

WORLD ASSOCIATION OF SOIL AND WATER CONSERVATION

HOT NEWS

Issue 07, 2017



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Contents

The Second International Youth Forum on Soil and Water Conservation

(2nd IYFSWC)	1-3
Project "Global soil erosion evaluation" is established	4
Coming Meetings	5-11
Global Rainfall Erosivity	12-14
Dr. Rattan Lal received the 2017 sustained achievement award from RNRF	15-16
Global risk of deadly heat	17
The increasing rate of global mean sea-level rise during 1993–2014	18
WASWAC MEMBERSHIP APPLICATION/RENEWAL FORM	19

Editor: Dr. Pengfei Du. Contributors include Dr. Panagos Panos, Dr. Amir Kassam and Prof. Rui Li.



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WASWAC Website: <u>www.waswac.org</u>



The Second International Youth Forum on Soil and Water Conservation (2nd IYFSWC)

The Second International Youth Forum on Soil and Water Conservation (2nd IYFSWC) Moscow, Russia, 27-31, August, 2018

The second international Youth Forum on Soil and Water Conservation (2nd IYFSWC) is aimed to be held at Lomonosov Moscow state University in the summer of 2018.

The Organizers are Lomonosov Moscow State University and World Association of Soil and Water Conservation (WASWAC), Co-organizers include International Commission on Continental Erosion (ICCE) of International Association of Hydrological Sciences (IAHS), World Large Rivers Initiative and Interuniversity Council on Fluvial and Soil Erosion Research.



2nd IYFSWC will address:

- ↓ Challenges/actions of soil and water management in the changing world
- **4** Mechanism/processes and modelling of soil degradation
- **4** Innovation of technology of soil and water conservation

- **4** Ecological restoration and regional sustainable development
- ↓ How to play the roles of youth in soil and water conservation

Conference program will include:

- ♦ Plenary lectures by keynote speakers internationally recognized scientists
- ♦ Oral and poster thematic sessions
- ♦ Field excursion to the World largest hydro-technical projects water transfer from Volga River to Moscow city
- ♦ Cultural program in Moscow
- ♦ Post-conference tours to the cities of Saint-Petersburg and Kazan
- Extra-program special thematic part-time courses for young scientists . The participants of the workshops will get official certificate of Moscow State University



Outstanding Youth Paper Award:

The World Association of Soil and Water Conservation (WASWAC) will evaluated 10 papers as Outstanding Youth Paper Award from the presentations submitted by young people who is not older than 40 years by the end of 2018. Each awardee will win \$1000 (USD) prize and may get some reduction of expenses during the Forum. The awarded paper will be published in the journal International Soil and Water



Conservation Research (ISWCR), which is hosted by Elsevier.

Registration fees:

Including e-proceedings, coffee, lunch, welcome reception and hotel-venue transportation.

General participants: 250 (early bird) – 300 (regular) in Euro

Student: 150 (early bird) – 200 (regular) in Euro

Key dates of the Forum:

Registration opens	December 2017	
Abstract submission deadline	15 March 2018	
Registration & fee payment		
deadline (early bird)	01 May 2018	
Notice of abstract acceptance	15 April 2018	
The official website (<u>http://www.eng.geogr.msu.ru/IYFSWC</u>) has been constructed,		
all information is available in this v	vebsite. You are also welcome to see the	

announcement in our association's website

http://www.waswac.org/waswac/Announcements/webinfo/2017/07/14999108404 61296.htm

> Welcome to Moscow to attend The 2nd IYFSWC in August, 2018

Project "Global soil erosion evaluation" is established

Global Soil Erosion Evaluation

Global soil erosion evaluation, as a special research project, was set up by the State key laboratory of soil erosion and dryland farming on the loess plateau (China) on August 11, 2017, after discussion by invited experts.

This project was proposed by Prof. *Rui Li*, the president of WASWAC, and prepared by Prof. *Juying Jiao* and *Qinke Yang*. It was finally obtained the acknowledgement of Prof. *Baoyuan Liu*, the director of the State key laboratory of soil erosion and dryland farming on the loess plateau (China).

This project is aimed (1) to establish the global soil erosion database through collecting recent environmental data that influenced soil erosion; (2) to finish the series global soil erosion maps and to evaluate the global soil erosion risk on the basis of investigation, model, and remote sensing/GIS; (3) to analyze global soil erosion distribution and characteristics; (4) to reveal the relationships between global change and main factors to influence the spatial variation; (5) to provide support for the treatment of soil erosion.

This project will be very meaningful not only for the theory and methods on evaluating soil erosion in regional scales, but also for drawing up the strategies to control soil erosion in global scale.

4



COMMING MEETINGS

AOGS 15th Annual Meeting Asia Oceania Geosciences Society 03-08 Jun 2018 Honolulu, Hawaii

Session Proposals	
	Opens 01 Sep 2017
Submission	Closes 13 Oct 2017 (Special)
	Closes 20 Oct 2017 (Regular)
Notification - Acceptance/Rejection	27 Oct 2017
Abstracts	
Submission	Opens 10 Nov 2017
	Closes 19 Jan 2018
Notification - Acceptance/Rejection	9 Feb 2018
Author/Presenter Registration/Payment Deadline	20 Apr 2018
Delete from Program - If Not Registered/Not Paid After This Date	4 May 2018
AOGS Funding Support	
Deduced Fee Application	Opens 10 Nov 2017
Reduced Fee - Application	Closes 19 Jan 2018
AOGS Comps - Convener Decides Recipients	9 Feb 2018
Results Notification - Reduced Fee/AOGS Comps	9 Feb 2018
Registration	
If Paid After this Date, Fee Increases (Not Applicable to Authors/Presenters)	20 Apr 2018
Registration Cancellation Deadline - No refund after this date	11 May 2018
Onsite Check-in Instructions	18 May 2018
Scientific Program	
Author Notification - Presentation Schedule	21 Mar 2018
Announce Final Program/Download Abstracts Online	16 May 2018
Conference Period	03 to 08 Jun 2018

Details at: <u>http://www.asiaoceania.org/aogs2018/public.asp?page=sessionProposal.htm</u>





ICEC 2018

6th International Conference on Estuaries and Coasts - ICEC 2018

Caen (France), 20-23 August 2018



Topics :

- Saline intrusion and sea level rise: measurements, modelling and forecasting their impacts to economic development and human lives;
- ↓ Waves and Tsunami: Measurements, modelling, forecasting and warning system ;
- **4** Estuarine and coastal flows and their evolution by climate change ;
- **4** Sediment transport and morphological change in estuaries and coastal zones ;
- Megacities development and coastal floods under the threat of sea level rise and climate change : Observation, modelling, forecasting and early warning systems ;
- Environment and ecosystem change in estuaries and coastal zones in time of global change ;
- Integrated Coastal Zone Management for sustainable developments in global change context;
- ✤ Environment and Marine Renewable Energies.

Important dates:

- **4** Oct. 1, 2017 submission of abstracts
- **4** Dec. 1, 2017 notification of abstract acceptance
- 🖊 Jan. 31, 2018 submission of full papers
- **4** Mar 31, 2018 notification of paper acceptance
- 4 Apr 30, 2018 submission of camera-ready manuscripts

Registration here: <u>http://lusac.unicaen.fr/evenements/icec-2018/registration/</u>





RFG2018

Resources for Future Generations

PREMIER CONFERENCE ON ENERGY • MINERALS • WATER • THE EARTH

June 16-21, 2018 | Vancouver Convention Center | Vancouver, BC, CANADA

Activity Timeline

August 1, 2017 Call for abstracts opens

August 15, 2017 Call for Short courses and Field trips closes

September 1, 2017 Early-bird Registration opens

September 1, 2017 Housing central opens

March 1, 2018 Notification to authors of accepted abstracts

January 15, 2018 Call for abstracts closes

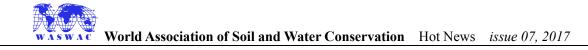
April 1, 2018 Presenters registration deadline End of early-bird registration rate

May 1, 2018 Publication of the Preliminary Program

June 16-21, 2018 RFG2018 conference We aim to provide participants with a program that will explore six vital themes: the earth, education & youth, energy, minerals, resources, and water. Grounded in fundamental earth science, the conference will serve as a forum for participants to discuss their research initiatives and activities as well as the key issues and trends in these closely inter-related areas. These topics are central to the UN 2030 Sustainable Development Goals (SDGs).



http://rfg2018.org/sitecore/content/RFG/2018/Technical-Program/Technical-Field-Trips





June 10 - 13, 2019 Golden, Colorado USA

Topics :

- ✤ Debris-flow initiation
- Mechanics of debris-flow growth
- ✤ Debris-flow mobility
- Debris-flow deposits and fan morphology
- Physical and numerical modeling of debris flows
- ↓ Debris-flow monitoring and alert systems
- Applications of new technologies
- ↓ Forensic case studies of debris flows
- Prediction and assessment of debris-flow hazards and risk
- Emergency planning and response
- Debris-flow mitigation
- 4 Role of disturbance in debris-flow initiation and mobility
- 🖊 Data integration and sharing
- ✤ Needs of local government end users

Contacts :

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Email: space@mines.edu

Details at: <u>http://dfhm7.csmspace.com/</u>





Conference Aims and Objectives

The ICSSPN 2018: 20th International Conference on Soil Science and Plant Nutrition aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Soil Science and Plant Nutrition. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Soil Science and Plant Nutrition.

Important Dates

Abstracts/Full-Text Paper Submission Deadline	Sej
Notification of Acceptance/Rejection	Sej
Final Paper Submission & Early Bird Registration	De
Conference Dates	Jai

September 15, 2017 September 30, 2017 December 12, 2017 January 25 - 26, 2018

Conference Sponsor and Exhibitor Opportunities

The Conference offers the opportunity to become a conference sponsor or xhibitor. To participate as a sponsor or exhibitor, please download and complete the Conference Sponsorship Request Form (https://www.waset.org/conference/2018/01/paris/ICSSPN/sponsorship)

Details here: https://www.waset.org/conference/2018/01/paris/ICSSPN



3RD INTERNATIONAL CONFERENCE ON AIR, WATER, AND SOIL POLLUTION AND TREATMENT (AWSPT'18)

The 3rd International Conference on Air, Water, and Soil Pollution and Treatment (AWSPT'18) aims to become the leading annual conference in fields related to air, water, and soil pollution and treatment. The goal of AWSPT'18 is to gather scholars from all over the world to present advances in the relevant fields and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

All accepted and presented papers will be published in the conference proceedings, under an ISBN reference in a USB drive. The online version of the proceedings will also be published under an ISSN reference and each paper in the proceedings will be assigned unique DOIs by CrossRef. Furthermore, selected papers from the conference will be submitted for possible publication in the following journals from Avestia Publishing (publication fees may apply):

International Journal of Environmental Pollution and Remediation Journal of Civil, Structural and Transportation Engineering AWSPT is an acronym for Air, Water, and Soil Pollution and Treatment

Important Dates

Paper Submission Deadline	October 12, 2017
Notification to authors	November 2, 2017
Early bird registration	November 16, 2017
Conference	April 8, 2018

Details at: <u>http://awspt.com/</u>



IECA 2018 Annual Conference & Expo Long Beach, California February 11 - 14, 2018

Mark your calendars to attend the 2018 IECA Annual Conference and Expo February 11-14 in Long Beach, California to join the industry's largest erosion and sediment control event. Join thought leaders from around the world to network and learn from each other and explore the Expo Hall to see the latest products, services and technology to help you perform your job better!

Online Registration and Schedule News

The conference schedule and online registration will go live in September 5. Registration pricing is as follows:

	Before 1/15/18	After 1/15/18	Onsite
Full Day Course	\$299 member \$349 nonmember	\$349 member \$399 nonmember	\$419 member \$469 nonmember
Half Day Course	\$150 member \$175 nonmember	\$175 member \$200 nonmember	\$210 member \$235 nonmember

Conference

	Before1/15/18	8 After 1/15/18	8 Onsite
Full	\$699 member	\$799 member	\$899 member
Conference	e \$899	\$999	\$1,099
Pass	nonmember	nonmember	nonmember
One Day	\$350	\$400	
Conference	member	member	\$450 member
Pass	\$450	\$500	\$550 nonmember
russ	nonmember	nonmember	
Expo Hall Only Pass	\$75 member	\$80 member	\$90 member
	\$90	\$95	\$105 nonmember
	nonmember	nonmember	

Exhibitor Information

IECA's 2018 Annual Conference is the largest gathering of erosion and sediment control professionals from around the world. Join us to make contacts and build relationships to show your products and services to the engineers who specify their use, the contractors who buy and use products and services, and the regulators who monitor the sites - all at one show!

We have many opportunities to showcase your company at our IECA's 2018 Annual Conference:

- Exhibit Hall booth space enables you to engage with the best in the erosion and sediment industry to share insights on your products and services.
- Opportunities to meet and engage with the industry leaders and decision makers.
- Various creative event sponsor opportunities to truly message the Conference attendees with even greater exposure.

Please find additional information on exhibiting, please contact IECA at 303-640-7554.

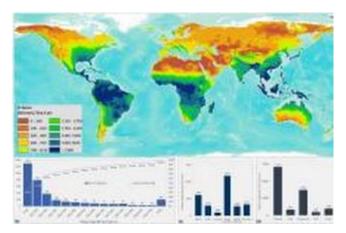
http://www.ieca.org/IECA/Events/Annual%20Conference/2018 Annual Conference/IECA/IECA%20Event

s/2018 Annual Conference.aspx?hkey=d3a621e6-90a8-4865-90e7-352a01e68fe1



Global Rainfall Erosivity

Rainfall erosivity dataset (2017) is one of the input layers when calculating the Revised Universal Soil Loss Equation (RUSLE) model, which is the most frequently used model for soil erosion risk estimation; for the whole World; R-factor map at resolutions of 30 arc-sec ((~1 km at the Equator).



Metadata

Title: Rainfall Erosivity in the World

Description: This map provides a complete rainfall erosivity dataset for the whole World based on 3625 precipitation stations and around 60,000 years of rainfall records at high temporal resolution (1 to 60 minutes). Gaussian Process Regression(GPR) model was used to interpolate the rainfall erosivity values of single stations and to generate the R-factor map.

Spatial coverage: World

Pixel size: 30 arc-seconds (~1 km at the Equator).

Measurement Unit: MJ mm ha⁻¹ h⁻¹ yr⁻¹

Projection: ETRS89 Lambert Azimuthal Equal Area

Temporal coverage: 30-40 years - Predominant in the last decade: 2000 – 2010

R-factor in the World

The purpose of this study is to assess rainfall erosivity in the World in the form of the RUSLE R-factor, based on the best available datasets in the Globe. We used the **Glo**bal **R**ainfall Erosivity **Da**tabase (GloREDa) which contains 3,625 precipitation



stations from 63 counties in the Globe with temporal resolutions of 1 to 60 minutes. The R-factor values calculated from precipitation data of different temporal resolutions were normalised to R-factor values with temporal resolutions of 30 minutes using linear regression functions. Precipitation time series ranged from a minimum of 5 years to maximum of 52 years. The average time series per precipitation station is around 16.8 years, the most datasets including the first decade of the 21st century. Gaussian Process Regression(GPR) has been used to interpolate the R-factor station values to a European rainfall erosivity map at 30 arc-seconds (~1 km at the Equator).

Globally, the mean rainfall erosivity is estimated to be 2,190 MJ mm ha⁻¹ h⁻¹ yr⁻¹ and broadly reflects climatic patterns, with the highest values, (which are 3 three times higher greater than the mean) are found in South America (especially around the Amazon Basin) and the Caribbean countries, Central and parts of east Western Africa and South East Asia. The lowest values are mainly found in mid and high latitude regions such as Canada, the Russian Federation, Northern Europe, Northern Africa, the and Middle East and southern Australia. It should be noted that high rainfall erosivity does not necessarily mean high erosion as factors such as soil characteristics, vegetative cover and land use are also important factors. The new global erosivity map is a critical input to global and continental assessments of soil erosion by water, flood risk and natural hazard prevention. Current global estimates of soil erosion by water are very uncertain, ranging over one order of magnitude (from around 20 to over 200 Pg per year). More accurate global predictions of rill and inter rill soil erosion rates can only be achieved when the rainfall erosivity factor is thoroughly computed.

The global erosivity map is publicly available and can be used by other research groups to perform national, continental and global soil erosion modelling.

GloREDa: Global Rainfall Erosivity Database

At global scale, this is the first time ever that an erosivity database of such dimension is compiled. The Global Rainfall Erosivity Database, named hereafter as **GloREDa**, contains erosivity values estimated as R-factors (refer to the method section) from **3,625 stations distributed in 63 countries worldwide**. This is the result of an extensive data collection of high temporal resolution rainfall data from the maximum possible number of countries

World Associ

World Association of Soil and Water Conservation Hot News issue 07, 2017

in order to have a representative sample across different climatic and geographic gradients. GloREDa has three components, which are described in the relevant publication:

- The Rainfall Erosivity database at European Scale (REDES)
- 1,865 stations from 23 countries outside Europe (Australia, New Zealand, South Korea, Japan, China, India, Malaysia, Iran, Kuwait, Israel, Turkey, Russian Federation, United States of America, Mexico, Costa Rica, Jamaica, Colombia, Suriname, Chile, Brazil, Algeria, South Africa, Mauritius).
- 85 stations collected from a literature review (12 countries)

The number of GloREDa stations varied greatly among continents. Europe had the largest contribution to the dataset, with 1,725 stations (48% of total), while South America had the lowest number of stations (141 stations or ~4% of total). Africa has very low density of GloREDa stations (5% of the total). In North America and the Caribbean, we collected erosivity values from 146 stations located in 6 countries (Unites States, Canada, Mexico, Cuba, Jamaica and Costa Rica). Finally, Asia and the Middle East were well represented in GloREDa, with 1,220 stations (34% of the total) distributed in 10 countries including the Siberian part of the Russian Federation, China, India, Japan.

Data

To get access to the all datasets and the code, please compile the request form ; instructions will then follow how to download the datasets. More information about <u>Global Rainfall</u> <u>erosivity</u> in the corresponding section.

References

A complete description of the methodology and the application in World is described in the paper: Panagos P., Borrelli P., Meusburger K., Yu B., Klik A., Lim K.J., Yang J.E, Ni J., Miao C., Chattopadhyay N., Sadeghi S.H., Hazbavi Z., Zabihi M., Larionov G.A., Krasnov S.F., Garobets A., Levi Y., Erpul G., Birkel C., Hoyos N., Naipal V., Oliveira P.T.S., Bonilla C.A., Meddi M., Nel W., Dashti H., Boni M., Diodato N., Van Oost K., Nearing M.A., Ballabio C., 2017. <u>Global rainfall erosivity assessment based on high-temporal resolution rainfall records</u>. *Scientific Reports 7: 4175*. DOI: 10.1038/s41598-017-04282-8.

Dr. Rattan Lal received the 2017 sustained achievement award from RNRF



Dr. Rattan Lal, the member of WASWAC advisory committee, is the recipient of RNRF's received 2017 Sustained Achievement Award. The award recognizes a long-term contribution and commitment to the protection and conservation of natural resources by an individual.

During his 50-year career Dr. Lal studied sustainable intensification and climateresilience of agroecosystems, working to advance global food and nutritional security through soil health management, carbon sequestration, and erosion control. Dr. Lal has advanced soil resources science through his extensive accomplishments as a researcher and mentor. He has written 818 journal articles, 485 book chapters, 16 books, and has given 425 keynote presentations on the sustainable management of world soils. In addition to teaching two classes at Ohio State University, he has mentored 106 graduate students, 55 post-doctoral researchers, and 156 visiting scholars from around the world.

Dr. Lal has promoted the application of sound scientific practices to soil research and policy over the years by serving as lead author of the Special Report of IPCC on Land Use, Land Use Change and Forestry (2000), as science advisor to the Institute for Advanced Sustainability Studies, Potsdam, to initiate the Global Soil Week



(2010-2015), and as Chair of Advisory Board of the UNU-FLORES, in Dresden, Germany. He has worked with the U.S. Senate to approve Soil Resolution 208 (2008) and has witnessed 6 congressional hearings (2000s) regarding soil resources and carbon sequestration. Furthermore, Dr. Lal has worked with several heads of state, including the President of Bangladesh (2007-2008), the President of Iceland (2006-2010), Vice President Al Gore (2010-2015), the former Secretary of the Environment of Germany (2010-2015) and the French Minister of Agriculture (2015) to help translate soil science to actionable policies.

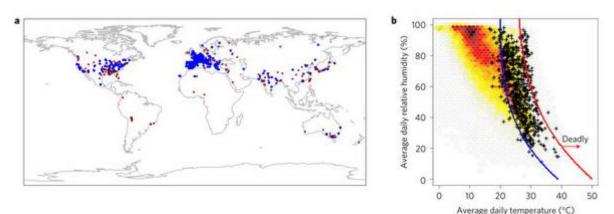
Dr. Lal is currently a Distinguished University Professor of Soil Science at Ohio State University and serves as the President of the International Union of Soil Sciences, representing 60,000 scientists.

Dr. Lal holds a B.Sc. in Agriculture from Punjab Agricultural University, a M.Sc. in Soil Science from the Indian Agricultural Research Institute, and a Ph.D. in Soil Science from Ohio State University.

The award will be presented on November 15, 2017 at the annual meeting of the RNRF Board of Directors in Potomac, Maryland.

Congratulations!

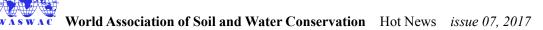
Know more about Dr Rattan Lal here: https://senr.osu.edu/our-people/rattan-lal



Global risk of deadly heat

Climate change can increase the risk of conditions that exceed human thermoregulatory capacity. Although numerous studies report increased mortality associated with extreme heat events, quantifying the global risk of heat-related mortality remains challenging due to a lack of comparable data on heat-related deaths. Here we conducted a global analysis of documented lethal heat events to identify the climatic conditions associated with human death and then quantified the current and projected occurrence of such deadly climatic conditions worldwide. We reviewed papers published between 1980 and 2014, and found 783 cases of excess human mortality associated with heat from 164 cities in 36 countries. Based on the climatic conditions of those lethal heat events, we identified a global threshold beyond which daily mean surface air temperature and relative humidity become deadly. Around 30% of the world's population is currently exposed to climatic conditions exceeding this deadly threshold for at least 20 days a year. By 2100, this percentage is projected to increase to ~48% under a scenario with drastic reductions of greenhouse gas emissions and ~74% under a scenario of growing emissions. An increasing threat to human life from excess heat now seems almost inevitable, but will be greatly aggravated if greenhouse gases are not considerably reduced.

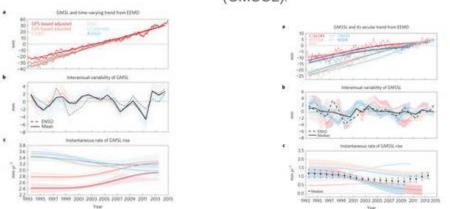
Details at: http://www.nature.com/nclimate/journal/v7/n7/full/nclimate3322.html



The increasing rate of global mean sea-level rise during 1993–2014

Global mean sea level (GMSL) has been rising at a faster rate during the satellite altimetry period (1993-2014) than previous decades, and is expected to accelerate further over the coming century. However, the accelerations observed over century and longer periods have not been clearly detected in altimeter data spanning the past two decades. Here we show that the rise, from the sum of all observed contributions to GMSL, increases from 2.2 \pm 0.3 mm yr⁻¹ in 1993 to 3.3 \pm 0.3 mm yr⁻¹ in 2014. This is in approximate agreement with observed increase in GMSL rise, 2.4 \pm 0.2 mm yr⁻¹ (1993) to 2.9 \pm 0.3 mm yr⁻¹ (2014), from satellite observations that have been adjusted for small systematic drift, particularly affecting the first decade of satellite observations6. The mass contributions to GMSL increase from about 50% in 1993 to 70% in 2014 with the largest, and statistically significant, increase coming from the contribution from the Greenland ice sheet, which is less than 5% of the GMSL rate during 1993 but more than 25% during 2014. The suggested acceleration and improved closure of the sea-level budget highlights the importance and urgency of mitigating climate change and formulating coastal adaption plans to mitigate the impacts of ongoing sea-level rise.

Figure 1: Global mean sea level (GMSL). Figure 2: Global mean steric sea level (GMSSL).



Details at: https://www.nature.com/nclimate/journal/v7/n7/pdf/nclimate3325.pdf



WASWAC MEMBERSHIP APPLICATION/RENEWAL FORM (Issued 120501)

(For applicants from all countries)

Name: (Ms./Mrs./Mr./Prof./Dr.)			Gender: $\Box F \Box M$
Institution:			
Postal address:			
State/Province:			
Phone:	Fax:		
Emails (Please give at least 2 addresses to ensure uninterrupted contact): (1)			
(2)	(3)		
My specialized field(s):			
Please sign me up for the WASWAC me	embership in category*: $\Box 1$	IM)□2(LI	M)□3(OM)□4(SM&GM)
Membership for the year(s)	@US\$	=	US\$
Donation for developing country	membership, etc.		US\$
Donation to the Moldenhauer Fu	nd		US\$
		Total	US\$

*Membership categories & rates from July 18, 2005, amended March 3, 2007 and March 4, 2010.

1. IM (Individual membership): US\$20 for 5 years for developing countries (In China, members pay 130 yuan RMB); US\$40 for 5 years for developed countries and persons working in international organizations worldwide.

2. LM (Life membership): US\$80 for developing countries (In China, members pay 520 yuan RMB); US\$160 for developed countries and persons working in international organizations worldwide. Persons who have passed their 60th birthday pay only half of these LM rates.

3. OM (Organization membership): For universities, research and implemental institutions, government agencies, NGOs, societies, associations and international organizations, etc. Persons belonging to an Organization member will receive the same online products and services as the other two above categories: \$100/year for an organization with up to 150 persons; \$150/year for an organization with up to 300 persons: \$200/year for an organization with up to 500 persons; and \$10/year for an additional 100 persons or part thereof.

4. SM&GM (Student membership & Gift membership): US\$5/year worldwide, to be purchased to give to colleagues, friends, students, etc.

For sending money by foreign wires through a bank, please give the following information to your bank:

Name of Receiver (A/C Holder's Name): World Association of Soil and Water Conservation

does not apply for **WESTERN UNION** or any payment of US\$50 or more.

Bank Name and Address: China Construction Bank, Shoutinanlu Branch, Beijing, China, No. 9 Shoutinanlu Street, Haidian District, Beijing, P R China

A/C NO.: 1100 1042 7000 5301 6996

Message to write on the Bank Sheet: WASWAC Membership due for Ms./Mrs./Mr./Prof./Dr., Country NOTE: 1. Do not deduct the bank fee from the amount of money to send. 2. For sending money by wire/bank transfer or check please add US\$7 per transaction to compensate for the charge at the receiving bank in Beijing. This additional charge