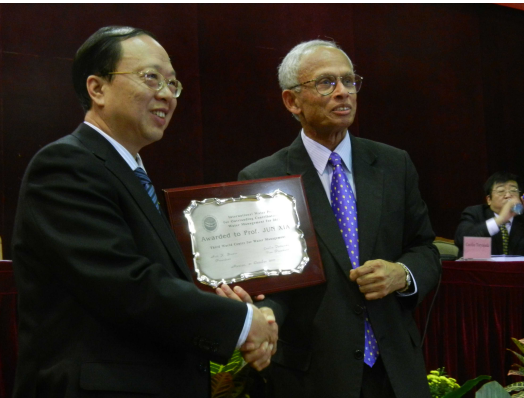
and there will be some particularly exciting initiatives arising from an agreement recently signed with the Qingdao Hydrology and Water Resources Survey Bureau to develop scientific cooperation with China and the Asia/Pacific region.

I'm also pleased to say that IWRA is also becoming increasingly active on social media with new accounts on Youtube, Facebook and Twitter. Please follow us online!

I thank all of our members for the support throughout 2011 and all of us at the Executive Office send our warmest greetings and wishes for the holiday season and for a great year in 2012.

**See you next year!
Tom Soo**

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Credit: Jun Xia

JUN XIA AWARDED by "The International Prize for Outstanding Contributions to Water Management"



The Third World Centre for Water Management awarded its International Prize for Outstanding Contributions to Water Management to Prof. Jun Xia, IWRA President and Director of the Key Laboratory of Water Cycle and Related Land Surface Process, Chinese Academy of Sciences. Prof. Xia was recognised for his "outstanding and lifelong achievements and contributions to improve water management in the world in general, and in China in particular". One of the important contribu-

tions of Prof. Xia has been to develop a non-linear time-variant model which was tested and verified in over 60 basins in different climatic regions of the world. The work carried out by Prof. Xia has significantly improved our understanding of water-land-environment-human-ecosystems interactions, potential impacts of climate change on water planning and management processes, and scientific management of river basins. Through his role as a teacher, he has educated and influenced a new generation of water professionals who will undoubtedly contribute significantly to efficient and equitable management of water in China, both in terms of quantity and quality". The Award also commended Prof. Xia for his "contributions in improving cooperation and collaboration between water professionals from China and the rest of the world. In his roles as President of the International Water Resources Association, Vice President of the International Association of Hydrological Sciences and a member of the Board of Governors of the World Water Council, his contributions to North-South and South-South knowledge and experience transfer have been very significant".

Prof. Xia is the first winner of this Prize. He received this prestigious Award from Prof. Asit K. Biswas, President of the Third World Centre for Water Management and a former IWRA President, on 21 October 2011 during the Xi'An International Symposium.

IWRA TREASURER, GABRIEL ECKSTEIN, was appointed to the Executive Council of the International Association for Water Law (AIDA)



AIDA Website at:
<http://www.aida-waterlaw.org>

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IWRA 40TH ANNIVERSARY

IWRA was officially created forty years ago, on 29 November 1971 in the State of Wisconsin. IWRA celebrated this special anniversary during the XIVth World Water in Porto-de-Galinhas, Brazil last September: a presentation about the history of the association was given during the General Assembly and a special toast during the gala dinner. A special pin celebrating the 40th Anniversary of IWRA was issued with the support of the Qingdao Hydrology and Water Resources Survey Bureau to all the participants of the Congress. Water International is also celebrating this date with a series of articles related to IWRA history (see the summary of *Water International* Issue 7 – November 2011). In 2012, more articles and information related to the history of the association will be published. The Executive Office is actively researching the IWRA history: if you would like to share any document or information about IWRA's history, please do not hesitate to contact the IWRA Executive office at: office@iwra.org

ANNOUNCEMENT: Call for nominations for the IWRA Executive Board 2013-2015

President Jun Xia has appointed a Nominating Committee for the next Executive Board, to take office for three years beginning 1 January 2013. The Executive Board has approved his appointments. President Xia is the chair of the committee. The others are Cecilia Tortajada, Murad Bino, Jia Shaofeng and Olli Varis. With the establishment of the committee and the appointment of its chair, nominations for all elective positions on the Executive Board are open for at least 90 days, effectively immediately.

Nominations may be made by current Executive Board members and from other IWRA members in good standing. Self-nominations are allowed, in which case willingness to serve will be assumed. The position includes: President, Vice-President, Secretary-General, Treasurer [US resident only], Standing Committee Chairperson [Awards, Membership or Publications], Director. According to the Constitution, none of the members of the Nominating Committee are eligible to serve as the next President, Vice-President, Secretary-General or Director. Other than them, according to Bylaws Article V.C.(2):

Any member shall be eligible to run for an Executive Board position if (1) they have paid their dues; (2) they are willing to serve if elected; (3) they run for only one position; (4) they did not already hold that position; and (5) they do not hold a position in another organization that could be considered incompatible.

Nominations, including both name of the nominee and the position, should be sent to the Chair of the Nominating Committee (xiaj@ignrr.ac.cn) before Saturday 17 March 2012.

For more information about the election process and the role of the Executive Board members, please consult the IWRA Constitution and Bylaws at:

<http://www.iwra.org/index.php?mainpage=58&page=188&subpage=>

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Credit: IWRA

PARTNERSHIP between IWRA and the Qingdao Hydrology and Water Resources Survey Bureau

We are pleased to announce that during the XIVth World Water Congress, IWRA signed a partnership agreement with the Qingdao Hydrology and Water Resources Survey Bureau (QHWRSB). This partnership will see the creation of

the IWRA-China Sciences and Technology Centre for Water Resources hosted by the Qingdao Haier Science & Technology Museum. The Centre aims to promote international cooperation and communication in the field of Chinese

water resources, as well as offer a base and communication platform for regional Asia-Pacific.

The Centre will run and host international water resources research and education programs, conferences, symposiums, seminars, exhibitions, and advanced lectures. These activities will be run with respect to current and future water issues in a global, regional (Asia-Pacific) and Chinese perspective.



7TH WORLD WATER FORUM in Daegu, Republic of Korea

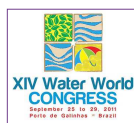
The World Water Council selected Daegu Metropolitan City and the Republic of Korea to host the 7th World Water Forum in 2015, during the 43rd Board of Governors meeting organised on 14-15 November in Rome at the headquarters of the FAO. The selection followed a rigorous evaluation process for the candidates, closed by a final vote of the Governors.



XVTH IWRA WORLD WATER CONGRESS, Granada 2014

The host for the XVth World Water Congress in 2014 will be the University of Granada, in Granada, Spain. More information about this event will be frequently updated on our Website.

Latest IWRA activities



XIVth IWRA World Water Congress, Porto-de-Galinhas

Approximately 900 persons attended the XIVth IWRA World Water Congress in Porto-de-Galinhas, Brazil. Thank you to the Brazilian organisers, all the authors and participants, sponsors and exhibitors for your participation! The proceedings of the Congress and photos of the event will be available on the IWRA website soon.

IWRA Board Meeting

IWRA held a board meeting during the XIVth IWRA World Water Congress, on 27 September 2011, in Porto-de-Galinhas, Brazil.



Hydro2011

IWRA was a supporting organisation of this event. Hydro2011 was organised by The International Journal of Hydropower and Dams in Prague, Czech Republic from 17 to 19 October 2011 and the main theme was “Practical Solutions for a Sustainable Future”.

The official programme may be downloaded at:

http://www.iwra.org/doc/Programme_hydro2011.pdf

Xi'an Symposium

The International Symposium on Impact of Climate Change on Water Resources in arid and semi-arid regions was sponsored and organised by IWRA on 21-23 October 2011, the International Association of Hydrological Science (IAHS) and Xi'an University of Technology.

Prof. Jun Xia (IWRA President) was the Chairman of the Scientific Committee; Prof. Cecilia Tortajada (IWRA Past President) and Prof. James Nickum (IWRA Secretary General) were members of the Scientific Committee. Four other IWRA Board members attended the



Xi'an Symposium

symposium: Prof. Gabriel Eckstein (IWRA Treasurer), Prof. Giuseppe Rossi (IWRA Vice-President), Mr. Rafael Izquierdo and Prof. Chan Ngai Weng (IWRA Directors). Between 800 and 1000 participants attended the 1st day of the event. Other key persons participated such as: Pierre Hubert (President of IAHS), Janos J. Bogardi (Executive Officer of GWSP) as members of Scientific Committee, Yu Wanchun (Director of QHWRSB) and representatives of the Chinese Vice Minister of Water Resources, etc.



Crédits : Jun Xia

During the event, Prof. Jun Xia was awarded with “**The International Prize for Outstanding Contributions to Water Management**”.

To access the official website, please follow the link below:

<http://iwra2011.xaut.edu.cn/>

Latest IWRA activities

Chinese Water Resources Vice-Minister, Mr. Jiao Yong, met with the IWRA delegation



Credits : MWR China

Vice Minister Jiao Yong met with the IWRA delegation led by Prof. Jun Xia Jun on 28 October 2011. Former IWRA Presidents, Prof. Asit K. Biswas and Prof. Cecilia Tortajada and officials and experts from the Ministry of Water Resources joined the meeting.

World Lake Conferences

The International Lake Environment Committee (ILEC) and the River Systems Institute–Texas State University co-sponsored the 14th World Lake Conference, which was held in Austin, Texas, USA, from 31 October to 4 November, 2011. The conference provided an interactive international forum for the exchange of knowledge and experiences on important lake and reservoir science, management and governance issues.

Gabriel Eckstein, IWRA Treasurer, chaired a technical session about Water Policy and Customs.

To consult the final programme,
please follow this link:

<http://www.wlc14.org/storage/information/world-lake-conf-program.pdf>



The 6th China International Water Business Summit

IWRA was an endorser of this event. This event was co-organised on 13-14 October 2011 in Beijing, China by the Department of Water Resources Management of the Ministry of Water Resources of the People's Republic of China and Chinese Hydraulic Engineering Society, with the support of many international and local authoritative institutions. The purpose of the event was to assess the past while looking into the opportunities arising from market insights, Private Public Partnership project practice, financing & investment and technological innovation in waste water treatment, desalination, and water reuse.

To consult the event website,
please follow this link:

<http://www.cdmc.org.cn/2011/water/>

World Water Council 43rd Board of Governors meeting

This meeting was organised on 14-15 November in Rome at the headquarters of the Food and Agriculture Organization (FAO) and was attended by Prof. Jun Xia.

During this meeting, the Governors voted for Daegu Metropolitan City (Republic of Korea) to host the 7th World Water Forum in 2015. To conclude this meeting, the Governors expressed their desire to reinforce cooperation between the World Water Council and the FAO, in order to place the issues of agriculture and food at the heart of water's political agenda, in particular during the 6th World Water Forum, which will be held in Marseille on 12-17 March 2012.

Details on latest activities under
the "Events/Other events" tab on
the IWRA Website.

Upcoming events



The 4th International Symposium on Hydraulic Structures and the 11th Water Congress

The 4th International Symposium on Hydraulic Structures is organised by the Hydraulic Structures Committee of the International Association for Hydro-Environment Engineering and Research (IAHR), and will be co-located for the first time with the 11th Water Congress which is the largest Portuguese event on hydraulics and water resources, organised every two years by the Portuguese Water Resources Association (APRH). Both events will take place in Porto, Portugal and the dates of these events are from 6 to 8 February for the 11th APRH Water Congress and from 9 to 11 February for the 4th IAHR International Symposium on Hydraulic Structures.

To consult the official website, please follow the links below: <http://www.aprh.pt/ishs2012/index.html>

<http://www.aprh.pt/congressoagua2012/>



Hydrological Sciences at the 2012 European Geoscience Union

The 2012 European Geosciences Union (EGU) will be organised in Vienna on 22-27 April 2012. It will bring together geoscientists from all over the world into one meeting covering all disciplines of the Earth, Planetary and Space Sciences. The EGU appeals to young scientists to present their work and discuss their ideas with experts in all fields of geosciences. You can access the event website at

<http://meetings.copernicus.org/egu2012/>

The organisers would like to invite participants to attend the session on “Climate change and water infrastructure” co-organised by Dr. Maria Naranjo (Researcher at the Madrid Institute of Advanced Studies on Water, IMDEA-Water, Madrid, Spain); Dr. Cecilia Tortajada (past President of IWRA and Scientific Director of the International Centre on Water and Environment, Zaragoza, Spain); and Ms. Carla Arregoitia, ARRHER-Engineering, Mexico).

The objective of this session is to analyse the impacts on water infrastructure due to changing climatic conditions. Abstracts considering the operation, design and modification of water infrastructure are particularly welcomed. For more information, please contact Dr. Maria Naranjo, e-mail: maria.naranjo@imdea.org



ASIA 2012 Fourth International Conference on Water Resources and Renewable Energy Development in Asia

IWRA President, Jun Xia, on behalf of IWRA, will give a welcome address during the opening session. The Conference will take place on 26 and 27 March, in Chiang Mai, Thailand. For more information, please follow this link below: http://www.hydropower-dams.com/asia-2012.php?c_id=89

Upcoming events

HydroPredict2012

This event will be jointly co-organised in Vienna, Austria from 24 to 27 September 2012 by the Universität für Bodenkultur Wien (BOKU), University of Natural Resources and Life Sciences, the Vienna International Commission on Groundwater (ICGW) of the International Association of Hydrological Sciences (IAHS) and Charles University of Prague. IWRA is an institutional sponsor of this event and Prof. Viktor Dukhovny, Chair of the Award Committee of the IWRA Executive Board, is a member of the Scientific Advisory Committee of the event, on behalf of IWRA. You can access the event website at:

<http://web.natur.cuni.cz/hydropredict2012>

Please note that the deadline for abstract submission is 1st February 2012.



Social Media

Please join and follow IWRA on Facebook and Twitter at:



facebook:

<http://www.facebook.com/pages/International-Water-Resources-Association-IWRA/166733240066387>



twitter:

http://twitter.com/#!/iwra_water

More information about IWRA in the social media will be published soon on our website.



6th World Water Forum, Marseille 2012

The 6th World Water Forum will be held in from 12-17 March 2012 in Marseille France.

IWRA will be leading two technical sessions on:

Target 2.1.3: What water quality for which uses?

Target 2.1.7: Water accounting and measurement

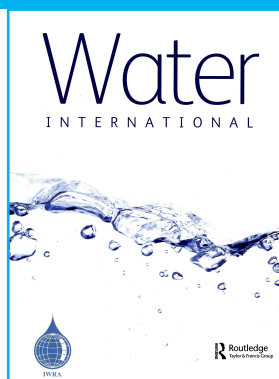
All IWRA members participating in the Forum are welcome to contact the Executive Office to get involved in these themes, and are encouraged

to come to the IWRA sessions. The programme of the Forum will be published in the coming months by the International Forum Committee.

Information is regularly updated on the official website at:

<http://www.worldwaterforum6.org/>

Publications



Vol. 36 Issue 7 Water International (November 2011) **Keeping the cutting sharp: the IWRA 40th Anniversary issue**

- Message from the
President for the 40th
anniversary issue

Jun Xia

PAGES 767-768

- Water governance: from ideals to effective strategies

Neil S. Grigg

PAGES 799-811

- Perspectives for water management within the
context of sustainable development

Peter Söderbaum & Cecilia Tortajada

PAGES 812-827

- Legalizing adaptation: water law in a changing
climate

Carl Bruch & Jessica Troell

PAGES 828-845

- Institutions and organizations: the key
to sustainable management of resources
in river basins

*Myles Fisher, Simon Cook, Tassilo Tiemann
& James E. Nickum*

PAGES 846-860

- Less water, more grain in dry Hebei Province,
China

Shaofeng Jia, Zhen Ge & Xing Fang

PAGES 861-872

- Further down the road to sustainable environ-
mental flows: funding, management activities and
governance for six western US states

Edna T. Loehman & Sasha Charney

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- Applying water soft path analysis in an
agricultural region of Canada

Sheila Forsyth & David B. Brooks

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Editorials

- Editorial

James E. Nickum

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On the occasion of IWRA's 40th anniversary

- Highlights of IWRA's first 40 years, 1971–2011

Pierre Balzergue & James E. Nickum

PAGES 773-775

- Early focus on water strategies for the
twenty-first century: IWRA as an
interdisciplinary forerunner

Malin Falkenmark

PAGES 776-781

- Celebrating the 40th anniversary of the founding
of the International Water Resources Association
(IWRA)

Sandor C. Csallany

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Articles

- Water-use efficiency and productivity:
rethinking the basin approach

*Peter H. Gleick, Juliet Christian-Smith
& Heather Cooley*

PAGES 784-798

Publications

- Water reuse: policy implications of a decade of residential reclaimed water use in Tucson, Arizona
Anne C. Campbell & Christopher A. Scott
PAGES 908-923

- Moving forward in Canada–United States transboundary water management: an analysis of historical and emerging concerns
Brittany Flaherty, Raul Pacheco-Vega & Judy Isaac-Renton
PAGES 924-936

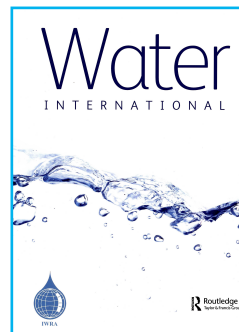
- Fate of COD and ammonia-nitrogen in a highly stressed watercourse in Northern China: the Zhangweinan Canal basin
Xiqin Wang, Yuan Zhang, Ming Zhang & Changming Liu
PAGES 937-947

Book review

- Virtual water: tackling the threat to our planet's most precious resource, by Tony Allen
London, I.B. Taurus, 2011, 384 pp, £12.99 (paper), ISBN 9781845119843
J. Jackson Ewing
PAGES 948-950

Obituary

- Glenn Stout (1920–2011)
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Water International

- Water for agriculture: challenges and opportunities in a war zone
John W. Groninger & Richard J. Lasko
PAGES 693-707

- Household bottled water consumption in Phoenix: a lifestyle choice
Abigail M. York, Allain Barnett, Amber Wutich & Beatrice I. Crona
PAGES 708-718

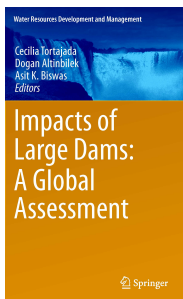
- Calibrating DRASTIC using field measurements, sensitivity analysis and statistical methods to assess groundwater vulnerability
Saman Javadi, Neda Kavehkar, Kouros Mohammadi, Ahmad Khodadadi & Rene Kahawita
PAGES 719-732

- Jakarta flooding: systems study of socio-technical forces
Emma Akmalah & Neil S. Grigg
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- Enhancing water security in Saskatchewan, Canada: an opportunity for a water soft path
Robert J. Patrick
PAGES 748-763

- Conference Report (of the IWP-IWRA Workshop during the 2011 Singapore Water Week). Governance in urban water quality and water disasters: a focus on Asia
Cecilia Tortajada & Shahnila Islam
pages 764-766

Publications



Impacts of large Dams: A global Assessment

Edited by Cecilia Tortajada,
Dogan Altinbilek and Asit K. Biswas

The Third World Centre for Water Management, Mexico, the Middle East Technical University, Turkey, and IWRA undertook a series of objective case studies on the overall impacts of large dams. Leading objective and knowledgeable specialists were selected and were requested to prepare case studies of positive and negative impacts of large dams, and their net impacts on the society. These case studies were discussed and analysed in two international workshops, the first one in Istanbul and the second one in Cairo. Thereafter, all the authors modified their analysis in the light of the discussions.

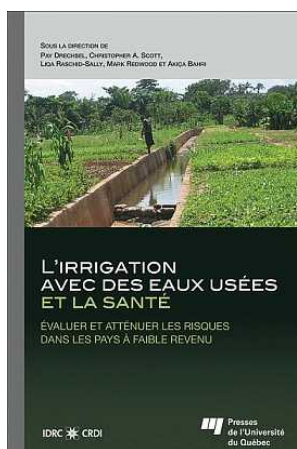
The Istanbul Workshop was especially noteworthy. Through the direct personal intervention of Professor Dogan Altinbilek, past Vice-president of IWRA, the participants had the pleasure

and privilege of listening to President Süleyman Demirel of Turkey, who is an eminent water resources expert and under whose leadership Turkey underwent a most remarkable water resources transformation. President Demirel outlined the history of water development in Turkey, and the roles large dams have played to foster the country's social and economic development.

An authoritative book with case studies of more than 17 large dams is being published by Springer in autumn 2011. The book is co-edited by eminent personalities of IWRA: Prof. Cecilia Tortajada, IWRA Past President, Prof. Dogan Altinbilek, Past IWRA Vice-president and Prof. Asit K. Biswas, IWRA Former President. We are confident that this book will contribute significantly to the advancement of knowledge in the field of water resources and large dams.

For more information and to purchase this book, please follow this link:

[http://www.springer.com/environment/
book/978-3-642-23570-2](http://www.springer.com/environment/book/978-3-642-23570-2)



Irrigation avec des eaux usées et santé

Évaluer et atténuer les
risques dans les pays à
faible revenu.

This book written by Pay Drechsel, Christopher A. Scott, Liqa Raschid-Sally, Mark Redwood and Akiça Bahri is a translation into French from

the original book: "Wastewater Irrigation and Health - Assessing and Mitigating Risk in Low-income Countries". This publication is edited by IDRC in collaboration with IWMI and published in 2011 by "Presses de l'Université du Québec".

Summary of this book: "In most developing countries wastewater treatment systems are hardly functioning or have a very low coverage, resulting in large scale water pollution and the use of very poor quality water for crop irrigation especially in the vicinity of urban centres. This can create significant risks to public health, particularly where crops are eaten raw.

Wastewater Irrigation and Health approaches this serious problem from a practical and realistic perspective, addressing the issues of health risk assessment and reduction in developing country settings. The book therefore complements other books on the topic of wastewater which focus on

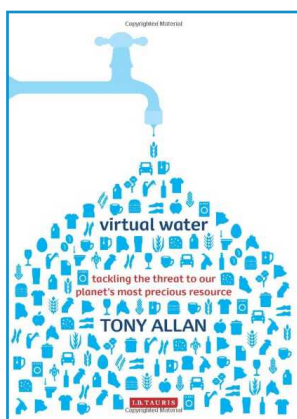
Publications

high-end treatment options and the use of treated wastewater. This book moves the debate forward by covering also the common reality of untreated wastewater, greywater and excreta use. It presents the state-of-the-art on quantitative risk assessment and low-cost options for health risk reduction, from treatment to on-farm and off-farm measures, in support of the multiple barrier approach of the 2006 guidelines for safe wastewater irrigation published by the World Health Organization. The 38 authors and co-authors are international key experts in the field of wastewater irrigation representing a mix of agronomists, engineers, social scientists and public health experts from Africa,

Asia, Europe, North America and Australia. The chapters highlight experiences across the developing world with reference to various case studies from sub-Saharan Africa, Asia, Mexico and the Middle East. The book also addresses options for resource recovery and wastewater governance, thus clearly establishes a connection between agriculture, health and sanitation, which is often the missing link in the current discussion on 'making wastewater an asset'.

More information at:

<http://www.puq.ca/catalogue/livres/irrigation-avec-des-eaux-usees-sante-13497.html>



Virtual water: tackling the threat to our planet's most precious resource

This book was written by Tony Allen, IWRA member and was published by I.B. Taurus.

A book review by J. Jackson Ewing is published on the last issue of Water

International (Volume 36 - Issue 7).



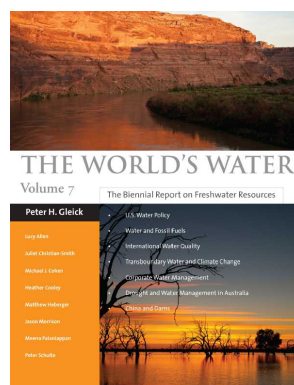
Los Foros del Agua: De Mar del Plata a Estambul 1977 – 2009

Documentos de Trabajo N° 86,
Consejo Argentinos Para Las
Relaciones Internacionales (2011).

This document in spanish by Lilian Del Castillo Laborde, former IWRA Secretary General, deals about International Water Conferences and Symposiums from the UN Conference of Mar de Plata to the 5th World Water Forum in Istanbul.

This working document is in free-access at the following link:

http://www.internationalwaterlaw.org/bibliography/articles/general/Foros_del_Agua_libro.pdf



World's Water – Volume 7: 2011-2012

Published every two years, The World's Water is edited by Peter Gleick, IWRA fellow member and recipient of the Ven Te Chow Memorial Award this year. It provides both

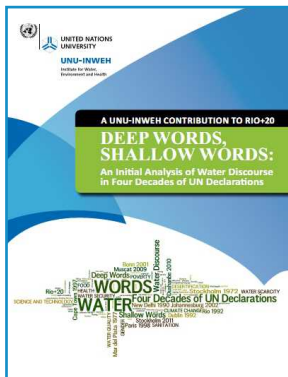
detailed analysis of the most significant trends and events and up-to-date data on water resources and their use. They are essential references for water resources specialists, resource economists, planners, students, and anyone concerned with water issues.

Peter Gleick appointed about World's Water: "Our goal in doing The World's Water series is to help improve global understanding of water challenges and the availability of solutions, as the growing evidence of climate change impacts poses new challenges for freshwater management with changes in water quantity, water quality, water-system operations, and more."

<http://www.worldwater.org/>

http://www.pacinst.org/publications/online_update/worlds_water_7.html

Publications



Deep Words, Shallow Words: An Initial Analysis of Water Discourse in Four Decades of UN Declarations

Recently released and getting some excellent and supportive feedback, the report examines the changing language of water in high-level declarations from eleven UN conferences on water and the environment over the past forty years and constitutes a contribution by the Institute to the Rio+20 process. Multiple themes are addressed and a four page 'Summary for Decision Makers' distills lessons learned.

This study pretends to facilitate the efforts of Ministers and Policy Makers to both build on and avoid unnecessary overlap with work done at previous meetings. The findings of the report should assist drafters of future UN Declarations in ensuring their outputs are effective, robust and reflect mindful and cumulative deepening of work undertaken at previous high-level meetings.

More information and a link to the report itself can be found at:

<http://www.inweh.unu.edu/River/DeepWords.htm>.

See also the EurekAlert release

http://www.eurekalert.org/pub_releases/2011-10/unu-dws103111.php



Get to know the *Water International* Manuscript evaluation process

By James E. Nickum, Editor-in-Chief, *Water International*

The acceptance of a manuscript for publication in *Water International* is based on different criteria of evaluation and follows a specific procedure.

Criteria of the evaluation

The manuscript should be technically sound, and be compatible with our editorial criteria, which are the following:

- to be based on the mission of the IWRA and,
- to be compatible with the "three inter's, one so what":

- **interdisciplinary**: i.e., intelligible and of interest to water experts in other disciplines,
- **international**: i.e., have meaning across administrative and cultural boundaries,
- **interesting**: i.e., contribute to water knowledge in a significant way,
- **"so what"** is that they should indicate specifically what their policy significance is, where policy is interpreted broadly to mean practical applicability.
- We also consider whether the manuscript has referred to relevant recent articles appearing in *Water International*, since it represents an intellectual community, and whether the article is likely to be widely cited or otherwise of major interest to our readership.

Manuscript evaluation procedure

