

WASWAC HOT NEWS 2012 (06) December 2012

Editors: Dr. Du Pengfei, Ms. Mao Juan

Contributors: Prof. Li Rui, Dr. Samran Sombatpanit, Dr. Karika Kunta, Dr. Ana Borisavljevic

Please send your contributions/ information for next issue(s) of HOT NEWS & WASWAC Bulletin to waswac@foxmail.com, iswcr@foxmail.com, care_045@yahoo.com & sskukul@rediffmail.com (for Bulletin).

This document is NOT properly edited, to enable a quick release to meet many deadlines.

Previous issues are available on <http://waswac.soil.gd.cn>.

All issues will be available on WASWAC official website <http://www.waswac.org> soon.

Please association members contact Dr Du Pengfei in waswac@foxmail.com to get username and password to log on download system on our official website <http://www.waswac.org>.

REDUCE

▪

REUSE

▪

RECYCLE

These are what every one of us can do to mitigate global climate change – our imminent threat.



PLEASE CONSIDER THE ENVIRONMENT BEFORE YOU PRINT THIS HOT NEWS



Meet us in

facebook

You Tube

Join us

<http://www.facebook.com/pages/World-Association-of-Soil-and-Water-Conservation/187062347982860>

and also please search in **Youtube** for 'SWATlectures'.

Contents

WASWAC News	WASWAC President's New Year Message of 2013	1-9
	ISWCR Call for Papers Submission	16-17
	Scientific Workshop on Sustainable Land Management to Enhance Food Production of APEC Members	21-22
	LANDCON Series of Meetings	23-25
Meetings	2013	10-15
Jobs		18-20
Advertisement		22,23,25
WASWAC Application Form		26

WASWAC President's New Year Message of 2013



Merry Christmas and Happy New Year to all members of WASWAC

Dear colleagues, friends and members of WASWAC,

Time elapses fast. As the year 2012 draws to an end, we felt that we can look back on an important year filled with wonderful opportunities and many challenges. The following is an overview of important events for the Association in the year 2012, mainly including:

1. Five committees were established to makes our council more effective operation

(1) Publications Committee

Members of this committee will find ways and means to run the present publications that present members have always received, i.e. WASWAC Bulletin, WASWAC Hot News, and determine the types of publications and the titles for each type, particularly the Special Publications, to distribute to members and general public.

Chairman: Miodrag Zlatic (Serbia)

Co-Chair: S.S. Kukal (India) and William Critchley (Netherlands)

(2) Awards Committee

Members of this committee will determine the types of awards that the association will grant to awardees, including Norman Hudson Memorial Award, Distinguished Researcher's Award, Distinguished Extensionist Award, Special Award, and any other awards that are suitable to be given by the Association.

Chairman: Samran Sombatpanit (Thailand)

Co-Chair: Liu Zhen (China)

(3) Academic Meetings Committee

Members of this committee will determine what academic meeting(s) the Association should organize or co-organize in order to accomplish its mandate in disseminating soil and water conservation technologies to areas of the world that are in need.

Chairman: Chinapatana Sukvibool (Thailand)

Co-Chair: Ning Duihu (China)

(4) Finance Committee

Members of this committee will determine the revenue (largely from membership fees) and expenditure of the Association and set up regulations concerning remitting money between the Treasurer and members/non-members all over the world.

Chairman: Liu Xiaoying (China)

Co-Chair: Roberto Peiretti (Italy)

(5) International Cooperation and Development Committee

Members of this committee will determine the cooperation program that the Association should undertake in order to accomplish in disseminating information and technologies to people who are in need, which can be done by interacting with many societies, associations and universities, research institutions, government agencies and NGOs.

Chairman: Jose Rubio (Spain)

Co-chair: Li Dingqiang (China)

2. New Website was established

It has passed 11 years since late 2001, Dr Michael Zebisch helped establish the first website of WASWAC at the AIT in Bangkok. During the development of the last decade, this website was gradually transposition to Tokyo and Guangzhou with the support of Institute of Environment Rehabilitation and Conservation (ERECON) and Guangdong Institute of Eco-Environmental and Soil Sciences (GIEESS). Now, the WASWAC Secretariat has formally designed a new one (www.waswac.org) as our permanent official website, which includes a series of sections, such as WASWAC events, Conferences, Special Reports, Publications, Awards, Advertisements, and so on. The website operator will post regular updates on matters relating to soil and water conservation to make it more timely and informative. To improve this webpage, any contributions, suggestions and comments are welcomed, so please do not hesitate to let the secretariat know your feedbacks.

One thing need to be pointed out: please all members to contact our secretariat (waswac@foxmail.com) to get your username and password for downloading all issues Hot News, Bulletin, and other publications of our association.



3. New Members

There were 17 new members registration from Australia, China, USA, Egypt, Ghana, Tanzania, Yeomen and Pakistan in the year 2012.

4. WASWAC Conference

(1) The standing council meeting was held at Beijing, 26-27 March

The Standing Council Meeting for 2012 was held in Beijing (IRTCES) on 26-27 of March, 2012. Professor Li Rui (President), Professor Miodrag Zlati (Immediate Past President), Professor Samran Sombatpanit (Advisor), Professor Ning Duihu (Executive Secretary), Professor Li Dingqiang (Councilor/ Deputy Secretary General), Professor Liu Xiaoying (Treasurer) and Dr Du Pengfei (Secretary) participated in the meeting. Professor Liu Zhen (Honorary President) met with all participants. Some important issues, such as 2012 working plan, preparation for LANDCON 1209 and the 2nd WASWAC World Conference, website and brochure design and specialized committees establishing, have been made agreements after discussion.



(2) The 2nd WASWAC World Conference Preparing

The WASWAC Secretariat Delegation was invited by the Land Development Department (LDD) of the Ministry of Agriculture and Cooperatives of Thailand to communicate and investigate during the period of May 21 to May 26, 2012. The LDD professionals and staff members extended a warm welcome to the guests. Mr.

Thavatchai Samrongwatana, the director general, and Mr. Anusorn Chantanaroj, the deputy director general, had met with the delegates respectively. As one of the key topics, the 2nd WASWAC World Conference was discussed in detail. Conference time, venue, topics, sponsors, supporters, registration fees, publications and the organization and arrangement for this important event were discussed one by one. A range of decisions was made after the discussion.



(3) LANDCON 1209

The LANDCON conference was held in Serbia, 17-21 September with the topic of “Sustainable land management and climate changes”. The papers were presented during three days in 6 topics (1) Land Degradation, (2) Land Conservation, (3) Impact of Climate Change on Environment, (4) Socio Economic Aspects of Land Degradation and Land Conservation, (5) Implemented Global/Regional/ National Projects, and (6) Education in Land Conservation. The excursion on September 19th in Derdap gouge gave opportunity to the participants to visit professional sites (Hydropower plant Derdap, regulation of torrents, canyon of Boljetinska river) as well as cultural sites (Lepenski Vir, Kovilovo, ethno farm). Presentations of student works were held on the fourth day of Conference followed by plenary session giving the general guidelines and closing the conference. This event numbered 46 domestic and 27 foreign participants.



5. Training course and workshop SWAT

(1) Conservation Agriculture Southeast Asia

The training at the SWAT School of Central Luzon has been successfully conducted. There were 31 participants coming from different agencies including CLSU (faculty and graduate students), UPLB, UP Diliman and other government agencies around CLSU like DENR, PhilRice and NIA. Prof Annie Melinda Paz-Alberto, our host, welcomed all of us very nicely and provided every facility essential for the training.

In the evening of Jan 30, the SWAT Network of the Philippines has been launched . Dr. Nathan gave a brief background how SWAT was first introduced in the Philippines with an initial training held at IRRI in May 2007, to be followed with the creation of the SWAT-SEA (SWAT South East Asia) which was later proposed to include other East Asian countries like China, Korea and Japan to become SWAT SEEA (SWAT South East and East Asia) if those countries agree. The SWAT Network of the Philippines was successfully launched with the viewing of the new Facebook account for the SWAT NETWORK recently created (<http://www.facebook.com/pages/SWAT-Network-of-the-Philippines/146323622148926>). A pledge of promoting SWAT in the Philippines was also prepared where all the founding members affixed their signature.



(2) Yangling training course

This training workshop was held during Apr 3 to Apr 26 in Yangling, China. The main topics of the seminar: Introduction to China and its Agricultural Development, progress and trends in international water & soil conservation and dryland farming, soil erosion forecast model, dryland nutrient management, dryland water management, main soil & water Erosion Control measures and their Extension, and use of new Techniques in Soil & water erosion, etc.

By adopting lecturing, practice, field study and participant idea exchange and presentation, the seminar was achieved expectation successfully. All participants got a clear understanding about the research on soil & water conservation and dryland farming in China and explore the approaches for sustainable agricultural development in arid and semi-arid regions.



6. Publications

Hot News editing work was transferred to the secretariat since September of this year. Generally, Hot News and Bulletin are both running well. There were 6 issues Hot

News and 3 issues Bulletin totally for the year 2012. In addition, a new book “Vegetable Agroforestry in the Philippines” at the school of Environmental Science and Management (SESAM) of the university of the Philippines Los Baños (UPLB), Laguna was also published on January 27.

7. Official Journal was authorized to publish

After two years preparation and application, our official journal “International Soil and Water Conservation Research” was finally authorized to publish by the General Administration of Press and Publication of P.R.China. The publication series number CN10-1107/P was allocated to our journal. The ISSN application will be our next mission, after that, our journal will be published freely over the world. All papers on soil and water conservation are welcomed to submit to our journal. We believe our target that providing a communication platform to the scientists and engineers in soil and water conservation must be coming true soon with all members’ support!

8. First Global Soil Week

As WASWAC representatives, Prof. José Luis Rubio and Prof. Miodrag Zlatic were invited to attend the First Global Soil Week during 18-22 November in Berlin.

The conference, being the first of its kind, requests politicians, land managers and civil society to address soils and land management as a core priority area now.

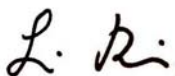
Looking forward to the year 2013,

1. There is an urgent mission for us to launch our new journal regularly. The “ISWCR Call for Papers Submission” is included in this issue Hot News, please pay your attention to have a look, and please also submit your recent achievements to us to help it become one of the most influential journal in soil and water conservation – related fields.
2. The 2nd WASWAC World Conference and 2nd council meeting will be held in Thailand. Many things such as abstract and papers submission, detailed conference announcement, participants registration etc. should be arranged soon. Further information please find in our official website and Hot News.

3. The 3rd SWAT Workshop and Conference in South East and East Asia (SWAT SEEA III) with the topic “In commemoration of the World Day to Combat Desertification 2013” will be held in June 16-22, 2013. SWAT Workshop and Conference has been organized successfully in many countries in the past decade, we hope this coming workshop can attract more participants and become one of the most influential SWAT conference.
4. Our organization development including new member’s registration and new council selection will be our big mission in the year 2013. We are cordially welcome any people who is working in this filed of soil and water conservation related join us to make our association stronger. And we also hope that our councilors and members can participate the 2nd WASWAC World Conference and other related events to discuss more about our association development.

Your continuing support for WASWAC will contribute our Association stronger than ever before. We believe that WASWAC will receive more fruits and play more important role in the world.

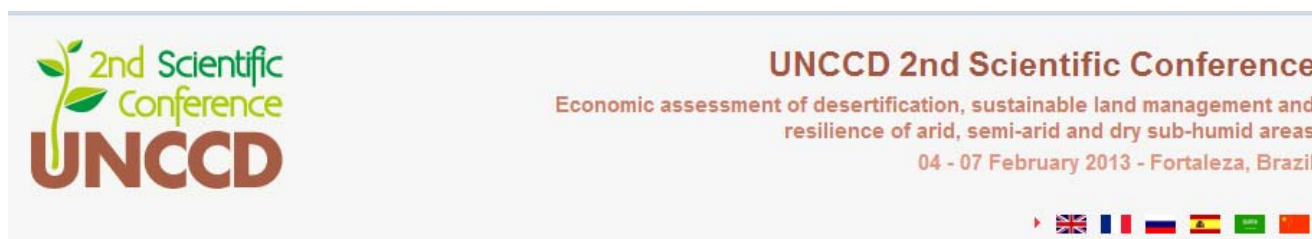
Finally, with the arrival of New Year 2013, I am very pleased to offer you our best wishes on this special occasion. Hope our all members all the joys of happiness throughout the prosperous New Year.



Prof. Li Rui
President of WASWAC
Institute of Soil and Water Conservation MWR-CAS
26 Xinong Rd., Yangling, Shaanxi, China
lirui@ms.iswc.ac.cn

WASWAC Secretariat:
c/o International Research and Training Center on Erosion and Sedimentation (IRTCES), 20
Chegongzhuang Road West, Beijing 100048, P. R. China.

MEETINGS 2013



There is a widespread consensus that the pressing issues of Desertification, Land Degradation and Drought (DLDD) are not yet properly included and addressed in today's political and private sector agendas on a global, national and local level and that it is therefore of vital importance to raise awareness of the effects - costs and benefits - that decisions related to land management and ecosystems have.

The UNCCD 2nd Scientific Conference therefore aims to gather a broad range of stakeholders - academics, policy makers, civil society actors and the private sector - to approach DLDD from an economic perspective.

The conference will provide guidance to governments and non-governmental actors alike, on why they should and how they can, together, reverse current DLDD trends, support affected countries and communities to improve their land management practices and increase resilience.

Conference Theme: "Economic assessment of desertification, sustainable land management and resilience of arid, semi-arid and dry sub-humid areas"

Two sub-topics: Economic and social impacts of DLDD & Costs and benefits of policies and practices addressing DLDD



The UNCCD 2nd Scientific Conference will be held in Fortaleza, Brazil, during the 3rd special session of the Committee for Science and Technology (CST S-3). The scientific conference will be the main part of this session.

The conference is expected to produce sound scientific outputs and policy-oriented recommendations based on the analysis and compilation of peer reviewed and published literature that informs policy formulation and dialogue. These recommendations shall be submitted to the CST and COP for their consideration. The recommendations should provide a clear picture of available options and possible scenarios for decision makers on the economic assessment of desertification, land degradation and sustainable land management in affected areas.

The PAGES 2nd Young Scientists Meeting



Time: 11-12 Feb 2013

Venue: Goa, India.

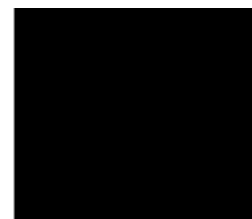
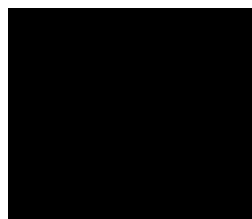
The PAGES Young Scientists Meeting (YSM) held once every four years, is the premier event for early career researchers organized by PAGES. The conference will be a stepping-stone for early-career researchers who want to develop their professional skills and expand their scientific network.

All YSM participants will also register and submit an abstract to the Open Science Meeting that follows (13-16 Feb 2013).

Please note: YSM participation is on a competitive basis. Only those applicants that have been officially selected to participate in the YSM should register for it.

More details please go to: <http://www.pages-osm.org/osm/program>

International Conference-Exhibition on Soils, Sediment and Water



Date: 26-28 March, 2013

Location: Lyon, France

Sessions:

- 1.Certification – Feedbacks
- 2.Excavated soils/ Alternative Materials
- 3.Impact of contaminated lands on ambient air
- 4.Innovative Techniques for pollution control

Deadline for application : November 15, 2012

Selection of summaries : November 19, 2012

More information at: <http://www.intersol.fr/>

www.intersol.fr

26 to 28 March 2013 - Lyon, France



In partnership with :



In collaboration with :



4th International Symposium on Soil Organic Matter



Date: 5-10 May, 2013

Location: Nanjing, China

Introduction:

Soil organic matter (SOM) has been universally accepted as a key soil component in soil fertility, crop productivity and ecosystem functioning related to mitigation of greenhouse gas, maintaining soil biodiversity and sustaining ecosystem health. There has been increasing interests of SOM studies in agronomy, Earth science and ecological sciences globally. As a follow-up to the meetings in Poitiers (France, 2007), Colorado Springs (USA, 2009) and Louvain (Belgium, 2011), the fourth international symposium on organic matter dynamics will be held in Nanjing, China in 2013.

While this series symposium remains a focus on SOM dynamics under different human activities at various scales from cropland plot to water shed and land-ocean transects, the SOM 2013 will cover a wide range of studies of SOM from molecular characterization of SOM structure and its dynamics to global scale simulation and modeling of C fluxes between pedosphere and biosphere, atmosphere and hydrosphere. Exchanges of SOM and SOM-derived (associated) C between soil and plant, between surface and subsurface, between land and waters will be again among the hot spots of the symposium.

While the food supply will be still a great challenge in developing countries, particular attention will be addressed of SOM and the linkage to soil productivity, nutrient efficiency, biological activities as well as soil tillage and conservation in agricultural soils in the present symposium. Meanwhile, the role of SOM in croplands will be further explored in the mitigation of GHGs in relations to human land use and management practices. Contributions will be greatly encouraged from scientists with research on pragmatical solutions to sequester carbon in natural ecosystems as well as in croplands without compromising food production.

As new issues and technological development in SOM have been emerged in recent years, some special sessions addressing new tools and new concepts in study of SOM dynamics will be opened in the present symposium. As young scientists are the future of SOM study, tentatively a special activity will be also organized for young scientists, for which some funding and presentation awards will be granted after review and appraisal by the SC committee.

Looking forward to a wide contribution from all around the world, and a great success with you of this event in China!

Details at: <http://www.ireea.cn/som2013/index.asp>

Biohydrology Conference 2013



Time: 21-24 May

Venue: Landau/Pfalz, Germany

Biohydrology 2013 addresses many contemporary issues surrounding water scarcity, climate change and increase pressure on land. The conference focusses on the interaction between biological and hydrological systems, including positive impacts such as water harnessing and flood mitigation, and negative aspects including threats to food production, water repellency and environmental degradation through unsustainable land use practices. Experts from hydrology, ecology, soil science, geography, biology, forestry and engineering will meet together in a forum designed to get different disciplines working together.

Topics:

Topic 1: Biohydrological Processes at Various Scales

Conveners: Lubomir Lichner, Andreas Lorke, Erik Cammeraat

The physico-chemical properties of water as well as the spatial and temporal distribution and dynamics of water fluxes, are influenced by plants and organisms on a broad range of scales.

This session will present state-of-the-art advances in measuring and modelling the interactions of vital organic matter, detritus and metabolic products with hydrological processes at different spatio-temporal scales. Particularly welcome are contributions linking the processes over various scales, e.g. by assessing the emergent larger-scale impact of processes occurring at finer scales, ranging from the scale of individual grains and organisms to the catchment scale.

Keywords: hydrological processes, biology, spatio-temporal scales, measurement, modelling

Topic 2: Food and Water Security, Biodiversity and Climate Change

Conveners: Paul Hallett, Stefan Doerr, Horst Gerke

These sessions will explore the role of biohydrological processes in the big challenges facing humanity: food and water security, biodiversity and climate change. It will take information learnt from natural systems and consider how processes such as changes in water retention or drainage driven by biology may offer solutions to enhanced water capture and storage. This will be in the context of drivers such as drought, wild fire and increase demand for food.

2.1: Food Security, Water Scarcity, Climate Change and Biohydrological Impacts

Fresh water is a finite resource, with shortages presenting a severe threat to food security in many parts of the world. Drier and more erratic weather conditions predicted with climate change will only worsen the situation. We have a pressing, immediate need as scientists to understand this threat and develop solutions that can enhance water capture, storage and availability to plants. This session will examine the negative and positive implications of biological processes to water security, including the challenges in greywater reuse, favourable plant traits to capture water or improve soils and the development of novel, biologically based technologies.

Keywords: water security, food security, crop production, greywater, irrigation

2.2: Interaction between Biodiversity and Biohydrology

Habitats can be altered so that plants, animals and microbes gain a competitive advantage over other species. During initial ecosystem development and forest succession this can be a shift in soil structure and hydrological properties that favour particular plant and tree species. At smaller scales, the production of surfactants by some plant and microbial species provides increased resistance to water stresses; while at larger scales, forest or wetland habitats affect moisture status of the landscape. Biodiversity and biohydrology are interlinked processes, which will be the focus of this exciting session describing one of the driving forces behind the evolution of landscapes and habitats.

Keywords: biodiversity, hydrology, abiotic stress, competition, habitat, soil structure

2.3: Doom, Gloom and Biohydrology - Fire, Drought and Flooding

With the worsening threats of wildfire, drought and flooding, there is increased need to understand the impacts on hydrological processes and how they interact with biology. Wildfires burn biomass and can render soils hydrophobic and clogged with ash. Drought and flooding can change biological community structure, with potential knock-on effects to future events. The impact of these threats and possible 'biological' solutions are the subjects of this session.

Keywords: fire, drought, flooding, interaction, soil



Topic 3: Coupled Land-Water Ecosystems

Conveners: Gerrit deRooij, Ralf Schäfer, Villiam Novak

The terrestrial ecosystem (often subjected to heavy anthropogenic manipulation) affects aquatic ecosystems across a range of scales and in many ways. Examples include the export of dissolved organic carbon from forests into the streams draining, which creates major problems in German drinking water reservoirs, and anoxic zones in the Baltic Sea and the Gulf of Mexico, related to excess fertilizer nutrients from the Baltic region and the Mississippi basin, respectively. Sometimes, the

aquatic system affects the terrestrial ecosystem: salt water wells up locally in coastal agricultural areas in the Netherlands, and the moderating climatic effect of the North-American Great Lakes enable a local Canadian viniculture nearby. Ecological effects include semi-aquatic organisms leaving an imprint on the ecosystem surrounding a freshwater body. We seek presentations on all facets of the interaction between terrestrial and aquatic ecosystems: theoretical, observational, and methodological viewpoints are all welcome.

3.1: Coastal Systems

3.2: Freshwater Systems

3.3: Water-to-Land Effects

Keywords: water, matter, energy, organisms, from aquatic to terrestrial systems, drought, flooding, interaction, soil



Topic 4: Role of Biogeochemical Interfaces in Hydrology

Conveners: Gabriele E. Schaumann, Jörg Bachmann, Markus Weitere

Remarkable advances in the analysis and understanding of physical and hydrological processes in the critical zone as well as on the bottom of running waters has been made in the past. However, the role of biological activity in regulating the physical and hydraulic properties of the porous medium and solid surfaces, its impact on micro- as well as on macro-scale fluxes and its potential in modifying numerous material functions remains largely ignored, especially by soil hydrologists. Vice versa, biologists often use oversimplified models and experimental designs that ignore governing properties of natural environments affecting biological activity in unsaturated soils and on river bottoms including the hyporheic zone.

This session aims to describe the complex interplay of interactions between biological systems and interfaces in the soil and sediments from the pore to the landscape scale.

4.1: The Role of Organisms for Interface Structure and How They Affect Hydraulic Processes

Soil and sediments as porous 3-phase systems are characterized by a tremendously high surface area to volume ratio. Complex interactions of physical, chemical and biological processes occur over time at highly heterogeneous particle interfaces. Soil and water organisms respond to alterations in hydration and redox status with a large set of strategies and physiological mechanisms including formation of extracellular polymeric substances (EPS) and biofilms. Biohydraulic i.e. at soil-root interfaces are fundamental for the overall soil development, and they are the primary driving force for water balance as key ecosystem functions for plant productivity and water quality.

This session will discuss approaches in characterizing the modification of pore surfaces in soils and sediments by biological activity, quantifying the effect of matrix modification under varied environmental conditions. Field and laboratory studies as well as modeling approaches are welcome.

Keywords: interface structure, hydraulic processes, soil and sediments, water balance

4.2 The Role of Aquatic Biofilms

Biofilms, i.e. microbial communities which live in association with interfaces, are omnipresent on surfaces in aquatic ecosystems. They contribute substantially to biogeochemical processes, particularly in systems with high surface to water volume ratios such as running waters and groundwater systems. Furthermore, biofilm growth can alter hydraulic processes such as the exchange between running waters and the hyporheic zone. Even though the general importance of aquatic biofilms is widely accepted, our understanding on the mutual interactions between the biological interface, hydraulic conditions and biogeochemical transformation processes is still limited.

This session looks for contributions in this field for different aquatic systems and at different scales, i.e. from the micro-patch size to the quantification of biofilm-driven whole-ecosystem transformation processes.

Keywords: biofilms, aquatic systems

Details at: <http://www.biohydrology2013.de/sessions.html>

XVII Conference of the International Soil Conservation Organization (ISCO)



The XVII ISCO Conference will be held in **Medellin (Colombia), 08 - 12 July 2013**, and the following central and specific topics have been selected:

Central topic: Environmental Sustainability through Soil Conservation

Specific topics: 1) Land planning, soil and water conservation;

- 2) Physical, chemical and biological processes in soil conservation and degradation;
- 3) Hydrological processes in soil degradation and associated natural disasters;
- 4) Environmental dynamics associated with land use changes;
- 5) Carbon sequestration and climatic change;
- 6) Environmental impact of the mining industry on soils and waters;
- 7) Degradation of soils and biofuel production.

Registration fee: 400 USD (includes CD with abstracts, local field tour, 4 lunches and closing banquet)

Deadlines: Reception of short abstract: 31 December 2012; Reception of extended abstract: 31 March 2013

More Details Please See the First Announcement Online:

<http://www.essc.sk/WebBoard/documents/First%20announcement%20ISCOPDF.pdf>



Time and Venue: The 11th International Conference of the East and Southeast Asia Federation of Soil Science Societies will be held in IPB International Conference Center (IPB-ICC), Bogor - West Java, Indonesia on 21 - 24th October 2013.

Theme: Land for Sustaining Food and Energy Security

- Session Themes:**
1. Land Productivity and Food Production
 2. Land Degradation and Remediation
 3. Plant Nutrition, Biological Cycling and Soil Quality
 4. Sustainable Lowland and Peatland Management
 5. Hydrology and Water Management
 6. Land Use and Climate Change
 7. Soil Database and Digital Soil Mapping

Contact: Registration online at <http://www.esafs11ina.org>

Abstract submission to Email: secretary@esafs11ina.org

Conference secretariat: Indonesian Soil Research Institute, Jl. Tentara Pelajar No. 12, Bogor

More Details please go to: <http://www.esafs11ina.org/>

ISWCR Call for Papers Submission

As the journal of World Association of Soil and Water Conservation (WASWAC), International Soil and Water Conservation Research (ISWCR) is an internationally quarterly journal published by International Research and Training Center on Erosion and Sedimentation (IRTCES). The mission of ISWCR is to track the frontier of soil and water conservation in the world and promote the discipline development and prosperity. The papers published will cover scientific theory innovation, technology development and latest research achievements on soil and water conservation, such as soil erosion and control, ecological environmental protection, land degradation, land resources management, dynamic monitoring and evaluation, decision-making, and related hot and difficult issues.

All manuscripts will be reviewed by members of the Review Board, consisting of internationally renowned experts in their specific field. Only original manuscripts will be accepted and copyright for published papers will be vested in the publisher.

Manuscript submission

All manuscripts will be submitted with email to: iswcr@foxmail.com. Submission of a manuscript implies: 1) the work presented has not been published before; 2) it is not under consideration for publication elsewhere; 3) its publication has been approved by all co-authors, if any, as well as by the responsible authorities at the institution where the work was carried out.

Text

One PDF file and one WORD file of the manuscript should be submitted. Technical paper should not exceed 10,000 word equivalent and technical note 5,000 word equivalent (figures inclusive). Technical terms and mathematical symbols used should be defined where they first appear in formulas, figures, tables or text. The title should be brief. The authors' names should be typed on the line below the title; the present affiliation(s) should be typed in the footnote.

Abstract

The body of manuscript should be preceded by an abstract with the maximum length of 300 words for a full-length manuscript. It should be intelligible in itself without depending on references cited. Three to five keywords should be listed after the abstract.

Figures and tables

Electronic copy of figures should be provided, accepted in JPG or TIFF formats with 600dpi resolution, or in XLS data files. Photographs should be enlarged sufficiently to permit their clear reproduction in half tone after size reduction. All illustrations should be about twice the size of final reproduction, and the final size of lettering should not be smaller than 1.5 mm. Figure captions should be listed on a separate sheet and placed at the end of the manuscript. The cost of printing color images in the *Journal* will be charged to the author.

Figures and tables should be numbered consecutively and titled. All table columns should have a heading. Figures and tables must be explained in the text.

System International (SI) units should be used throughout the paper.

References

All references should be arranged in alphabetical order of the author's names and grouped together at the end of the paper. Examples of three types of references - journal papers, books and conference proceedings - are given below:

Clifford N. J., Richards K. S., Brown R. A., and Lane S. N. 1995, Laboratory and field assessment of an infrared turbidity probe and its response to particle size and variation in suspended sediment concentration. Hydrological Sciences Journal, Vol. 40, No. 6, pp. 771-791.

Wan Z. H. and Wang Z. Y. 1994, Hyperconcentrated Flow, A. A. Balkema, Rotterdam, The Netherlands.

Milintangual P. 1990, Increase in reservoir sediment caused by deforestation and its effect on dam life. Proceedings of the Workshop on Field Measurement of Sediment in Rivers and Reservoirs, Bangkok, Thailand, pp. 17-33.

Copyrights

The author must sign a Copyright Transfer Agreement, transferring copyright of the article from the author to the owner of the *Journal* before the paper can be published.

Submit your paper whenever you wish. Just an email, the submission process takes less than two minutes and processing will commence on the same day.

JOBS

1. Technician (Science - Micromorphology) in Department of Archaeology



As a result of the award of a prestigious Advanced Researcher Investigator grant from the European Research Council, a multidisciplinary team from the Departments of Archaeology and Chemistry has been established to investigate micromorphological and chemical signatures preserved within the soils of archaeological graves. As a result of the current post-holder leaving to pursue research, there is a vacancy for a technician to support this project.

You will assist in running the micromorphology laboratory and will carry out impregnation and consolidation of soil/sediment samples and preparation of thin sections. You will ensure the effective and efficient operation of the laboratory, including maintenance of the equipment, administering and ordering tasks and will assist, when necessary, in image analysis, in the evaluation of thin sections, elaboration of analytical results, data recording and archiving, and collecting samples from sites. You will also maintain contact, through periodic meetings, with the different sections of the research team.

You will have a Degree in a Science subject, ideally with some knowledge or experience of earth/soil sciences and analysis or image analysis/software. You should have experience of working in a science laboratory environment (preferably competence with a range of equipment, with two years experience), computer literacy, and administrative abilities.

Salary will be within the range £20,172 to £22,700 a year, on grade 4 of the University's salary scales. The contract is on a fixed term basis until March 2014.

For **informal enquiries**, please contact Dr Maria Raimonda Usai on mru2@york.ac.uk (tel: (0044) 1904 328650/323934 or (0044) 7985 770943).

For **further information** and to apply online, please visit our website: <https://jobs.york.ac.uk>. Alternatively contact HR Services on +44 (0)1904 324835.

Closing date: Midnight on 28 January 2013.

2. Assistant/Associate Professor/Professor - Soil and Soil Ecology Sciences



The Department of Agricultural Chemistry of National Taiwan University invites applications for one research and teaching position for assistant professor, associate professor or full professor. Candidates must possess a Ph. D. degree. The research background of candidates is Soil and Soil Ecology Sciences.

Chinese or English spoken applicants are all acceptable.

Please indicate the applying position (Assistant, Associate Professor or Professor) and send 3 copies of (1) curriculum vitae including a portrait photo, (2) proof of Ph. D. degree, (3) a complete publication list, (4) reprints of publications published in last 7 years (after August, 2006), (5) reprint of one representative paper of SCI journal published in last 5 years (after August, 2008 and the applicant should be the first author or corresponding author) or Ph. D. dissertation (after Aug., 2010), (6) statement of research and teaching plans in the future , and (7) 2 recommendation letters.

Applications must be received by Mar. 1, 2013. The position will be available from August 1, 2013. Contact person: Prof. Ren-Shih Chung, Head, Department of Agricultural Chemistry, National Taiwan University, No. 1, Sec. 4, Roosevelt Road, Taipei, 106-17, Taiwan. Tel: +886-2-33664801, 33664809, Fax F+886-2-23633123, 23620432, E-mail: ntu12121@earthworks-jobs.com, Website: www.ac.ntu.edu.tw

3. Ph.D position at Center for Permafrost (CENPERM)



Ph.D position at CENTER FOR PERMAFROST (CENPERM) at the Department of Geography and Geology, University of Copenhagen Subsurface carbon and nitrogen pools and potential mobilization in permafrost-affected soil environments

Center for Permafrost (CENPERM) at the University of Copenhagen is recruiting a Ph.D student to work in the field of soil science/biogeochemistry related to the turnover of carbon and nitrogen in permafrozen soil environments. The position is fully financed and part of the EU FP7 project: "Changing Permafrost in the Arctic and its Global Effects in the 21st Century - PAGE21" with an overall goal to quantify the vulnerability of permafrost environments to a changing global climate.

The Ph.D position is part of work package 3 (WP3) aiming to provide improved knowledge on belowground organic carbon (C) and nitrogen (N) pools and biogeochemical turnover in permafrozen soil and their partitioning in the landscape at field sites in Siberia, Svalbard and Greenland. The soil organic matter (SOM) lability and N-availability across landscape units and soil genetic horizons will be assessed using a suite of biogeochemical methods and techniques. Thaw induced C and N mobilization and conversion to CO₂, CH₄ and N₂O will be quantified through a number of field investigations and laboratory experiments. Focus will be on the potential changes in soil specific greenhouse gas (GHG) production and consumption dynamics in response to thawing of currently permafrozen soil layers.

In addition to the biogeochemical focus on element transformations and potential GHG production, consumption and emissions, the Ph.D. position will work on methods for ensuring representative sampling of heterogeneous soil units and permafrozen landscapes as well as on the scaling issues involved in generalizing knowledge from individual sample units to landscape and region levels.

The successful candidate must hold a Master degree (M.Sc) or equivalent in physical geography or biology, preferably within the fields of soil science and biogeochemistry. Fluency in spoken and written English is a requirement.

An evaluation committee will be appointed to evaluate the applications. Applicants will be notified of the composition of the committee. The final selection of a successful candidate will be made based on the recommendations of the evaluation committee. The successful candidate will then be requested to formally apply for enrolment as a Ph.D student at the Ph.D school of Science, University of Copenhagen and be offered a working contract for the 3 year Ph.D study period.

Terms of appointment and payment are in accordance with the agreement between the Danish Ministry of Finance and the Danish Federation of Professional Associations (AC). The starting salary for candidates with an M.Sc degree will be a minimum of DKK 300.174 per year (April 2011 level) plus pension contribution DKK 41.013 and the possibility to negotiate wage. The main working place will be in CENPERM located at the Department of Geography and Geology, University of Copenhagen. Research will be carried out in cooperation with the University of Stockholm, department of Physical Geography and Quaternary Geology.

The University of Copenhagen wishes to reflect the diversity of society and welcomes applications from all qualified candidates regardless of personal background.

For further information, please contact CENPERM director and Professor Bo Elberling e-mail: be@geo.ku.dk

How to apply

The application must contain the following files when applying online via this address:

http://www.ku.dk/english/available_positions/vip/

- Curriculum vitae
- Project description including technical approaches (max 3 pages)
- List of publications
- Transcript of University examinations
- Contact details for 2 persons for references
- The deadline for applications is Monday 21 January 2013.

Deadline: Applications received after the deadline, or with insufficient documentation or otherwise not complying with the above requirements, will not be considered. It is expected that the successful candidate will be enrolled at the Ph.D School of the Faculty of Science no later than 1 month after the start of the Ph.D scholarship preferably by February 1, 2013.

Copenhagen University introduction: it is the oldest university in Denmark founded in 1479. The university is with its approximately 37000 students and 7500 staff, the largest university in the Nordic area and the only Nordic university on the world top 100 (www.ku.dk).

Copy from: <http://www.earthworks-jobs.com/geoscience/copenhagen12111.html>

If you want to advance in your career

**Make English
Part Of Your Life**

Scientific Workshop on Sustainable Land Management to Enhance Food Production of APEC Members

Scientific Workshop on Sustainable Land Management to Enhance Food Production of APEC Members organized by Land Development Department (LDD) and Asia Pacific Economic Cooperation (APEC) was held during November 28-30, 2012 at the Imperial Mae Ping Hotel, Chiang Mai, Thailand. The workshop aims to initiate a mutual learning process among workshop participants by sharing experience and by jointly reflection on current and potential problems and solutions regarding land degradation and desertification focusing on food production. Also, the workshop seeks to establish the networks and cooperation among representative organization in APEC members.



There were 122 participants attending the Workshop, 19 of which came from 13 members of APEC economies, namely Australia, Chile, China, Chinese Taipei, Indonesia, Malaysia, Mexico, Papua New Guinea, Peru, Philippines, Russia, and Viet Nam. The remaining 103 participants were from the host country – Thailand. On November 29, a study tour was arranged to visit the Royal Project Foundation at Ang Khang, Fang District of Chiang Mai. The participants had a good chance to see the organic vegetable production and GAP strawberry production by the hilltribers, and the package house.

From the workshop, it is summarized that there is high recognition of the importance of the sustainable land management approach in contributing to soil resources in order to increase productivity and food security worldwide. Having proceeded through this scientific workshop for three days, LDD and APEC were confident that the deliberation and contributions based on the valuable knowledge from all distinguished participants have marked the achievement towards goals of the workshop. It shows that there are indeed enough mechanisms and approaches to make the management of soil resources sustainable. Nonetheless, the intensification of networking activities and collaboration among APEC economies and within each individual economy is required to initiate the processes and mechanisms in a long-term effort to develop effective solutions for enhancing and sustaining agricultural productivity. Thailand would also play an active role in raising the awareness of the important roles of soil towards its sustainable management, food production related ecosystem services, and global food security.

ICT International Standing Wave Technology

Soil Moisture Measurement





MP306
MP406

<http://www.ictinternational.com/soils.html#soilmoisture>

Applications:

- Volumetric soil moisture content • Forest and catchment hydrology
- Soil columns and geo-engineering • Landfill cover and mine closures
- Irrigation scheduling



INTERNATIONAL

Solutions for soil, plant & environmental monitoring

www.ictinternational.com

Ph: +61 2 6772 6770 sales@ictinternational.com.au

[SOUND PRINCIPLE NO. 31]

Even grown-ups
play with cool new toys.



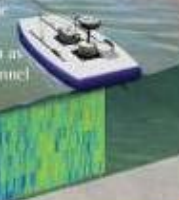
RiverSurveyor



and the new RiverSurveyor could well be
your favorite new toy too.

- ◆ Continuous shallow-to-deep discharge measurements
- ◆ Ideal for extreme flood or drought conditions
- ◆ Instant data from your mobile device
- ◆ Use in canals, streams and rivers
- ◆ Small, portable and easy to use

Complete 3-D velocity
profiling, bathymetric
measurement and
discharge calculation as
you transect the channel



FREE Technical notes, web-based training and product information at www.sontek.com.
Questions? E-mail: inquiry@sontek.com or call +1.858.546.8327
See the RiverSurveyor-S5 in action! youtube.com/SonTekYSI

Sound Principles. Good Advice.



LANDCON Series of Meetings*

No.	Meeting topic	Place	Time
-----	---------------	-------	------

0902	Conference of the International Erosion Control Association (IECA): Environmental Connection 09 www.ieca.org	Reno, Nevada, USA	Feb 9-12, 2009
0903	Conference on Land Degradation in Dry Environments jawadhi@kuc01.kuniv.edu.kw	Kuwait City, Kuwait	Mar 8-14, 2009
0905a	Global Change, Challenge for Soil Management: From Degradation – Through Soil and Water Conservation – To Sustainable Soil Management www.sfb.bg.ac.yu/erosion2009/	Tara Mt., Serbia	May 26-30, 2009
0905b	Conference on “The sustainable development of water resources”, organized by Hydrotechnics Faculty of “Politehnica” University of Timisoara, Romania gcr@mail.dnttm.ro	Timisoara, Romania	May 27-28, 2009
0906a	The 10th international meeting on Soil with Mediterranean Type of Climate http://www.cnrs.edu.lb/10IMSMTC.pdf	Beirut, Lebanon	Jun 22-26, 2009
0906b	Conference on “Challenges and Opportunities of Bioindustrial Watershed Development for the Prosperity of the Farming Community”, organized by the Soil Conservation Society of India www.soilcsi.org/	Bengaluru, India	Jun 25-27, 2009
0909	International Conference on Desertification in memory of Professor John B. Thornes http://fobos.bio.um.es/thornes/doku.php , arodi@um.es	Murcia, Spain	Sep 16-18, 2009
0911	International Seminar on Upland for Food Security, Faculty of Agriculture, University of Soedirman, Purwokerto, Central Java. Contact Budi Prakoso prabud2001@yahoo.com	Purwokerto, Central Java, Indonesia	Nov 7-8, 2009
1004a	Interpraevent Conference in the Pacific Rim http://interpreavent2010.nchu.edu.tw/ , scchen@nchu.edu.tw	Taipei, Taiwan	Apr 26-30, 2010
1004b	6 th National Seminar on Watershed Management and 4 th National Seminar on Soil Erosion and Sediment. wmconf6@gmail.com , seconf4@gmail.com	Noor, Iran	Apr 28-29, 2010
1005	First International Conference on Soil and Roots Engineering Relationship habibibibalani@gmail.com	Ardebil Province, Iran	May 24-26, 2010
1009	FAME 2010, an annual event organized by Green World Conferences Contact: Derek Michalski at dm@greenworldconferences.com , www.greenworldconferences.com	Berlin, Germany	Sep 13-14, 2010
1010	FIRST WASWAC COUNCIL MEETING and Int. Conf. on Combating Land Degradation in Agricultural Areas: www.ms.iswc.ac.cn , lirui@ms.iswc.ac.cn , wafe@ms.iswc.ac.cn , landcon1010@gmail.com	Xian, Shaanxi, China	October 11-15, 2010
1011	International Conference on Cooling the Earth, coolingtheearth2010@rediffmail.com , coolingtheearth2010@gmail.com , drvrsingh@rediffmail.com , www.gbpuat.ac.in	Pantnagar, India	Nov 15-17, 2010
1012a	International Geographical Union (IGU) Commission Seminar on Land Use, Biodiversity and Climate Change dr.mahfuzarahman@gmail.com , http://iguguwahati2010.org	Guwahati, Assam, India	Dec 11-13, 2010
1012b	ASADWA Arid and Semi-arid Development through Water Augmentation, Optimizing water resources in a world of water shortage, www.asadwa.ugent.be . Contact asadwa@ugent.be	Valparaiso, Chile	Dec 13-17, 2010
1101	SWAT SEA II Workshop and Conference: nguyenkimloi@gmail.com http://ssc.hcmuaf.edu.vn	Ho Chi Minh City, Vietnam	January 4-8, 2011
1103	BioWise 2011, an annual event organized by Green World Conferences, Contact: Derek Michalski at dm@greenworldconferences.com , www.greenworldconferences.com	Kuala Lumpur, Malaysia	Mar 14-15, 2011
1107a	2nd Conference on Conservation Agriculture in Southeast Asia , Contact Manuel Reyes at mannyreyes@nc.rr.com	Phnom Penh, Cambodia	July 4-7, 2011
1107b	SWAT Regional Conference and Training Workshop , Contact Li Dingqiang lidingqiang@yahoo.com ; Samran Sombatpanit samran_sombatpanit@yahoo.com	Guangzhou, China	July 24-30, 2011

1112	1st International Symposium on Cashew Nut, Contact: Dr Ravindran, ravi_hort@yahoo.com , http://www.ishs.org/calendar/	Madurai, Tamil Nadu, India	December 9-12, 2011
1209	Sustainable land management and climate changes Contact Miodrag Zlatic at miodrag.zlatic@sfb.bg.ac.rs	Donji Milanovac, Danube region, Serbia	September 17-21, 2012
1306	3rd SWAT SEEA Workshop and Conference (SWAT SEEA III), Contact Syaiful Anwar syaifula09@gmail.com	Jakarta-Bogor, Indonesia	June 16-22, 2013
1312	4th Conservation Agriculture Workshop and Conference for South East Asia (CA-SEA IV), Contact Manuel Reyes mannyreyes@nc.rr.com	Battambang, Cambodia	December 9-13, 2013



SEMEATO

SEMEATO's 45 years of experience, added to the vast knowledge in agriculture practices and constant research for innovation and new technologies continuing to be the major innovator of new concepts in the Agricultural Machinery Industry, spreading No-Till practices.

With a large range of equipment in the segment for various operations, farm sizes, soils and crops, SEMEATO is able to fulfill the requirements of the market and of the more demanding clients with products such as:

- Grain Drills
- Planters
- Air Drills
- Multiple Seeders
- Haymaking line and other related implements

No Tilling around the world

SEMEATO
Built to perform
Built to last longer

Merry Christmas

Happy New Year

WASWAC MEMBERSHIP APPLICATION/RENEWAL FORM (Issued 120501)

(For renewal, please fill in only your name, country, 2 e-mails, year(s) and the amount to pay. Sending the form by e-mail is preferred.)

(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.

(Please ask samran_sombatpanit@yahoo.com if in doubt).

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.

▲ How and where to submit this form and the money: You may send this form by e-mail (preferred), fax or post – and membership due – to:

Dr. Xiaoying Liu. WASWAC Treasurer, c/o IRTCES. No. 20 Chegongzhuang Road West, Beijing 100048, China. Tel: +86 10 68786413; Fax: +86 10 68411174; Email: liuxy@iwhr.com; wawacsecretariat@yahoo.com; waser_secretariat@yahoo.com.cn. Membership fee can be sent through **Check**, **Bank Draft**, **Bank Transfer** and **WESTERN UNION**.

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): Liu Xiaoying

Bank Name and Address: Bank of China Beijing Branch, No. 2 Chao Yang Men Nei Da Jie, Dongcheng District, Beijing, 100010, P R China

A/C NO.: 3467 5879 1740; **Swift code:** BKCH CN BJ 110

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.

