

WASWAC HOT NEWS 2013 (04) April 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



Join us

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

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

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Final Paper should be Submitted to WASWAC World Conference II by May 15, 2013

BRIEF INFORMATION ON 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: Rimkok Resort Hotel, Chiang Rai, Thailand

Topic: The Threats to Land and Water Resources in the 21st 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 and admin@wreeit.org. NOTE: Presented papers will be selected to publish in the Journal of International Soil and Water Conservation Research.

Important dates:

Deadline of the draft paper May 15, 2013

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

Editorial Board Directors' Administration Meeting of ISWCR was held in Beijing

The International Soil and Water Conservation Research (ISWCR) Journal Editorial Board Directors' Administration Meeting was held in Beijing on 19 March, 2013. At the meeting the administrative issues of Journal were discussed and adopted, some of them are following.

1. The Mission of ISWCR

As the journal of World Association of Soil and Water Conservation (WASWAC), the International Soil and Water Conservation Research (ISWCR) is sponsored and published by International Research and Training Center on Erosion and Sedimentation (IRTCES) and China Water & Power Press (CWPP). The mission of ISWCR is to build an international academic communication platform comprehensively reflecting frontiers and trends timely, reporting research achievements of scientific theories, innovation technologies and applications, and promoting development and prosperity actively of soil and water conservation in the world.

2. The Edition Format Design of ISWCR

The Edition of ISWCR will be designed with A4 size and total 80 pages per issue, and 4 issues per year. The price is \$40 each copy.

3. The Organization structure of Editorial board

The Editorial Board is consists of the Director, Deputy Directors, Chief Editor, Associate Chief Editors, and Board Members. Each term of office is 3 years and it is available for all members to be re-appointed continually. The first term of office is from January 1 of 2013 to December 31 of 2015.

The meeting adopted the nominated candidates of Editorial Board by WASWAC council. The nominated candidates were selected from the world. Prof. Li Rui officially received the certificate of Chief Editor for ISWCR from Prof. Liu Ning, the Vice Minister of Water Resources of P.R China.



Prof. Liu Ning, Vice Minister of the Ministry of Water Resources of P.R.China



Participants for the Meeting

Training Course on Soil and Water Conservation for Developing Countries was held in Yangling, China

Training Course on Soil and Water Conservation for Developing Countries was held on 2-22 of April 2013 in Yangling, China. There are 18 trainees from 11 developing countries. During 3 weeks training they have lectures and field trip on soil and water conservation. WASWAC President Li Rui gave a lecture of Overview of Soil and Water Conservation 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



Mr. Maharj Yogesh Chand from Fiji is talking about the situation of soil and water conservation in his country

MEETINGS

• **ISCO COLOMBIA 2013** •



PLACE: Plaza Mayor Conventions Center | City of Medellín | Calle 41 no. 55-80

DATE: July 8th to 12th/ 2013

TOPICS:

CENTRAL TOPIC: - Environmental Sustainability Through Soil Conservation.

SPECIFIC TOPICS:

- Physical, chemical, biological and hydrological processes related to natural disasters
- Soil use changes, land planning and mining in the conservation and degradation of soils and water
- Climatic change, Carbon dioxide capture and production of bio combustibles in soil degradation.

ORGANIZING COMMITTEE:

ISCO

Escuela de Ingeniería de Antioquia (EIA) (THE SCHOOL OF ENGINEERING OF ANTIOQUIA)

SPONSORS:

Sociedad Colombiana del Suelo (Colombian Society for Soil Sciences)

Universidad Nacional (National University)

MORE INFORMATION: <http://iscocolombia2013.com/ingles/index.html>

12th International Symposium on River Sedimentation



Date: Sep. 2-5, 2013

Venue: KYOTO TERRSA, Kyoto, Japan

Summary: Erosion and sedimentation processes in river catchments as well as their management are of global importance. The social, economic, environmental and political impacts of these processes are significant. They pose great challenges for our human society on the way to the mid-21st century. The issue calls for integrated and sustainable solutions. On behalf of the entire Local Organizing Committee, we would like to take our great pleasure in inviting you to the 12th International Symposium on River Sedimentation (ISRS2013), September 2-5, Kyoto, Japan. Organized triennial from 1980 under the auspices of IRTCES (the International Research & Training Center on Erosion and Sedimentation), the ISRS symposia have been successfully held in China, USA, Germany, India, Egypt, Hong Kong (China), Russia and South Africa, the symposium series provide an important forum for scientists, engineers and policy-makers to exchange ideas, share information and make collaborations. Japan experienced and is still experiencing a lot of challenges in erosion and sedimentation. With the rapid change of global climate, there is a greater demand on the improvement of sediment management know-how and practices. The Kamo River in the city of Kyoto provides an excellent demonstration on typical sediment-related problems & management methods in Japan. As the location resulted in the famous Kyoto Protocol to the UN Framework Convention on Climate Change, we hope that the 12th ISRS in Kyoto will also become an event of special meaning. Kyoto University is one of the leading institutions in research & education on sediment hydraulics, erosion control engineering and river morphology. The University has a staff of well reputed scholars, capable students and is located in an excellent environment with advanced facilities.

The city and the university are ready to welcome participants from all over the world.

The online abstract submission system is open NOW and will be closed on 31 August, 2012. Accepted abstract will require a full paper to be submitted. Full papers will be peer-reviewed and be published in the symposium proceedings. ISRS2013 features Best Paper Award and Young Researcher Paper Award to award authors with superior quality paper submission to the symposium. Selected papers will be considered for a possible publication in the International Journal of Sediment Research.

Organizer: Research Center for Fluvial & Coastal Disasters Disaster Prevention Research Institute, Kyoto University

Sponsors: International Research and Training Centre on Erosion and Sedimentation (IRTCES); World Association for Sedimentation and Erosion Research (WASER)

Co-Sponsors: UNESCO; International Sediment Initiative (ISI); IAHR; Japan Society of Civil Engineers

(JSCE); Japan Society of Erosion Control Engineering (JSECE); Japan Society for Natural Disaster Science (JSNDS); Japan Society of Dam Engineers (JSDE); Ecology and Civil Engineering Society (ECES); Japan River Association (JRA) Secretariat: Kyoto University Permanent Secretariat: IRTCES Theme and

Topics: The theme of the symposium is Integrated Sediment Management for River Basin Sustainability: Challenges & Prospects towards Mid-21st Century Under this theme, the symposium topics include

1.Integrated sediment management in river basin scale 2.Sediment yield 3.Sediment transport & morphology in rivers & lakes 4.Local scour & erosion 5.Reservoir sedimentation and management 6.Sediment issues in estuarine & coastal area 7.Environmental & ecological aspects of sediment management 8.Modeling & measurement techniques 9.Sediment related disasters 10.Social, economic & political problems related to sediment management.

URL: <http://www.dpri.kyoto-u.ac.jp/~ISRS2013/>

Contacts: Ujigawa Open Laboratory, Disaster Prevention Research Institute, Kyoto University Shimomisu, Yoko-oji, Fushimi-ku, Kyoto 612-8235, Japan Tel:+81-75-611-4397 Fax: +81-75-611-4397 E-mail: isrs2013@uh31.dpri.kyoto-u.ac.jp

Africa Congress on Conservation Agriculture (ACCA), 2014



The image is a concept note for the Africa Conservation Agriculture Congress 2014. It features logos for ACT, NEPAD, CIMMYT, and FAO at the top. The central text provides details about the congress, including the proposed venue (Lusaka, Zambia), dates (18-21 March 2014), and organizers (ACT, FAO, CIMMYT, and NEPAD). It also mentions partnerships with COMESA, NORAD, CIRAD, and the EU. Logos for these partners are shown at the bottom.

ACT **NEPAD** **CIMMYT** **FAO**

CONCEPT NOTE

Africa Conservation Agriculture Congress 2014

Proposed venue: Lusaka Zambia
Dates: 18 – 21st March 2014
Organizers: ACT, FAO, CIMMYT and NEPAD
in partnership with COMESA, NORAD, CIRAD and EU.

IN PARTNERSHIP WITH

EU **cirad** **Norad** **COMESA**

ACT, the pan-African network of conservation agriculture (CA) stakeholders, is pioneering the coming together of practitioners in the continent through the Africa Conservation Agriculture Congress (ACCA) –

this time with a difference! It will bring together and broker, together with partners, private sector investors (including small and medium farmers) with individual farmers, farmer's organizations and cooperatives. Policy makers, scientists and the media will participate, however in advisory role capacity to facilitate reaching service provision along the whole value chain revolving around CA. ACCA is aiming at expanding the focus in promotion of conservation agriculture initiatives in Africa. The congress will encourage CA practitioners and researchers to address new research questions that will move the CA agenda beyond crop productivity and the catchment level to the wider global agricultural systems.

Venue: Lusaka Zambia

Dates: 18 - 21st March 2014

Organizers: ACT, FAO, CIMMYT and AU-NEPAD in partnership with COMESA, NORAD, CIRAD and the EU.

For more information, contact: info@act-africa.org

6th International Conference on Flood Management



Date: September 16-18, 2014

Venue: São Paulo – Brazil

Summary: The 6th International Conference on Flood Management (ICFM6) marks the continued advancement of flood management practices and policies around the world. The name change from "Defence" as used in the previous four events to "Management" is reflective of the more integrative approaches to flood management that nations are increasingly employing. The first International Symposium on Flood Defence, held in Kassel, Germany in 2000, emphasized flood defence measures with each successive event (Beijing 2002, Nijmegen 2005, Toronto 2008 and Tsukuba 2011) evolving towards more integrative approaches, including risk, vulnerability and capacity building. The ICFM6 theme is "Floods in a changing Environment". ICFM is the only recurring international conference wholly focused on flood related issues. It is designed to bring together practitioners and researchers alike, including engineers, planners, health specialists, disaster managers, decision makers, and policy makers engaged in

various aspects of flood management. It provides a unique opportunity for these various specialists to come together to exchange ideas and experiences. ICFM6 will be held in São Paulo (SP), Brazil September 2014, and will be organised by the Brazilian Water Resources Association and Acquacon Consultoria.

Key Themes: The event will focus on the following seven key themes:

1.Urban Floods 2.Floods in a changing climate 3.Flood risk management in mega cities 4.Impact of climate change on flood risk 5.Land use and Floods, landslides and erosion 6.Flood forecasting and early warning systems 7.Flood resilient societies through community preparedness

URL: <http://icfm6.com/>

Executive Secretariat: Acqua Consultoria CADASTUR: 26.038288.80.0001-3 Rua Capitão Messias, 51 05004-020 - São Paulo - SP Fone / Fax: 55 11 3868-0726 icmf6@acquacon.com.br
www.acquacon.com.br/icmf6

ICCE Symposium on Erosion and Sediment



Date: Dec 11-14, 2014

Venue: New Orleans, USA

Summary: An international symposium on erosion and sediment, ICCE 2014, will be held in the city of New Orleans, USA, December 11-14, 2014. The symposium is a series of symposia organized under the auspices of the International Commission on Continental Erosion (ICCE), which is one of the ten commissions of the International Association of Hydrological Sciences (IAHS). The first ICCE symposium was held in Florence, Italy in 1981, and recent symposia have been held in Moscow, Russia in 2004, Dundee, United Kingdom in 2006, Christchurch, New Zealand in 2008, Warsaw, Poland in 2010, and Chengdu, China in 2012. The 2014 ICCE Symposium in New Orleans will have the following themes:

- Monitoring and modeling erosion on hills, floodplains, and coastal shorelines
- Monitoring and modeling sediment transport in streams, rivers, and estuaries
- Erosion and sediment-associated chemical transport across landscape and waterscape
- Land use and climate change effects on erosion and sediment transport

- Interactions between sediment hydrodynamics, channel morphodynamics, river delta, and coastal processes



URL: <http://www.rnr.lsu.edu/icce2014/>

Contact: Symposium Organizing Committee, ICCE2014NO@gmail.com

Call for Participation in 2013 ICIMOD Digital Photo Contest on “Water and Life”



THREE DECADES
FOR MOUNTAINS AND PEOPLE

Time: 10 April – 20 May 2013

The International Centre for Integrated Mountain Development (ICIMOD) is organizing a Digital Photo Contest on the theme of 'Water and Life' to celebrate its 30th Anniversary. This contest also coincides with the United Nations International Year of Water Cooperation 2013.

The photo contest aims to draw the attention of the public, policymakers and relevant stakeholders to the importance of water and challenges of water-related issues in the Hindu Kush Himalayan region in relation to human needs, gender, environment, biodiversity, and climate change and adaptation, as well as to good practices in water and related risk management, including water cooperation. It is also a reflection of the importance that ICIMOD places on water cooperation at all levels and symbolizes its commitment to continued efforts in this area.

Awards: The top three photos judged the best, second best and third best by a panel of judges will receive cash Prizes of USD 1,000, 800, and 600 respectively along with certificates of achievement. The next top 30 photos (10 from each of the three categories) will be eligible for the People's Choice award. This award will be decided based on week-long voting on Facebook. The photo with the highest number of 'likes' on the ICIMOD Facebook page in each category will receive a People's Choice award of USD 200 along with a

certificate of achievement. The remaining 27 photos will receive Honourable Mentions, along with certificates.

Who can participate?

- The photo contest is open to anybody from anywhere in the world as long as he/she is above 18 years of age at the time of participation.
- There is no entry fee required to participate.
- Each participant can submit up to three photos per category. As there are a total of three categories, each participant can enter up to nine photos.

How to participate?

To participate in the photo contest, please first visit the following website for information on terms and conditions, thematic and geographical scopes of the photo contest, and criteria for judging entries, including how to submit entries:

<http://www.icimod.org/photocontest/2013/>

For any query and clarification, write to:

ICIMOD Photo Contest Organising Team Email: photocontest@icimod.org

ICT International Standing Wave Technology
Soil Moisture Measurement

MP306 MP406 MPkit

<http://www.icinternational.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

Solutions for soil, plant & environmental monitoring

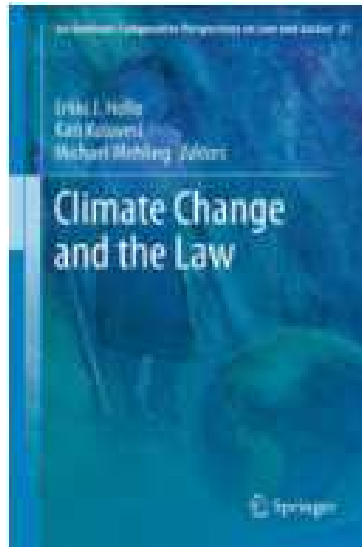
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NEW BOOK

Climate Change and the Law



Series: Ius Gentium: Comparative Perspectives on Law and Justice, Vol. 21

Editors: Erkki J. Hollo, Kati Kulovesi, Michael Mehling

ISBN:

Ebook: ISBN 978-94-007-5440-9

Hardcover: ISBN 978-94-007-5439-3

2013, XXI, 693 p. 4 illus., 1 illus. in color.

Content Level: Research

Short Description:

*Offers comprehensive and up to date presentation of climate and related energy law

*Expert writings, based on comparative research results

*Is essential reading for the methodology of “Climate Law”

*Includes full documentation of sources, concepts and literature

About this book:

Climate Change and the Law is the first scholarly effort to systematically address doctrinal issues related to climate law as an emergent legal discipline. It assembles some of the most recognized experts in the field to identify relevant trends and common themes from a variety of geographic and professional perspectives.

In a remarkably short time span, climate change has become deeply embedded in important areas of the law. As a global challenge calling for collective action, climate change has elicited substantial rulemaking at the international plane, percolating through the broader legal system to the regional, national and local levels. More than other areas of law, the normative and practical framework dedicated to climate change has embraced new instruments and softened traditional boundaries between formal and informal, public and private, substantive and procedural; so ubiquitous is the reach of relevant rules nowadays that scholars routinely devote attention to the intersection of climate change and more established fields of legal study, such as international trade law.

Climate Change and the Law explores the rich diversity of international, regional, national, sub-national and transnational legal responses to climate change. Is climate law emerging as a new legal discipline? If so, what shared objectives and concepts define it? How does climate law relate to other areas of law? Such questions lie at the heart of this new book, whose thirty chapters cover doctrinal questions as well as a range of thematic and regional case studies. As Christiana Figueres, Executive Secretary of the United Nations Framework Convention on Climate Change (UNFCCC), states in her preface, these chapters collectively provide a “review of the emergence of a new discipline, its core principles and legal techniques, and its relationship and potential interaction with other disciplines.”

Keywords: Adaptation to Climate Change - Agriculture and Climate - BAT - Best Available Technology - CDM - Clean Development Mechanism - Climate Change - Climate Change Convention - Climate Change and Law - Climate Law - Climate Policies on Law - Emission Mitigation - Emission Trading - Energy Policies - Environmental Law - Flood Control - Global Warming - Housing and Climate - Kyoto Mechanisms - Kyoto Protocol - Renewable Energy - Renewable Energy Sources - Sources of Global Warming - Sustainable Development - UNFCCC - United Nations Framework Convention on Climate Change

Related subjects: Climate Change Management and Policy - Economics - Law - Renewable and Green Energy

China releases first national water report

(Source: Xinhua)



The first national report on China's water conditions was released Tuesday (March 26) by the Ministry of Water Resources (MWR) and the National Bureau of Statistics (NBS).

The nationwide survey covered river conditions, water conservancy projects, water consumption, river development and management, and water and soil conservation in 2011.

China has 45,203 rivers each covering an area of at least 50 square kilometers, totalling 1.51 million kilometers in length. Some 2,865 lakes with a regular surface area of over 1 square kilometer took up 78,000 square kilometers, the report said.

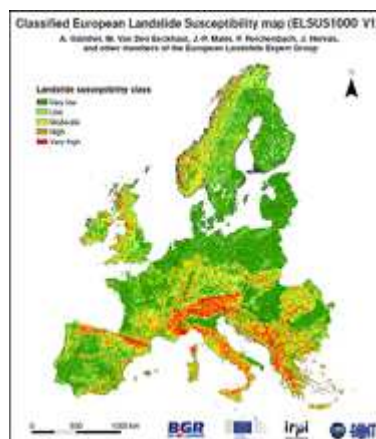
The capacity of 98,002 reservoirs amounted to 932.31 billion cubic meters and the total installed capacity of 333 million kilowatts were generated by 46,758 hydropower stations.

The irrigation area reached 1 billion mu (66.8 million hectares), according to the report.



European Soil Portal

European Landslide Susceptibility Map (Version 1 available for download)



ELSUS1000 version 1 shows levels of spatial probability of generic landslide occurrence at continental scale. It covers most of the European Union and several neighbouring countries. Basically, the map has been produced by regionalizing the study area based on elevation and climatic conditions, followed by spatial multi-criteria evaluation modelling using pan-European slope gradient, soil parent material and land cover spatial datasets as the main landslide conditioning factors. In addition, the location of over 100,000 landslides across Europe, provided by various national organizations or collected by the authors, has been used for model calibration and validation. Additional information is provided in the references below and the metadata.

The map has been produced jointly by the Federal Institute for Geosciences and Natural Resources (BGR, Hannover, Germany), the Joint Research Centre (JRC, Ispra, Italy), the Institute of Physics of the Globe (CNRS-EOST, Strasbourg, France), and the Research Institute for Hydrogeological Protection (CNR-IRPI, Perugia, Italy), as part of the work of the European Landslide Expert Group, with contributions from other members of the Group.

ELSUS1000 version 1 is a contribution of the European Landslide Expert Group to the EU Thematic Strategy for Soil Protection and the related Proposal for a Soil Framework Directive.

The map is available to download together with ancillary spatial datasets used for landslide susceptibility modelling, or produced for referencing to administrative regions and for evaluation of the confidence level of the classified landslide susceptibility.

More information at:

<http://eusoils.jrc.ec.europa.eu/library/themes/Landslides/index.html#ELSUS>

Soil Atlas of Africa

The first ever SOIL ATLAS OF AFRICA uses striking maps, informative texts and stunning photographs to answer and explain these and other questions. Leading soil scientists from Europe and Africa have collaborated to produce this unique document. Using state-of-the-art computer mapping techniques, the Soil Atlas of Africa shows the changing nature of soil across the continent. It explains the origin and functions of soil, describes the different soil types that can be found in Africa and their relevance to both local and global issues. The atlas also discusses the principal threats to soil and the steps being taken to protect soil resources. The Soil Atlas of Africa is more than just a normal atlas. It presents a new and comprehensive interpretation of an often neglected natural resource. The Soil Atlas of Africa is an essential reference to a non-renewable resource that is fundamental for life on this planet.



The atlas explains in a simple and clear manner the reasons for the varying patterns of soil across Africa as well as the need to conserve and manage this increasingly threatened natural resource through sustainable use. At its heart is a series of annotated maps that show, for the very first time, the diversity of soil characteristics across the African continent in a manner that is comprehensible to the layperson.

More details at: http://eusoils.jrc.ec.europa.eu/library/maps/africa_atlas/

Young minds come up with solutions to address global challenges

International Centre for Integrated Mountain Development and YoungInnovations host NASA International Space Apps Challenge: Kathmandu Hackathon

Over the weekend, 60 young, innovative software developers, engineers, designers, and technologists from Kathmandu came together at the NASA International Space Apps Challenge: Kathmandu Hackathon to develop solutions to pressing global problems. The winning team, Mars Odyssey, consisting of Binayak Dhakal, Roshan Bhatta, and Sakar Pudasaini, developed an easy-to-use tool to teach children programmatic thinking without the need for technical programming knowledge.

The 48-hour event – organized 20–21 April by YoungInnovations and the International Centre for Integrated Mountain Development (ICIMOD) within the framework of the SERVIR-Himalaya Initiative supported by USAID and NASA – embraced collaborative problem solving with a goal of producing open-source solutions to global challenges.

Sixty participants, including 16 women, divided themselves into 17 teams, with some calling upon virtual participation and input from others around the globe. Using earth observation resources and geo-ICT tools, teams worked on challenges that included mapping emergency service providers in Kathmandu through an online interface, creating a mobile application that brings information about space and the universe to your fingertips, and developing a means for common people to remotely control and conduct research on ArduSat, an open-source nanosatellite, from a personal computer.

“The opportunity to change the world on the global scale could be the impetus for future hackathons, and not just as a once-a-year event. Events like this could be held at schools, or even in a village. It is a great chance to put the power of problem solving into the hands of the people”, said Stacy Whittle, Senior Lead for Communications, SERVIR Program Demand Activity.

The top three teams were announced at the closing ceremony on Sunday and awarded cash prizes of NPR 30,000, 20,000, and 10,000. Arun Aryal, Deepak Pradhan, Roshan Bhatta, and Anil Karki, members of the team Phoenix, were awarded first runner-up for their all-terrain rover, which showcased the ability of the Mars Rover Curiosity to explore and assist in human research in space. The team also noted the

potential for a rover like theirs, which is wirelessly controlled and equipped with GPS and live video feed, to be used in disaster response efforts.

“The most interesting part of an event like this is the collaboration and integration. If we have more hackathons, we will be able to come up with more innovative ideas. We don’t have to wait another year for the NASA challenge; this is something we can do on our own. Students can come together to build some really cool stuff”, said Rabindra Kharel a member of the third place team Deep Space 2. Kharel and his partner Deerghayu Shrestha’s project developed a method to detect and visualize anomalies in spatiotemporal data that could eventually be used to detect hazards and enable faster visualization of the region’s climatic conditions.

Basanta Shrestha, Regional Programme Manager of the Mountain Environment Regional Information System (MENRIS) programme at ICIMOD, said, “This event provides a unique platform for young minds to unleash creativity and innovation to advance our understanding of space and the earth as well as utilize space-based information resources for pressing environmental and societal problems. ICIMOD, through the SERVIR-Himalaya Youth Initiative, would like to organize similar events in other parts of the Hindu Kush Himalayan region in the future.

Anja M. Rasmussen, Senior Manager of Knowledge Management and Communication at ICIMOD, emphasized the potential to use this hackathon as a model to tap into the ingenuity of youth in the Hindu Kush Himalayan region as well as build their capacity to develop solutions to the issues people in the region are facing. “It was an amazing experience to see a group of young scientists that have the potential to put Nepal on the map by creating simple technologies that can change the lives of people living in the region and beyond. And it was great to see so many women participating in a traditionally male-dominated field.”

In the week running up to the hackathon, Women LEAD, an organization working with female students in the Kathmandu Valley to teach women’s leadership, entrepreneurship, and activism, and Karkhana, a for-profit company aimed at developing the culture of experimentation in Nepal in the fields of electronics and technology, organized a bootcamp for seven talented female engineering and IT students, all of whom participated in the Kathmandu Hackathon.

Nhasala Joshi participated in the bootcamp and expressed the challenge of working with a new programming language to complete her team’s project at the hackathon, which aimed to enable people on earth to programme and test experiments in space

via the ArduSat. “The challenge we chose to work on required us to use Python, which was completely new for me. In just a few days time we had to learn it, and suddenly we realized that we can learn and we can do something by ourselves”, she said.

“Getting into the tech industry can be hard for girls in Nepal”, said Sakar Pudasaini, a member of the winning team who also works for Karkhana. Most of the bootcamp participants had little hands-on experience prior to the event. “During the hackathon, we threw a challenge at them and they managed, they contributed. After this week they have a lot more confidence that they can be awesome programmers”, Pudasaini added.

The Kathmandu Hackathon was a part of the larger NASA International Space Apps Challenge, with similar events being held at the same time in cities on all seven continents. Together, ICIMOD and YoungInnovations will submit the top two solutions to NASA for global judging and awards, which will be solely decided by NASA.

Bibhusan Bista from YoungInnovations said, “This event provided an opportunity for youth in Nepal to harness their expertise to help address global challenges. When we started planning this, I wondered if it was really possible in Nepal. We have proved that we can do equally good things in Nepal as in the other cities participating in the event around the globe. Now we are on the global map. We are not stopping here; this is just a start.



For more information contact

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Senior Communications Officer

ICIMOD

Email: info@icimod.org, ngurung@icimod.org

More information at: <http://www.icimod.org/?q=10120>



1. JRC Trainee



EUROPEAN COMMISSION
JOINT RESEARCH CENTRE

Resources
Recruitment and Training

Short description of activity:

In the framework of the EC Danube Strategy there is the need to develop the crucial area of land and soils in an integrated and holistic manner. The Danube Land and Soil Nexus (DLSN) will address the full range of interlinked issues related to land and soils in the Danube river basin area. As a first step towards implementing the DLSN there is the need to develop a full metadata catalogue of available soil and land related spatial data and information covering the Danube river basin area. The successful candidate will contribute to the compilation of such a catalogue in the framework of the European Soil Data Centre (ESDAC) and the Danube Data and Services Infrastructure.

Qualifications:

The ideal candidate should have a master degree in geography, geosciences or environmental science. Previous experience with spatial data management and GIS is an advantage. Relevant publications and presentations should be highlighted. Good knowledge of English is required. On the job training will be provided to the trainee by the Land Resources Management unit.

Indicative duration: 12 months

Preferred starting date: 01/10/2013

JRC Site: Ispra

Country: Italy

Rules, eligibility requirements: <http://ec.europa.eu/dgs/jrc/index.cfm?id=5860>

2. Irrigation and Agronomy Scientist

Brief introduction:

We are seeking experienced and resourceful Irrigation and Agronomy Scientist to join a new USAID funded agricultural R4D project focused on efficient surface water irrigation, scale-appropriate mechanization, and

conservation agriculture, to sustainably intensify cropping systems in Southern Bangladesh. The five-year, > \$12 million project activities are being implemented in collaboration with International Development Enterprises (iDE), and will integrate and build upon synergies created with the already operational Cereal Systems Initiative for South Asia (CSISA) in Bangladesh project. As the Irrigation and Agronomy Scientist, you will work to implement and applied research and extension program in partnership with public and private sector partners centered around the use of efficient surface water irrigation and innovative agronomy to intensify dry season cropping in Southern Bangladesh.

The successful applicant will join the multi-institutional and interdisciplinary team that coordinates the Cereal Systems Initiative for South Asia (CSISA) in Bangladesh. CSISA is a collaborative R4D program launched in 2010 with funding from USAID. It combines the strengths CIMMYT, IRRI, and WorldFish in collaboration with public and private sector partners. For more information about CSISA, please visit: <http://www.csisaportal.com> The CSISA Mechanization and Irrigation project (CSISA-M.I.) represents new and distinct project activities within CSISA. CSISA-M.I. will intensify dry season cropping in the impoverished regions of Southern Bangladesh by facilitating broad access to low-cost and efficient surface water irrigation combined with innovative agronomy, and by researching, perfecting, extending and commercializing scale-appropriate agricultural machineries and associated services at scale.

The International Maize and Wheat Improvement Center, known by its Spanish acronym, CIMMYT®, is a not-for-profit research and training organization with partners in over 100 countries. Please refer to our website for more information: www.cimmyt.org

The position will be based in Dhaka, Bangladesh and will require very frequent and extensive travel between project field sites, primarily districts of Jessore, Khulna, and Barisal.

Specific duties of this position include:

- ✦ Contributing to the research, development, testing, refinement, and field implementation of new surface water irrigation technologies, practices, and agronomic innovations, specifically those related to sustainable intensification (e.g. conservation agriculture, efficient pump sets, site-specific and precision water management, scale-appropriate mechanization, etc.) under on-farm conditions.
- ✦ Oversight of best-practice irrigation and agronomy extension activities throughout Southern Bangladesh, in collaboration with government extension and private-sector partners.
- ✦ Contributing to the development of training modules and outreach materials that will support a variety of change agents including agricultural service providers, agro-dealers, extension agents, and private sector irrigation machinery manufacturers.

- ✦ Contributing to the definition of major change pathways that will catalyze sustainable development. Development of strategic working relationships with public, private sector, and Civil Society (NGOs, Cooperatives, etc.) partners.
- ✦ Mentoring and overseeing the work of project-based staff.
- ✦ Maintenance and archiving of field data in alignment with CIMMYT's data management system.
- ✦ Communicating key messages and project progress with scientists, donors, policy makers, and other primary stakeholders.
- ✦ Publication of research findings in technical reports and in high-impact, peer-reviewed journals.

We are seeking candidates with the following academic qualifications, skills and attitudes:

- ✦ A PhD degree in agricultural sciences, agronomy, irrigation management, irrigation science, hydrology, irrigation engineering, or related fields. Secondary degrees in agricultural development or related fields would be beneficial.
- ✦ Practical working knowledge of conservation agriculture and/or agricultural machinery (preferred).
- ✦ At least 4 years experience in applied, on-farm, adaptive, and participatory agricultural research in developing nations.
- ✦ Demonstrated partnership building and networking experience with the public and private sectors.
- ✦ Excellent facilitation, communication, and team-building skills.
- ✦ Experience with impact pathway analysis, logical frameworks, and theories of change (preferred).
- ✦ Prior experience working in the context of USAID or similar donor funded agricultural development projects (preferred)
- ✦ Strong proficiency in written and spoken English.
- ✦ Excellent publication record in peer-reviewed journals.
- ✦ Knowledge of South Asian cropping systems (preferred).

We will offer an initial contract for 2 years, which may be renewable subject to continued need and funding for the position and performance of the staff member. Our internationally competitive salary and benefits include housing allowance, car, comprehensive health and life insurance, assistance for children's education, paid vacation, annual airfare, contribution to a retirement plan, and generous assistance with relocation shipment.

To apply for this position, please email cover letter and CV no later than Sunday, 19 May, 2013 to Human Resources, CIMMYT (Email: irsrecruitment@cgiar.org / Please indicate Position Reference number: 12299 in the header of your email). For further information on the selection process, please contact Guillermo Flores, Staffing Specialist, at g.flores@cgiar.org

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

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>

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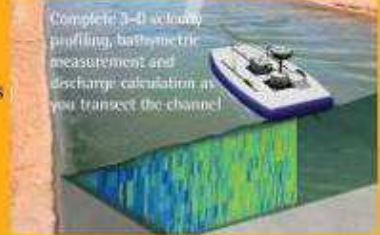
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(Please ask samran_sombatpanit@yahoo.com if in doubt).

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; waswacsecretariat@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:

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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

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