

# WASWAC HOT NEWS 2013 (05) May 2013

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

New information please visit 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



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<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 World Conference II	1
	The first issue ISWCR will be released soon	2-4
	Training Course on Soil/Water Conservation and Dryland Farming for Developing Countries in French	5
Meetings		8-15
Advertisement		4,7,22
News	Working Across Borders to Improve Conservation and Spur Development	6-7
	Launch of the East and Southern Africa GSP	16
	Improved Brick Kiln Technology Promises Benefits for Health, Agriculture, and Climate	17-18
	Conservation Agriculture Cartoon Book	18
Jobs		19-22
Fellowship	CAS-TWAS President's Fellowship Programme For PhD Candidates from Developing Countries	23-26
WASWAC Application Form		27

# **WASWAC World Conference II**

**Date:** September 4-7, 2013

With a post-conference tour to the Eastern part of Thailand during **Sept 8-9 or Sept 8-10, 2013**

**Venue:** Chiang Rai, Thailand

**Topic:** The Threats to Land and Water Resources in the 21<sup>st</sup> Century: Prevention, Mitigation and Restoration

## **Paper and abstract details:**

The work can be presented by either oral or poster. Authors for both modes of presentation are asked to send an abstract first and full paper later. Abstract Please use Cordia New letters, size 14 pt.; it should be between 200-300 words. Full paper should be approx. 10 A4 pages, using the same letter font and size as for the abstract. Posters should carry a size of 90 cm (w) x 120 cm (h), with letter sizes readable from a distance of 2 m. Good proportion between pictures/diagrams and text should be observed. For more details, please contact [sombatpanit@gmail.com](mailto:sombatpanit@gmail.com) and [admin@wreeit.org](mailto:admin@wreeit.org). NOTE: Presented papers will be selected to publish in the Journal of International Soil and Water Conservation Research.

## **Important dates:**

Notification of draft paper acceptance June 15, 2013

Final paper submission due July 15, 2013

Notification of paper acceptance August 1, 2013

Conference date September 4-7, 2013

Post-conference excursion to the East Sept 8-9 or Sept 8-10, 2013

PLEASE DOWNLOAD Registration Form, Full-Paper-Template, Abstract-Template etc. on our official website: [www.waswac.org](http://www.waswac.org)

**Welcome to Chiang Rai**  
**Welcome to Thailand**  
**Welcome to the WASWAC WC II**

# **The first issue ISWCR will be released soon**

After about half-year preparation, we are happy to announce that WASWAC official academic journal – International Soil and Water Conservation Research (ISWCR) will be released within June, 2013.

Efforts from authors who submitted paper(s) to our journal is much appreciated. In order to improve our journal in a great extent, we sincerely hope that more and more papers with high quality can be sent to us and published in ISWCR!

Call for paper submission is as following:

## **ISWCR Call for Papers Submission NOTE:**

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 publish fundamental and applied research concerning all aspects of soil and water conservation and to promote and advocate best soil and water conservation practices around the world.. We publish manuscripts that address theories and practices, biophysical and socioeconomic processes, measurement and modeling techniques in relation to soil and water conservation, for erosion control and runoff retention, environmental protection, and sustainable land and water management in the broad context of global change.

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 via email to: [iswcr@foxmail.com](mailto: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 words or 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(s).

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.*

Milintangul 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.**

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## Training Course on Soil/Water Conservation and Dryland Farming for Developing Countries in French was hold on 10-30 of May 2013 in Yangling, China

The Training Course on Soil/Water Conservation and Dryland Farming for Developing Countries in French was hold on 10-30 of May 2013 in Yangling, China. There are 16 trainees from 10 developing countries. During 3 weeks training they have lectures and field trip on soil/water conservation and dryland farming. WASWAC President Li Rui gave a lecture of Overview of Soil/Water Conservation and Dryland Farming in the World. All of the trainees expressed their strong interest with WASWAC.

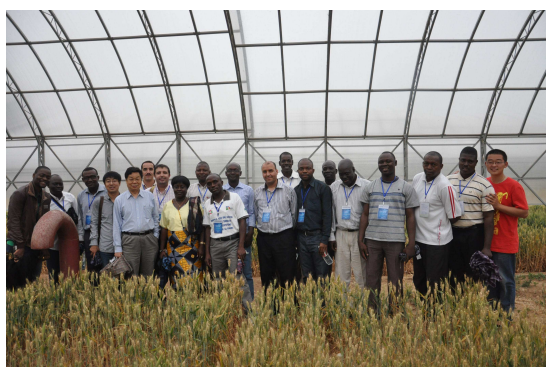
This training course is supported by Chinese government. Every year there is at least one course in English and French respectively.



A group photo of trainees with Professor Li Rui, the president of WASWAC



A discussion in the classroom



Visiting in the experiment laboratory

## **Working Across Borders to Improve Conservation and Spur Development**

MoFSC and ICIMOD work to implement a regional framework for cooperation on important transboundary landscapes.

Recognizing the global and regional significance of transboundary landscapes, the Government of Nepal through its Ministry of Forests and Soil Conservation has been working closely with the International Centre for Integrated Mountain Development (ICIMOD) and partner institutions from Bhutan, China, India, and Nepal to facilitate the development of a regional cooperation framework for developing Transboundary Landscape Conservation and Development Initiatives. Cooperation across borders for the management of landscapes will help preserve the Hindu Kush Himalayan region's unique biological diversity, valuable ecosystem goods and services, and value-based cultural and natural heritage while enhancing livelihood opportunities of the local communities of the most revered and sacred transboundary landscapes in the world, namely Kailash and Kangchenjunga.

In this context and for future cooperation in other landscapes, the Secretary of the Ministry of Forests and Soil Conservation (MoFSC), Dr. Krishna Chandra Paudel, and the Director General of ICIMOD, Dr. David Molden, signed a formal Memorandum of Understanding (MoU) in an official function held today at Hotel Himalaya. Prior to the ceremony, MoFSC held the 2nd National Coordination Committee Meeting for Kailash Sacred Landscape Conservation and Development Initiative, in which several key decisions were taken for the implementation of the programme on ground.

This MoU sets forth areas and modalities of cooperation based on the understanding reached and broad areas identified for focusing the collaboration by both parties. The implementation of this MoU will be effected through agreements with key Nepalese institutions that share the common vision of long-term conservation initiatives based on regional transboundary cooperation and ecosystem management approaches. The Kailash Sacred Landscape Conservation and Development Initiative is the pioneer programme supported by UK Aid and the German Ministry for Economic Cooperation and Development (BMZ) through German International Cooperation (GIZ). This initiative will go a long way in forging transnational cooperation between China, India, and Nepal by proactively engaging them in ensuring the

sustained management of ecosystem services and protecting the welfare of millions of people living both upstream and downstream.

For more information contact

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Copy from: <http://www.icimod.org/?q=10303>

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- Landfill cover and mine closures
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# MEETINGS



## ROLE OF SWAT IN WATERSHED MANAGEMENT PLANNING AND EVALUATION

### 3<sup>RD</sup> SWAT (SOIL AND WATER ASSESSMENT TOOL) WORKSHOP & CONFERENCE



IN SOUTH EAST & EAST ASIA (SWAT SEEA III)  
Jakarta & Bogor, Indonesia, June 16-22, 2013

LANDCON 1306



**Time:** June 16-22, 2013

**Venue:** ICC (IPB International Convention Center), Botany Square, Jl Raya Padjadjaran, City of Bogor

The Soil and Water Assessment Tool (SWAT) is a public domain model jointly developed by USDA Agricultural Research Service (USDA-ARS) and Texas AgriLife Research, part of The Texas A&M University System (TAMUS). SWAT is a river basin-scale model to simulate the quality and quantity of surface and ground water and predict the environmental impact of land management practices on different soil patterns and land use patterns. SWAT is widely used in assessing soil erosion prevention and control practices, non-point source pollution control methods and regional management in watersheds.

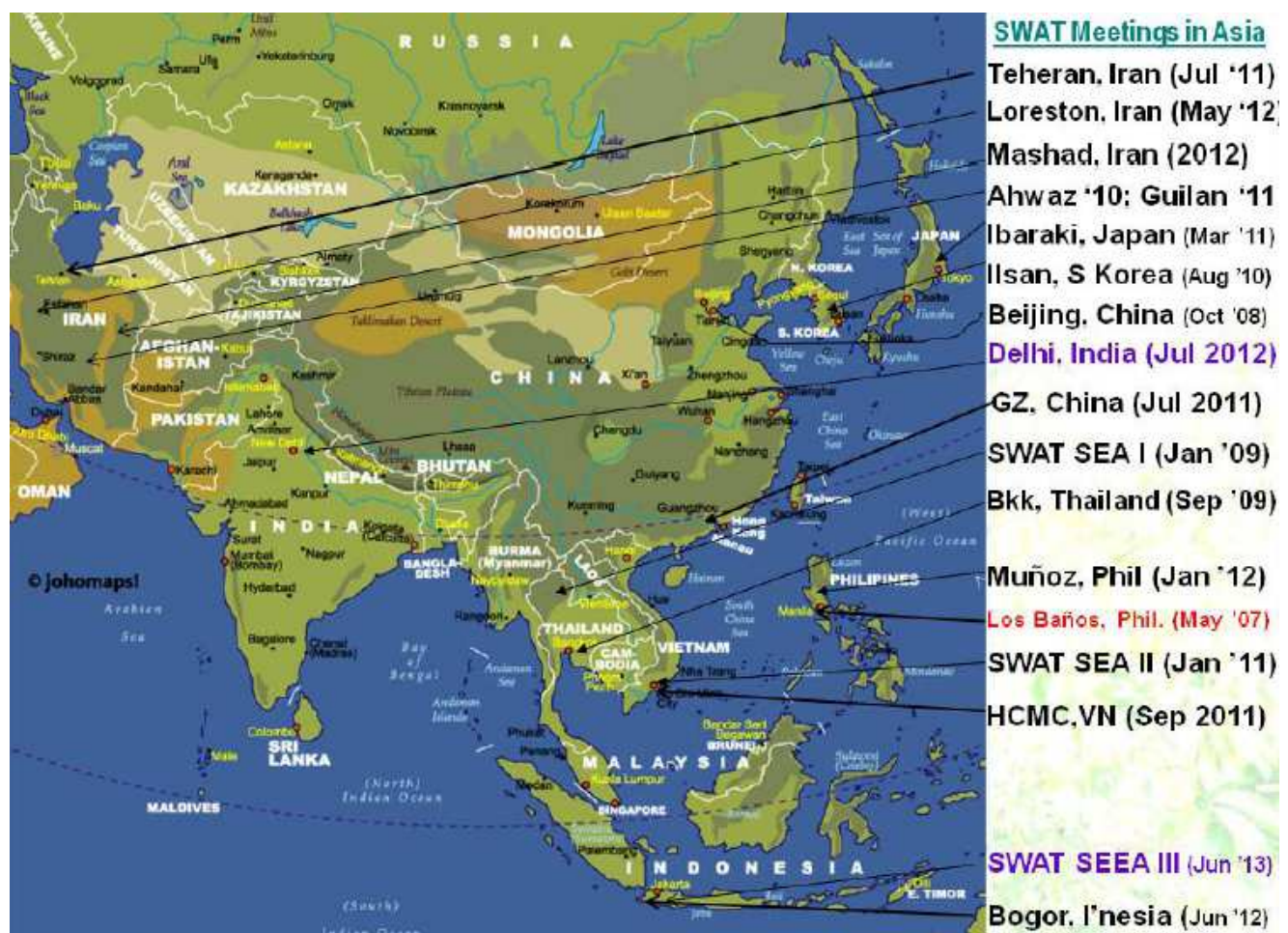
‘SWAT Workshop and Conference’ has been organized successfully in many countries in the past decade (see the diagram next page). NCA&TSU has been maintaining a strong link in holding such activities in South East and East Asia (SEEA) region from 2007-2013.

WASWAC has since 2011 joined forces with the SWAT Team of Texas in spreading the use of SWAT model to more areas that need such technology, by operating in a form that suits their local conditions. This time WASWAC is coordinating with institutions inside and outside Indonesia to organize the 3<sup>rd</sup> SWAT Workshop and Conference for South East and East Asia (SWAT SEEA III). We invite all interested persons to attend. SWAT model has been popular due to the fact that the model is in the public domain and has

ability to simulate a watershed of any size, from a few ha to a large continent. Therefore there is a substantial demand from scientific communities to learn about its application in various conditions. The Ministry of Forestry of the Republic of Indonesia and the Bogor Agricultural University – with support from the Texas SWAT team, NCA&TSU and WASWAC – are going to organize the SWAT SEEA III in Bogor, Indonesia, from June 17-22, 2013. The event will start with the opening ceremony of the World Day to Combat Desertification, followed with a 2-day conference in Bogor that includes a workshop for beginners and advanced participants, and end with a 2-day excursion to nearby areas where SWAT is being used for studying a watershed – plus a few places to experience the landscape of West Java Province.

The meeting has been registered as LANDCON 1306 by WASWAC as the organizing will follow the direction indicated in the Guidelines for Successful Meetings (2009)

<http://waswac.soil.gd.cn/consti-decentra.html>



## PROGRAM

June 16, 2013, Arrival, all participants transfer to Bogor.

June 17, morning: Participants attend the Celebration of the World Day to Combat Desertification 2013.

June 17, afternoon: Visit to the Presidential Palace and Royal Botanical Garden in Bogor Evening:  
Workshop Day-1

June 18-19: 3th SWAT Workshop and Conference for South East and East Asia (SWAT SEEA III).  
Workshop that include training and discussions in various issues will take place during the evenings of 17, 18, 19 June from 19.00-22.00 hrs.

June 20: Visit National Monument and Miniature Indonesia etc. in Jakarta

June 21: Visit Safari Park and Gede Pangrango Mountain National Park.

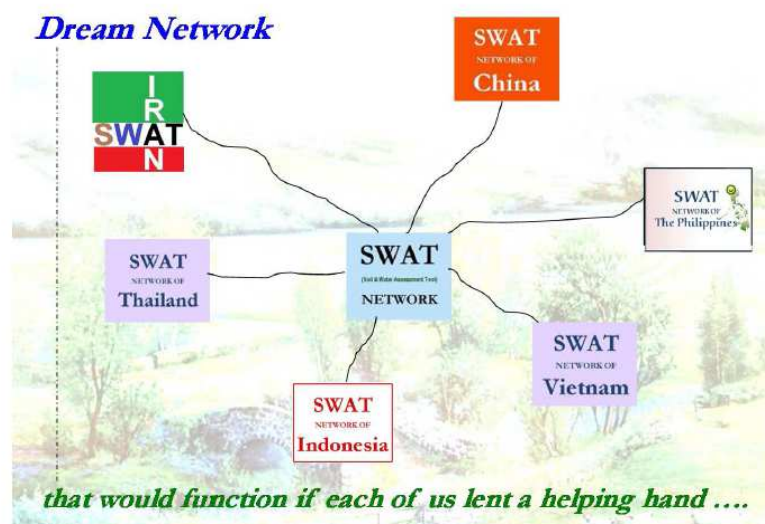
June 22, 2013: Departure

### PERSONS TO CONTACT

You may Contact Dr. Syaiful Anwar (syaifula09@gmail.com, Phones: +62-(0)215730151, +62-(0)811900316) as well as other 5 following co-chairs:

- Prof. Kukuh Murti Laksono, Department of Soil Science, Bogor Agricultural University, Bogor, Indonesia, Co-chair murti laksono@yahoo.com
- Prof. Naik Sinukaban, Indonesian Soil and Water Conservation Society, Bogor, Indonesia, Co-chair naik\_sinukaban2003@yahoo.com, ns\_kaban@yahoo.com
- Dr. Philip Gassman, Iowa State University, USA, Co-chair pwgassma@iastate.edu
- Dr. Manuel Reyes, North Carolina Agricultural & Technical State University, USA, Co-chair mannyreyes@nc.rr.com
- Dr. Samran Sombatpanit, WASWAC Advisor & Past President, Bangkok, Thailand, Co-chair sombatpanit@gmail.com

LET'S CREATE MANY MORE SWAT NETWORKS FOR SUCCESSFUL AND TIMELY  
CONSERVATION OF OUR NATURAL RESOURCES





# 5th International Climate Change Conference: London 26-30 June 2013

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## Conference Focus

The Climate Change Conference is for any one with an interest in, and concern for, scientific, policy and strategic perspectives in climate change. It will address a range of critically important themes relating to the vexing question of climate change. Plenary speakers will include some of the world's leading thinkers in the fields of climatology and environmental science, as well as numerous paper, workshop and colloquium presentations by researchers and practitioners.

We are inviting proposals for paper presentations, workshops/interactive sessions, posters/exhibits, or colloquia. Virtual participation is available for those who are unable to attend the conference in person.

Proposal ideas that extend beyond these thematic areas below will also be considered:

## Theme 1: Scientific Evidence

What is evidence is there of climate change?

- Paleoclimatology: the earth's climate in a long view

- Climate change today: examining the data

- Ice cap reduction and glacial melt

- Sea level change

- Floods, drought, forest fires, hurricanes and other sporadic events

- Albedo or measuring the earth's reflectiveness

- Meteorology and climate informatics

- Equilibria and disequilibria: change processes and countervailing tendencies

- Climate measurement processes, methodologies and technologies

- Reading complex, dynamic and unstable systems

- Developing local and global climate models

- Change scenarios: slow, rapid, abrupt or episodic

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## Theme 2: Assessing Impacts in Divergent Ecosystems

What are the impacts of climate change on natural environments?

- Ocean currents and el Niño

- Riverine ecosystem impacts

- Mountain ecosystem impacts

- Coastal ecosystem impacts

- Marine ecosystem impacts

- Forest and grassland ecosystem impacts

- Impacts on wilderness and protected areas

- Impacts on specific biomes

- Impacts on biodiversity, potential extinctions

- Hardiness zone migration

- Regional variations: temperature and rainfall

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### Theme 3: Human Impacts and Impacts on Humans

What evidence is there that human activity has contributed to climate change, and what are the impacts of climate change on human life?

Anthropogenic factors in climate change: determining the relative contribution of natural and human causes

Impacts of carbon dioxide and other greenhouse gases

Land use patterns, agriculture and livestock husbandry and deforestation as factors in climate change

Impacts on humans: agriculture, fish stocks, food supply, health

Human settlements and sea level rise

Impacts on humans: water resources, desertification

Impacts on humans of intense weather events, natural disasters and ecological surprises

Impacts of climate change in the developing world

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### Theme 4: Technical, Political and Social Responses

How do scientists, technologies, policy makers and community members respond to climate change?

Environmental policies in response to climate change

Controversy and denial: politics, the media and scientists with dissenting views

The international politics of climate change

The past, present and future of international agreements

Education and awareness for management of global climate change

Protected areas and preservation of biodiversity: 'corridorizing' and other strategies

Strategies for sustainability

Human adaptive strategies

Technologies of mitigation: carbon dioxide sequestration, solar shades and other processes

Alternative and renewable energy sources: technologies, policies and strategies

Carbon taxes, offsets and trading

Emission standards

Climate ethics and the precautionary principle

Eco-development, eco-efficiency

Music, Climate Change, Environment and Art

---

Submissions are welcomed that cross more than one thematic area. Please suggest additions and changes and email: [drjohnnorris@aol.co.uk](mailto:drjohnnorris@aol.co.uk)





## Time

July 7<sup>th</sup>-11<sup>th</sup> 2013

## Venue

Lleida, Catalonia, Spain

## Conference communications

These last weeks we have been working hard together with John Stafford, the Editor, to finish the Proceedings. Now it is turn for the Wageningen Academic Publishers to have them printed on time. We are sure they are doing their best although some of the papers have delayed the process! We are really enthusiastic about the final figures; this time, the Proceedings are compiling 100 papers and we are expecting about 90 posters!! Moreover, to date we have more than 220 registrations!!

We are now distributing the technical sessions and the oral communication within the program. Be aware of the program webpage updates in the following days!

Regarding the poster submission, we have decided to extend the deadline until May 10th AT MOST. We remind you that POSTER ABSTRACTS must be submitted using the MSWord template provided at [www.ecpa2013.udl.cat/papers\\_posters.html](http://www.ecpa2013.udl.cat/papers_posters.html). As mentioned in previous calls, we are also expecting you to submit your poster design in order to publish a complete and high quality Book of Posters (electronic publication with ISBN). Follow the instructions and use the MSPowerpoint poster templates! Remember to check the list before submission.

ATTENTION! In order to have the poster included in the Book of Posters, authors MUST be registered (and have paid) by May 10th AT MOST. Remember that each fully or student registered attendant can present a maximum of two communications (either oral or poster).

## Travel planning

It is time now to plan your trip if you have not done it yet. Visit the Venue - Directions webpage for details. We inform you that the organization is not providing especial transport to the attendees. You should look for transportation to Lleida and book it on your own.

Please, bear in mind that we are all meeting on Sunday July 7th at 19:30h for an exclusive guided tour and for the Conference Welcome Reception at the Seu Vella (our old cathedral). If late, you can always take a taxi (it is only 5 to 10 minutes).

## Evening Events

We are designing a program to enable spontaneous meetings as well as to promote social relationships during the conference. To this purpose, we are working on offering you especial Evening Events to attend after the technical sessions. These Evening Events will consist of short and relaxing low-cost experiences nothing to do with Precision Agriculture but with amusement (visit to a local brewery, Catalan/Spanish cooking workshop, sports, cultural exchange,...). They will also be open to the accompanying persons. In short, you will receive a detailed offer and we will ask you about your choice.

## Partner program

The 9ECPA is also offering a Partner program. There will be guided tours within the town and its surroundings for accompanying persons every day (Monday to Thursday) from the morning until the afternoon (including lunch). The program will finish around 18h so that it will be possible for the attendees to join the Evening Events after the conference technical sessions. Check the website for updates in the following days.

### Topics

- Soil and crop proximal sensors
- Remote sensing applications in precision agriculture
- Spatial variability and mapping
- Variable-rate application equipment
- GNSS, guidance systems and machinery
- Robotics and new technologies
- Management, modelling and decision support systems
- Precision crop protection
- Advances in precision fructiculture/ viticulture/ citriculture/ oliviculture and horticulture in general
- Advances in precision irrigation
- Experimental designs and data analyses
- Economics and sustainability of precision agriculture
- Emerging issues in precision agriculture (energy, life cycle analysis, carbon and water footprint, etc.)
- Practical adoption of precision agriculture
- Education and training in precision agriculture

More details at: [http://www.ecpa2013.udl.cat/seventh\\_call.html](http://www.ecpa2013.udl.cat/seventh_call.html)

## 6th World Congress on Conservation Agriculture



### TIME and VENUE

June 22-27, 2014; Winnipeg, Manitoba

### THEMES

#### **Conservation Agriculture and Sustainable Intensification**

As world population grows, the demand for food, fuel and fiber will grow. CA will allow producers to

intensify their cropping systems to increase production sustainably without undue expansion in land area devoted to agriculture.

### **Conservation Agriculture and Climate Change**

A well-designed CA system contains a diversity of crop types and healthy soils that give producers more options for adjusting to changes in rainfall patterns or growing-season temperatures while also contributing to climate change mitigation.

### **Conservation Agriculture and Innovative Adoption**

The best teacher of interconnected farming practices is someone who has successfully mastered them. Innovative CA practitioners, researchers and service providers will share their experience and knowledge.

### **CALL FOR PAPERS**

Proposals for oral and poster presentations are to be submitted <http://www.ctic.org/WCCA/abstracts/> following the guidelines for submission by Sept. 1, 2013. All submissions will be reviewed and the corresponding author notified after review by the program committee by Oct. 15, 2013. Program for the 6th World Congress on Conservation Agriculture will be available by Jan. 15, 2014.

### **WCCA Schedule**

#### **June 22**

Registration

Evening Reception

#### **June 23-25**

Conference at Winnipeg Convention Center

Evening Events at:

Richardson Kelburn Farm

#### **June 26**

Morning Reception

#### **Departure for Tours:**

One-day Canadian Tour

Three-day U.S. Tour

### **MORE DETAILS**

<http://www.ctic.org/WCCA/>



## AFRICAN CONSERVATION TILLAGE NETWORK

*Partnering for improved food security, a better environment and regional development*

### Launch of the East and Southern Africa Global Soil Partnership (GSP)

ACT, participated in the launch of the Global Soil Partnership in the East and South Africa region held from 25th to 27th March 2013 in Nairobi, Kenya and organized by FAO in cooperation with CIAT.

East and Southern Africa GSP is a newly established regional network of the new Global Soil Partnership for Food security and Climate Change Adaptation and Mitigation. The launch was attended by participants from 21 national and regional soil institutions and initiatives who presented the status, needs and priorities for sustainable soil management in their countries. The workshop prepared “The Nairobi Communiqué” in which the urgent need to promote the sustainable management of soils for the current and future generations was expressed. The starting point was establishment of the Global Soil Partnership in the region to undertake five main priority actions identified as: (i) Developing, updating and disseminating harmonized national and regional soil information, (ii) Developing and implementing training and capacity development programs, (iii) Guiding and enabling the implementation of sustainable soil management practices and restoration of soil health, (iv) Addressing soil degradation and (v) Establishing linkages and networks with other initiatives that impact soil health.

For more information, and how to become a partner, visit: <http://www.fao.org/globalsoilpartnership/>

#### Brief introduction about GSP:

### Global Soil Partnership

**The vision:** Improve governance of the limited soil resources of the planet in order to guarantee healthy and productive soils for a food secure world, as well as support other essential ecosystem services, in accordance with the sovereign right of each State over its natural resources. The GSP should become an interactive and responsive partnership.

**The mission:** Develop awareness and contribute to the development of capacities, build on best available science, and facilitate/contribute to the exchange of knowledge and technologies among stakeholders for the sustainable management and use of soil resources.



**GLOBAL SOIL  
PARTNERSHIP**

## **Improved Brick Kiln Technology Promises Benefits for Health, Agriculture, and Climate**

Kathmandu, Nepal, 10 May 2013 – Two days of discussion here among experts from 11 countries have concluded that significant progress is possible against the health, agriculture and climate damage caused by much of the brick production in the world.

Participants at the “South-South Exchange Workshop on Brick Technology and Policy” identified solutions, such as modern brickmaking technologies, which produce far less pollution than older technologies; alternative building materials, such as fly ash; and increased political recognition of the problems, especially in the major brick making countries of Asia, Latin America, and Africa.

Participants also emphasized the importance of inter-ministerial coordination among ministries of housing, industry, health, agriculture and environment to achieve large-scale reductions at the national level.



Bricks are a primary construction material used in many regions, and brick production is known to be a highly polluting activity, resulting in emissions of short-lived climate pollutants (SLCPs), such as black carbon, along with a range of other pollutants.



The Workshop was convened by the Climate and Clean Air Coalition to Reduce Short-Lived Climate Pollutants (CCAC) and jointly hosted by the National Institute of Ecology in Mexico and the International Centre for Integrated Mountain Development (ICIMOD) in Kathmandu.

In his opening address, Secretary Krishna Gyawali of the Ministry of Industry in Nepal emphasized the urgency of the problem, noting that the brick sector consumes more than 50 percent of the total coal in Nepal. He noted the importance of continued research on black carbon by ICIMOD and others in relation to the melting of the Himalayas and glaciers around the world. “It is time now to accelerate mitigation of black carbon and other pollutants from key sources, such as brick kilns,” he said.

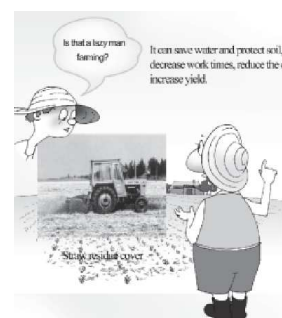
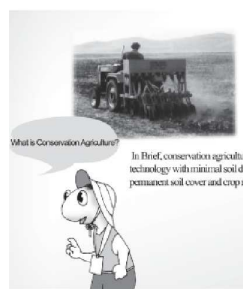
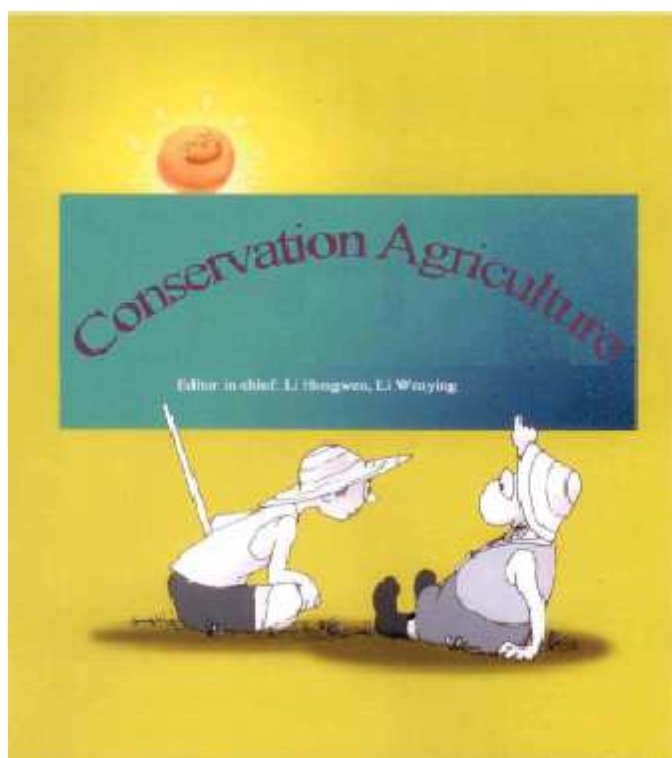
The majority of brick kilns in operation are traditional kilns, also referred to as artisanal kilns. The primary fuels used to fire the bricks are coal, wood, local biomass and any available low-cost fuel or scavenged fuel, such as bunker fuel, waste oil, used tires, sawdust, plastics, battery cases and dung. Limited access to electricity makes it a challenge to modernize and mechanize the sector.

The CCAC will carry on the discussion and consider priorities for reducing SLCPs from brick production at its next meeting in July 2013.

For more information, please contact:

Nick Nuttall, Director, UNEP Division of Communications and Public Information/UNEP Spokesperson on +254 733 632755, [nick.nuttall@unep.org](mailto:nick.nuttall@unep.org) or visit [www.unep.org/ccac](http://www.unep.org/ccac)

## Conservation Agriculture Cartoon Book



This cartoon book with multi-language can be downloading at:

<http://www.cn-ct.net/index.aspx?menuid=11&type=model&lanmuid=63&language=en>

# **JOBS**

## **1. Graduate Geotechnical Engineer**



Soils Limited is looking for a Graduate Geotechnical Engineer to join their busy Southampton Office. Work will include writing Desk Study reports, reviewing, interpreting and presenting geotechnical and environmental data, site supervision and assisting with the preparation of interpretative reports. The candidate should have excellent communication and written skills and have analytical and numerical abilities. They should be willing to learn and be self-motivated.

Soils Limited is an established geotechnical and geo-environmental consultancy whose clients include the public sector as well as commercial and residential developers. We are also active in both the renewables and rail sectors.

### **Responsibilities**

- Responsibilities of this role include, but are not limited to:
- Assisting with the preparation of documentation relating to projects;
- Preparing geotechnical calculations, drawings, specifications, reports and other project documentation as required in line with company and client requirements as well as national standards and codes of practice;
- Participating in the resolution of technical issues;
- Gaining experience and proficiency in Soils Limited systems and procedures;
- Becoming familiar with, and compliant with, the companies H & S policy and relevant H & S regulations and to promote a culture of awareness within the team;
- Building relationships with Clients on projects;
- Performing other duties and responsibilities as required from time to time by your manager.

### **Education**

- BEng/BSc in Engineering Geology or Civil Engineering with a geotechnical bias.

### Skills and Experience

- Relevant research / dissertation topic on geotechnical engineering or soil mechanics as part of B.Eng;
- Experience within the industry from an industrial placement;
- Commitment to gaining / improving experience and skills in both technical and commercial areas and a desire to obtain professional qualifications;
- Good report writing skills;
- Excellent communication and motivation skills;
- Confident and outgoing individual, a problem solver i.e. "Can-do" attitude;
- Team player and self-starter;
- Flexible to travel in UK and working away from base office;
- Full UK driving license.

### Contact

Please send your CV with a covering letter to Robert Ainsworth [ra@soilslimited.co.uk](mailto:ra@soilslimited.co.uk). If you would like an informal chat please call Rob on 02380696456.

## 2. Ecosystem Modeller



Salary Band D £27,792 - £29,566 per annum

Salary Band E £35,282 - £37,534 per annum

We are seeking an experienced Ecosystem Modeller to contribute to our environmental sustainability research programme. By developing links with empirical scientists and other modellers working at a range of scales, both within the James Hutton Institute and with external national and international research groups, you will make your mark by furthering our understanding of the impacts of climate, management and land use change on above- and below-ground carbon and nutrient dynamics in both semi-natural and agricultural systems. An important role will be in the development and evaluation of innovative land management strategies to directly contribute to GHG emission reduction targets, and in providing relevant evidence to policy makers.

The successful candidate should have a PhD directly relevant to simulation modelling, demonstrable experience in modelling vegetation and soil processes and a track record of high quality scientific publications in this area. Expertise in spatial analysis and experience in interdisciplinary working and interacting with external stakeholders would all be advantageous.

\* For appointment at the higher grade evidence of the ability to attract external research funding is required.

This post is based in Aberdeen but there may be a requirement to travel between sites.

Further information is available from [www.hutton.ac.uk/careers/ecosystem-modeller](http://www.hutton.ac.uk/careers/ecosystem-modeller)

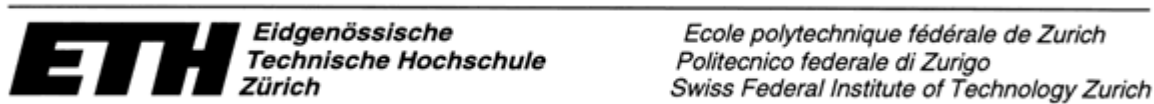
To apply please submit a covering letter and CV, (including the names and addresses of 3 referees one of which must be your current or most recent employer) by e-mail, please click the APPLY NOW button below, or by post to HR Office Dundee, Invergowrie, Dundee, DD2 5DA by Friday 7 June 2013.

Please quote reference number JHI 25-13 in all correspondence.

The James Hutton Institute

Tel: 0844 928 5428

### **3. Postdoc or Research Associate Position in Rockslide Processes Research**



The Chair of Engineering Geology at the ETH Zuerich is looking for a junior or senior research associate in rockslide processes research. The successful candidate must have a Ph.D. or equivalent degree in earth sciences, civil engineering or related field. Excellence in research, experience in field investigations and modeling, and fundamental understanding of hydraulic, mechanical or thermal processes in fractured rocks are of prime importance. A cutting-edge research record related to rock slope or landslide processes at various spatial or temporal scales is desirable.

The candidate will be expected


- (1) to teach one or two classes in a landslide related field,
- (2) to develop funded research programs addressing geomechanical or hydromechanical processes in fractured rock slopes,
- (3) to supervise undergraduate and graduate students and their thesis work, and
- (4) to support students in the use of our comprehensive field or lab testing equipment.

This ETH position with an attractive pool of field and lab equipment can be filled by the successful candidate in fall or winter 2013 over a period of about 6 years.

The Chair of Engineering Geology is a multidisciplinary research and teaching unit devoted primarily to the study of hydromechanical processes in the subsurface within the context of deep underground constructions, unstable slopes, geothermal energy and deep geological waste disposal. Further information about the Chair of Engineering Geology is available at our Web Site [www.engineering-geology.ethz.ch](http://www.engineering-geology.ethz.ch). Questions related to the open position can be addressed to Prof. Dr. Simon Löw, Chair of Engineering Geology, ETH Zurich, Switzerland (e-mail: [simon.loew@erdw.ethz.ch](mailto:simon.loew@erdw.ethz.ch)).

Please send your application per regular mail (not e-mail), including cover letter, curriculum vitae with full personal and career details, key publications, statement of research interests, and 2 letters of recommendation to ETH Zurich, Prof. Dr. Simon Löw, Engineering Geology, Sonneggstrasse 5, CH-8092 Zuerich, Switzerland. Applications should be submitted until June 30th, 2013 and will be accepted until the position is filled.

More details at: <http://www.earthworks-jobs.com/geoscience/ethz13051.html>



[SOUND PRINCIPLE NO. 31]

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## **CAS-TWAS President's Fellowship Programme For PhD Candidates from Developing Countries**

According to a new agreement between the Chinese Academy of Sciences (CAS) and the Academy of Sciences for the developing world (TWAS), up to 140 students/scholars per year from the developing world will be sponsored to travel to China for up to four years' of PhD study and research.

The CAS-TWAS President's Fellowship Programme provides students/scholars from developing countries with the opportunity to pursue PhDs at University of Chinese Academy of Sciences (UCAS), the University of Science and Technology of China (USTC) and/or institutes of CAS around China.

Under the terms of the new CAS-TWAS agreement, TWAS will be responsible for providing round-trip travel support for 50 awardees each year to and from China, or for providing one way travel support for 80 awardees each year to China. TWAS will make active efforts to secure additional funds to cover more awardees for travel supports. In addition, TWAS will also cover visa related expenses and a contribution to excess luggage fees for stays in China of more than 12 months.

CAS will be responsible for a monthly payment to cover accommodation and living expenses. Successful applicants will receive a monthly stipend (including living expenses, travel expenses and health insurances) of RMB 7,000 (approx. USD 1,100) or RMB 8,000 (approx. 1,250) from CAS through UCAS, depending on whether he/she has passed a qualification test arranged by UCAS for all PhD candidates after admission.

Awardees of the Fellowship will be exempted from tuition fees.

**The funding duration of the Phd Program is 4 years, divided into:**

- ✦Maximum 1 year study of courses and participation in centralized training at the International College of UCAS (IC-UCAS) on Beijing campus, including 4 months compulsory courses in Chinese Language and Culture.
- ✦Practical research and completion of degree dissertation at UCAS colleges, schools and CAS institutes.

**General conditions for applicants:**

Applicants should:

- ✦ Not take up other assignments during the period of his/her this fellowship
- ✦ Be a national or permanent resident of a developing country other than China.
- ✦ Be financially responsible for any accompanying family member

Applicants for PhD Study Scholarship should also:

- ✦ Meet the admission criteria set for international students by UCAS (please refer to <http://english.ucas.ac.cn/Admissions/Pages/Article.aspx?ID=78>)
- ✦ Be maximum age of 35 years on 31 December in the year of application
- ✦ Have a master degree or in process of obtaining a master degree
- ✦ Provide evidence that he/she will return to their home country on completion of the fellowship
- ✦ Demonstrate their communication ability in the English or Chinese language
- ✦ Have recommendation letters from a TWAS Fellow or two professors in relevant fields.

### How to apply for the Fellowship

1. Download and fill in the “Admission Application Form for International Students of UCAS”

(<http://english.ucas.ac.cn/Admissions/Pages/Article.aspx?ID=78>) and “Application Form for the CAS-TWAS President’s Fellowship” (See the attachment), and submit these two application forms (Supervisor’s Comment Pages not to be included) with the following materials to the Office of CAS-TWAS President’s Fellowship Programme at UCAS:

- ✦ Notarized photocopy of the highest degree certificate (This year's graduates provide a pre-graduation certificate)
- ✦ Notarized photocopy of the transcript of all undergraduate or graduate study
- ✦ Curriculum vitae and research proposal
- ✦ Photocopy of the first page of a regular passport
- ✦ Photocopy of the title page and abstract of each published academic paper
- ✦ Foreigner Physical Examination Form
- ✦ Payment certification of the application processing fee (RMB 600, see the “Admission Application Form for International Students of UCAS” for more details).

Note: Applicants may submit scanned copies of the required application document via email. After receiving the offer of the scholarship, applicants are required to send the original notarized photocopy of their highest degree certificate and the original notarized photocopy

of the transcript of their undergraduate or graduate study to IC-UCAS. The detailed requirements and contact information of IC-UCAS will be provided in the admission offer documents sent to the awardees.

2. Contact professors affiliated with UCAS colleges, schools and CAS institutes (<http://englishucas.ac.cn/Academics>) and get agreement from a Professor to be your tutor (supervising professor).

3. Send the Supervisor's Comment Pages in the "Application Form for the CAS-TWAS President's Fellowship" to your tutor (supervising professor), and ask him/her to fill in the comment pages. Make sure that your tutor (supervising professor) will send the comment pages directly by himself/herself to the Office of CAS-TWAS President's Fellowship Programme at UCAS.

4. Obtain recommendation letter(s) from a TWAS member (see the <http://twas.ictp.it/mbrs> for TWAS members list) or from at least two professors in relevant fields. Make sure that your recommenders will send the recommendation letters directly by themselves via mail or email to the Office of CAS-TWAS President's Fellowship Programme at UCAS .

5. The applicants who really need fund for international travel to and from China, should make a written statement and send the paper together with the "Application Form for the CAS-TWAS President's Fellowship" to the Office of CAS-TWAS President's Fellowship Programme at UCAS. CAS will coordinate with TWAS to process and make decision on travel support issues.

**Application Deadline:** June 15, 2013

✦The program has two evaluations each year, one of which is held around the end of April while the other at the end of June, with specific dates to be determined.

✦Early applications are preferred.

**Contact Information:**

Office of CAS-TWAS President's Fellowship Programme

University of Chinese Academy of Sciences

Add.: 19A Yuquanlu, Beijing, 100049 China

Tel: 86-10-88256424; 86-10-88256206

Fax: 86-10-88256207

E-mail: [president-fellowship@ucas.ac.cn](mailto:president-fellowship@ucas.ac.cn)

### Relevant Information :

CAS is a national academic institution in China consisting of a comprehensive research and development network, a merit-based learned society and a system of higher education, focusing on natural sciences, technological sciences and high-tech innovation in China. It has 12 branches, 2 universities and more than 100 institutes with around 60,000 staff and 50,000 postgraduate students. It hosts 89 national key labs, 172 CAS key labs, 30 national engineering research centers and about 1,000 field stations throughout China. As a merit-based society, it has five academic divisions. CAS is dedicated to addressing fundamental, strategic and farsighted challenges related to the overall and long-term development of China. CAS and TWAS have long had a close and productive relationship, often involving TWAS's Regional Office for East and Southeast Asia (<http://www.twas.org.cn/twas/index.asp>).

Read more about CAS: <http://english.www.cas.cn/>

UCAS is a research-intensive university with around 40,000 postgraduate students, supported by more than 100 institutes (research centers, laboratories) of the Chinese Academy of Sciences (CAS), which are located in 25 cities throughout China. Founded in 1978, it was originally named the Graduate University of the Chinese Academy of Sciences, the first graduate school in China with the ratification of the State Council., UCAS is headquartered in Beijing with 4 campuses and is authorized to grant doctorate degrees in 39 primary academic disciplines, offering degree programs in ten major academic fields, including science, engineering, agriculture, medicine, education and management science. UCAS is responsible for the enrollment and centralized management of the PhD candidates of the CAS-TWAS President's Fellowship Programme.

Read more about UCAS: <http://www.gucas.ac.cn/site/1>

TWAS is an autonomous international organization, founded in 1983 in Trieste, Italy, by a distinguished group of scientists from the South under the leadership of the late Nobel laureate Abdus Salam of Pakistan. It was officially launched by the secretary-general of the United Nations in 1985. Its principal aim is to promote scientific capacity and excellence for sustainable development in the South. Read more about TWAS: <http://twas.ictp.it/>

Related Attachments Please Download at:

<http://www.waswac.org/newsShow.asp?fileSort=20&id=272>

## 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](mailto: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 60<sup>th</sup> 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](mailto:liuxy@iwhr.com); [waswacsecretariat@yahoo.com](mailto:waswacsecretariat@yahoo.com); [waser\\_secretariat@yahoo.com.cn](mailto: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.

