



WORLD ASSOCIATION OF SOIL AND WATER CONSERVATION

HOT NEWS

Issue 02, 2017



WASWAC HOT NEWS No. 02, February, 2017

Contents

Sino-Nigerian Seminar on Reservoir Sedimentation Technology held	1
China Moves To Implement More Sustainable Ag Practices, Which is Good For Everybody	2-3
Book on Gender issues and climate change adaptation in China launched	4-5
New Publication: Making sense of research for sustainable land management	6
Coming meetings	7-10
Vacancies	11-15
Call for nominations for the Dan Yaalon Young Scientist Medal 2017	15
SCI Horticulture David Miller Travel Bursary Award	16
The BSSS Grants and Awards Committee	17-18
WASWAC MEMBERSHIP APPLICATION/RENEWAL FORM	19

Editors: Dr. Du Pengfei, Contributors include Prof. Camelo Dazzi, Prof. Ildefonso Pla Sentis, Dr. Amir Kassam, Dr Shiva Hari Khatri, Dr Rima Mekdaschi Studer, and Prof. Li Rui.



IRTCES Building

(Where the Secretariat of WASWAC is located)

The Secretariat of WASWAC

No. 20 Chegongzhuang Road West, Beijing 100048, P. R. China

Tel: +86-10-68786579

Fax: +86-10-68411174

Email: waswac@vip.163.com

For ISWCR paper submission:

<http://www.journals.elsevier.com/international-soil-and-water-conservation-research/>

WASWAC Website: www.waswac.org

Sino- Nigerian Seminar on Reservoir Sedimentation

Technology held in IRTCES

In order to deepen cooperation between the RC-IRBM and IRTCES, the both UNESCO Category II centers, by invitation released from IRTCES, the representatives from RC-IRBM had a visit on February 6, 2017. A special seminar on Reservoir Sedimentation Technology then has been shortly held successfully.



The attended reporters for the seminar includes Prof. Alayande Adegoke Waheed, Prof. Eduvie Obada Martin, Prof. Adamu Caleb Ibrahim, and Prof. Salami Ibraheem Adedotun from Nigeria, and experts from China including Prof. Duihu Ning, the Deputy Director of IRTCES, Prof. Yangui Wang, the Division Chief, Prof. Cheng Liu, the Deputy Division Chief, Prof. Xiaoying Liu, the Deputy Division Chief, and Prof. Qingchao Guo, the Deputy Director of Department of Sediment Research of IWHR. Prof. Guangquan Liu, the Deputy Director of IRTCES, was in charge of the Seminar. Other related researchers of IRTCES also attended this meeting. The thorough discussion and communication on reservoir sedimentation technologies were made and intentions and contents for future cooperation between the two sides were discussed as well.

China Moves To Implement More Sustainable Ag Practices, Which is Good For Everybody

By Andrew Amelinckx

On Sunday (February 5, 2017), the Central Government released its Number One Central Document, the first policy statement of the year, and as in the previous 13 years, it focused on agriculture and rural development. While previous Number One Documents have included mentions of sustainability measures, this year's had a particularly strong focus on developing "green" policies.



A farmer in his grain field in Yunnan, China.

*Photo by CEphoto,
Uwe Aranas*

“Green production and sustainable farming practices, under the overall framework of supply-side reform, was one of the highlights of this year's document. ‘Green’ actually becomes one of the most frequently used words in the document,” Vincent

Martin, the representative for China from the Food and Agricultural Organization (FAO) of the United Nations tells Modern Farmer. “The gist of supply-side reform in China’s agricultural sector is to increase the output of high-quality products based on green and innovative production.”

China is now the fourth largest consumer of organically-produced food in the world, so expanding domestic organic production makes sense. The Central Government plans to push organic products in part by promoting favorable taxes for start-ups in rural areas, and by creating innovation centers to help support the production of high quality farm produce, according to Reuters.

The Central Government also plans to focus on promoting water conservation through the use of drip irrigation, among other efforts, and by developing drought-resistant crops, along with mitigating methane emissions from rice production and controlling farm waste through the creation of large-scale biogas digesters.

Additionally, the government is continuing to build on existing sustainability programs, such as its action plan for zero growth of fertilizer and pesticide use by 2020, which dates back to 2015’s Number One Central Document, and is focused on promoting organic fertilizers, mechanized spraying, and low-residue pesticides.

Martin says the FAO is working with the Central Government to help its farming sector improve agricultural resilience in the face of climate change, especially for poor farmers in high risk areas.

“Reducing pollution, lowering carbon emissions, and conserving water is key to maintain and sustain food and nutrition security of the Chinese people, especially in the context of increasing population, rapid urbanization and rather limited natural resource per-capita,” says Martin. “Meanwhile, this will definitely be for the international common good when it comes to global agricultural trade and global carbon governance in particular.

Copy from:

<http://modernfarmer.com/2017/02/china-moves-implement-sustainable-ag-practices-good-everybody/>

Book on Gender issues and climate change adaptation in China launched

Last month, ICIMOD and the Yunnan Academy of Social Sciences (YASS) hosted a book launch for a co-produced volume entitled, *Gender Analysis of Climate Change Impacts and Adaptation in China with Focus on Yunnan*. More than 30 representatives from provincial government offices, universities, and institutions were on hand to receive long-awaited text.



Gender Analysis, written in Chinese, synthesizes major results from six years of research in China, carried out by ICIMOD and its partners in the Himalayan Climate Change Adaptation Programme (HICAP).

Under HICAP, a substantial part of the research in China focuses on gender issues in climate change adaptation, a topic on which there has previously been little research in the Chinese context. The book presents a comprehensive framework for analyzing climate change impacts and policies from a gender perspective in the context of a record-breaking and persistent meteorological drought with widespread impacts on millions of people, livestock, and crops in Yunnan. A rich range of case

studies highlight the actual and potential effects of climate change, particularly water stress on women's vulnerabilities.



This book analyses the impacts of climate change on rural livelihoods through a gender lens. The conceptual framework for the book focuses on four elements of the linkage between gender and climate change in the context of rural livelihoods: gender impact of climate-induced resource shortage like water, and ecosystem services; gender impact of climate-induced migration; gender dimension of natural disasters and gender, poverty and climate change. The research is based on case studies in Yunnan looking at gendered vulnerability and adaptation to climate change and providing evidence and knowledge related to gender and climate change for policy makers. Three relevant analytical frameworks have been applied including Caroline Moser's gender role analysis framework, the framework for gender-aware vulnerability analysis and gender specific adaptation approach. Gender vulnerability in accessing livelihood related resources such as land, water, credit, agricultural technology, extension and training services have been examined, particular women's vulnerability. The different adaptation needs and skills of women and men have been discussed with a special focus on women.

Each chapter has a title and abstract in English for non-Chinese readers. Each chapter follows a consistent structure, namely context introduction, research methodology, research findings and policy recommendation.

Details at: <http://www.icimod.org/>

New Publication: Making sense of research for sustainable land management

The new book ‘Making sense of research for sustainable land management’ published by CDE/WOCAT and UFZ is based on the work of more than 600 scientists and synthesizes experiences and practice-relevant results from a 7year German funded international research programme on interactions between land management, climate change, and ecosystems and their services. It includes 30 technologies and approaches documented using WOCAT standardized tools. It was launched on 5 December 2016 at the CBD COP13 in Cancun, Mexico.



The book provides evidence of how practices of sustainable land management – existing as well as new – can be adapted to specific local and regional contexts. It shows how research can support decision makers and advisors from a variety of sectors - at national, regional, and local levels - in comprehending the complexity of sustainable land management. It assists them in identifying and developing suitable solutions for prevention or restoration of land degradation, improvement of yields, increasing resilience in production systems, and making water management more efficient. A special focus targets measures for climate change adaptation and mitigation.

Download here: https://www.wocat.net/fileadmin/user_upload/WOCAT_Glues.pdf

COMING MEETINGS

EGU 2017



International Union of Soil Sciences



SESSION during the EGU 2017 General Assembly, April 23-28 2017, Vienna, Austria

SSS1 – History, Education and Society of Soil Science, Taxonomy

Division SSS – Soil System Sciences.

Contributions that show new educational approaches, cooperation with other disciplines and efforts to improve sustainability are of interest.



SSS1.8

The contribution of the Soil Science Societies to scientific knowledge, education and sustainability

See here: <http://meetingorganizer.copernicus.org/EGU2017/session/23790>

1st World Conference on Soil and Water Conservation under Global Change (CONSOWA)



The extended abstract should be submitted before the 31/03/2017.

(Instructions details in www.consowalleida2017.com)



6th International Symposium on Soil Organic Matter

Major topics:

session 1: Global perspectives (invited speakers only)

session 2: Modelling soM: from soil pore to climate change

session 3: Methods 1: Visualising soM

session 4: Methods 2: Quantifying pools and fluxes of SOM

session 5: Soil Health 1: biological interactions

session 6: Soil Health 2: the role of decomposition

session 7: SOM as natural capital

Please submit your abstracts according to the following topics online via

www.som2017.org

Deadline for abstract submission is 15 April 2017.



Soil Classification: a powerful tool for planning Soil Conservation**July 21, 2017 Riga, Latvia****Deadlines: Registration June 1th, 2017; Abstract submission June 1th, 2017**

Depending on the number and quality of the communications, the International Scientific Committee will evaluate the possibility to publish selected papers on a suitable indexed International Journal

Abstract preparation:

The text should be typed in Microsoft WORD. Keep the text layout as simple as possible. Abstract are to be submitted in electronic format only.

Following items are required for abstract preparation:

1. Abstract should not exceed 500 words.
2. Abstract must be written in English. SI - units should be used (kg, m, s).
3. Title centered in 14 - point font (capitals, bold) with two line space above.
4. Name(s) of author(s) centered in 12 point font with one line space above but no space below. Authors name is written in an order: given name, middle name, and surname (surname capitalized).
5. Full affiliation (s) and address (es) for correspondence centered in 10- point font. Address(es) can include email address of each author but do not include each author's title and phone number.
6. Text of abstract in 11 - point font with two line space above.
7. Keywords in 10-point font with one line space above and one line space below.
8. Page format: A4, single column, margins 25 mm for left, right, top and bottom.
9. Text font: Times New Roman

Organizer's contact:

Raimonds Kasparinskis (e-mail: raimonds.kasparinskis@lu.lv)

Homepage: <http://www.azb.lu.lv/eng/>



**LATVIJAS
UNIVERSITĀTE**
UNIVERSITY OF LATVIA
ANNO 1919

Latvijas Augsnes zinātnes biedrība Soil Science Society of Latvia

INTERNATIONAL CONFERENCE Soil Classification: a powerful tool for planning Soil Conservation

Application form

Title	
Name	
Surname	
Organization	
Email	
Phone	
I am interesting in:	
Presenting a paper entitled:	
Presenting a poster entitled:	
Dietary requirements:	

NOTE:

Application form must be sent to : soilconference_Riga2017@lu.lv



VACANCIES

1. A multi-sensor approach for retrieving soil moisture over irrigated areas



Activity

The H2020-funded REC project (<http://rec.isardsat.com/>) proposes a remote sensing-based solution to the need of root-zone soil moisture at the crop scale for irrigation management. The methodology relies on the coupling between a surface model representing the water fluxes at the land surface-atmosphere interface and remote sensing data composed of land surface temperature (MODIS, Landsat), surface reflectances (MODIS, Landsat, Sentinel-2) and near-surface soil moisture (SMOS, Sentinel-1).

The candidate will participate to the REC activities by developing an algorithm to produce near-surface (0-5 cm) soil moisture maps at 100 m resolution over two irrigated areas in Spain and Morocco. In particular, she/he will:

- ✚ Take ownership of the C4DIS processor developed as part of the French ground segment for the SMOS Level 3 and 4 data (<http://www.catds.fr>) to provide 1 km resolution soil moisture data globally. C4DIS combines 40 km resolution SMOS soil moisture and 1 km resolution MODIS-derived evaporation rate within a downscaling relationship.
- ✚ Adapt C4DIS to integrate data at higher spatial resolution. In practice, the 1 km resolution CATDS soil moisture data will be disaggregated at 100 m resolution using Landsat-derived evaporation rate.
- ✚ Produce and evaluate the soil moisture maps at 100 m resolution over two study areas.

Qualifications

- + PhD/Engineering degree in informatics, remote sensing, environmental sciences, physics, ecohydrology or similar.
- + Good programming skills (codes will be developed in Python)
- + Experience in remote sensing and/or land surface modelling is an asset
- + Good written and spoken communication skills in English
- + Willingness to spend extended research visits at international partner institutes

What we offer

The position is limited to 1.5 year; expected beginning on September 1st 2017. The salary is based on the French regulations for university staff. The monthly salary for 35 hours per week will be within the range 1930 € to 2408 € based on qualifications and experience. The candidate will be based at CESBIO (Toulouse) and will have secondment opportunities to the partner organizations of REC (France and Morocco). A top-up allowance of 2000 € per month will be paid to the candidate during the mobility periods.

How to apply

Send your application with all information (cover letter, motivation letter, CV) included in one single PDF file and the name and contact details of two referees (who can comment on the applicant's skills) to Olivier Merlin at olivier.merlin@cesbio.cnes.fr. **The deadline for application is 31 May 2017.**

Details at: <http://www.earthworks-jobs.com/rsgis/cesbio17031.html>

2. Lecturer / Senior Lecturer / Reader in Physical Geography



College of Science - School of Geography

Lecturer Salary £32,004+

Senior Lecturer Salary £37,075+

Reader Salary £48,327+

The University of Lincoln has recently established a new School of Geography within

the College of Science, with the first cohort of Undergraduate students joining us in September 2017. The new School is establishing interdisciplinary programmes in Physical and Human Geography, complementary to, and extending the University's existing portfolio. This will enhance the University's existing research which has distinctive "local to global" character.

The University has also recently established the Lincoln Institute for Agri-food Technology and the Lincoln Institute for Health, and we are keen to ensure that at least part of the new School's activity supports a research theme concerning the sustainable intensification of global food supply and associated environmental health issues. The School will be involved in joint delivery of interdisciplinary teaching and research programmes, and will form part of the broader development of complementary programmes and research activity, which is attracting external funding.

The School of Geography will focus on the 'Inhabited Earth' with particular emphasis on the safety and health aspects of global environments. With the world's population divided between urban centres and rural populations, we will also include social issues that affect both, such as crime and deprivation, as well as pollution and natural hazards notably floods and droughts.

There are close links with the new interdisciplinary Lincoln Centre for Water and Planetary Health as it is our intention that our students become technically and conceptually equipped by linking their learning to this research environment. Their lives and capabilities will be enhanced by close relationships with academics who are confronting 21st century practical environmental challenges.

The foundational Head of School is Professor Mark Macklin whose expertise lies in river systems, global environmental change and in catchment hazard and pollution issues.

Should you have any queries regarding this vacancy, please contact Professor Macklin via email at mmacklin@lincoln.ac.uk, with a copy to his Personal Assistant, Fiona Burstow, at fburstow@lincoln.ac.uk.

For further information or to apply online please click the Apply Now button below
If you have any queries please email jobs@lincoln.ac.uk or telephone 01522 886 775.
Please quote the job reference number and title in all correspondence.

Closing date: 2nd April 2017

Job Reference: COS396

As an institutional Athena SWAN Bronze Award holder we are committed to advancing gender equality in STEM, therefore female applicants are strongly encouraged to apply.

Details at: <http://www.earthworks-jobs.com/geography/lincoln17031.html>

3. Call for nominations of IUSS Division and Commission Officers 2018-2022

The election process for the 4 Division chairs and 44 Commission chairs and vice chairs is ongoing. The First and Second Vice-Chairperson of each Division shall be appointed by and from the host country where the next World Congress of Soil Science will take place.

This is your chance to become actively involved in the IUSS and shape its future in the years 2018 to 2022. We are now seeking nominations for all positions, and a description of the Divisions is given here:

http://www.iuss.org/index.php?article_id=40.

The description of the specific duties and functions of Divisions and Commission officers is given here:

http://iuss.boku.ac.at/files/duties_and_functions_of_division_and_commission_chairs_and_vice_chairs.pdf

IUSS Full Members (national soil science societies who paid the membership fees) are encouraged to propose candidates to the Divisional Nominating Committees.

Nominees cannot be nominated for more than one position.

The application should include the position, a 100 words biography and homepage URL, if available. It should be sent by IUSS Full Members to:

Positions in Division 1: Prof. Erika Micheli at micheli.erika@mkk.szie.hu

Positions in Division 2: Prof. Kazuyuki Inubushi at inubushi@faculty.chiba-u.jp

Positions in Division 3: Prof. Bal Ram Singh at balram.singh@nmbu.no

Positions in Division 4: Prof. Christian Feller at christian.feller@ird.fr

The timeline is as follows:

31 March 2017 – call for nominations ends

2 May 2017 – list of candidates and their biographies available

1 September 2017 – voting system will open

31 December 2017 – voting system will close

12 February 2018 – announcement of new IUSS officers

We look forward to receiving your application and candidacy.

Details at: http://www.iuss.org/index.php?article_id=26&goback=619

Call for nominations for the Dan Yaalon Young Scientist Medal 2017

This medal will be awarded by IUSS Division 1 Soils in Space and Time and Commission 4.5 History, philosophy and sociology of soil science.

The nominees may be proposed by institutions, societies, commissions and working groups of the IUSS, and by individuals. Self-nomination is not encouraged.

The proposal for nomination should include a short justification, including the main steps of the scientific career of the nominee, his/her main scientific publications and the major contribution to the development of one or more of the following fields: Soil morphology and micromorphology, soil geography, soil genesis, soil classification, pedometrics, palaeopedology, history of soil science, philosophy of soil science, sociology of soil science.

The deadline for nominations ends on Dec. 1, 2017.

The decision will be made at least on Feb. 1, 2018.

Please send applications to the chair of the nomination committee, Prof. Karl Stahr, kstahr@uni-hohenheim.de

For further details, please click here:

http://iuss.boku.ac.at/files/yaalon_medal_proposal_call_for_nominations_web.pdf

SCI Horticulture David Miller Travel Bursary Award



The David Miller Travel Bursary Award aims to give two young plant scientists or horticulturists the opportunity of overseas travel in connection with their horticultural careers. The Award was set up in honour of David Miller MBE.

Applicants should be in the second or final year of a higher education qualification (BSc, HND, Kew Diploma etc) or studying for an MSc or PhD. Applicants must be students registered for courses in the UK or the Republic of Ireland.

Applications can relate to any area of horticulture or plant science relevant to horticulture.

Applications consist of a maximum 500-word statement on the purpose to which the award will be put. (The award is intended to supplement, rather than wholly finance, a journey).

The deadline is 17 April 2017. Award winners will be notified in May 2017.

The deadline for travel is May – December 2017.

Please contact awards@soci.org if you have any queries.

Within six weeks of the completion of their Travel Plan, recipients must submit a report describing the work carried out with the aid of the award. The recipients will then each receive a receive a £500 travel grant, a year's Student Membership of SCI, and a year's Eden Project Membership. Award winners will be asked to attend the Horticulture Group AGM in September if they have completed their travel plan.

Details at: <https://www.surveymonkey.co.uk/r/SCIDavidMillerAward>

The BSSS Grants and Awards Committee



**BRITISH
SOCIETY
OF SOIL
SCIENCE**

British Society of Soil Science

Cranfield University, Building 53, Cranfield, Bedfordshire MK43 0AL

T: +44 (0)1234 752 983

E: admin@soils.org.uk

F: +44 (0)1234 752 970

W: www.soils.org.uk

The BSSS Grants & Awards committee work to support and encourage excellence in soil science.

We currently offer three main types of grant, these are Innovation, Field Equipment and Student Conference.

We also offer the David Jenkinson Fellowship, a single award made once a year. Further details and online application forms are available below.

From time to time the grants committee will consider requests for funding and sponsorship of meetings and conferences.

Requests for such funding can be made via e-mail to the Society office.

Field Equipment grant

This grant is designed to enable institutions to buy field equipment to aid in the instruction and understanding of soil science.

Suitable for: Primary, Secondary, Tertiary

Value: Up to £1,000

Application deadlines: 1st April and 1st September

Further Details at:

http://www.soils.org.uk/sites/default/files/documents/Grants/FieldEquip_rules.pdf

Application form at: <http://www.soils.org.uk/node/309>

Innovation grant

This grant is available to encourage teachers to develop innovative ways of incorporating soil science into lessons.

Suitable for: Primary, Secondary, Higher Education

Value: Up to £500

Application deadlines: 1st April and 1st September

Further Details at:

http://www.soils.org.uk/sites/default/files/documents/Grants/inovation_rules.pdf

Application Form at: <http://www.soils.org.uk/node/308>

Student Conference Grant

This grant is available to student members of the Society to help fund attendance at conferences applicable to their research field.

Suitable for: Student members of the Society

Value: Up to £500

Application deadlines: 28th February, 1st May, 1st August, 31st October

Further Details at:

http://www.soils.org.uk/sites/default/files/images/Student%20Grants_Rules_2016.pdf

Application Form at: <http://www.soils.org.uk/node/307>

David S Jenkinson Fellowship Grant

Celebrating the research of Dr David S Jenkinson FRS, this fellowship is available to support early career postdoctoral scientists from the UK to travel to and collaborate with an overseas organisation. Through this, we hope to build enduring scientific relationships, to enhance career development, and to promote UK soil science. It is offered annually to an early career postdoctoral scientist (within their first three years).

Suitable for: Early career postdoctoral Members of the Society who are UK resident and employed

Value: Up to £5,000

Further Details at:

http://www.soils.org.uk/sites/default/files/documents/Grants/Guidance_DSJenkinson.pdf

Application Form at: <http://www.soils.org.uk/node/311>

Details at: <http://www.soils.org.uk/news/8-feb-2017/grants-available>



WASWAC MEMBERSHIP APPLICATION/RENEWAL FORM (Issued 120501)

(For applicants from all countries)

Name: (Ms./Mrs./Mr./Prof./Dr.) Gender: ☐F ☐M
Institution:
Postal address:
State/Province: Zip/Postal code: Country:
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 membership in category*: ☐1(IM)☐2(LM)☐3(OM)☐4(SM&GM)
Membership for the year(s) @US\$ = US\$
Donation for developing country membership, etc. US\$
Donation to the Moldenhauer Fund 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

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