

WASWAC HOT NEWS 2011 (02 Part B) February 14

Compiled and sent out by editor Samran Sombatpanit and co-editor Karika Kunta
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This document is NOT properly edited, to enable a quick release, to meet many deadlines.
Previous information is available on the website <http://waswac.soil.gd.cn>, sub page WASWAC HOT NEWS

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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Valentine's Plea

Your voice in laughter or in Song
Hold in its spell the whole day long
One who would say "The World is mine!"
If you would be my Valentine!"

Publisher of this postcard: John Winsch; Artist: Samuel Schmucker

To purchase click: [Winsch Valentine](#)

(Photo and the verse are from the website with thanks)

HAPPY VALENTINE

“Gravitation is not responsible for people falling in love.”
~Albert Einstein

“Immature love says: 'I love you because I need you.' Mature love says 'I need you because I love you.'”
~Erich Fromm

“Love conquers all.”
~Virgil

“Love is an irresistible desire to be irresistibly desired.”
~Robert Frost

“Love is the magician that pulls man out of his own hat.”
~Ben Hecht

“Love is like war: easy to begin but very hard to stop.”
~H. L. Mencken

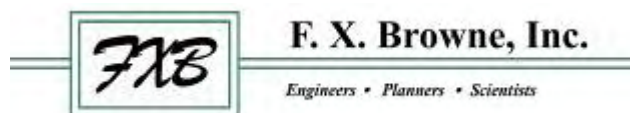
“Love is metaphysical gravity.”
~R. Buckminster Fuller

“Love is the poetry of the senses.”
~Honore de Balzac

“Love means not ever having to say you're sorry.”
~Erich Segal

WITH MANY THANKS FROM WASWAC

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WASWAC PRESIDENT'S MESSAGE



Dear colleagues, friends and members of WASWAC,

Starting this first President's Message I wish you healthy, prosperous and Happy New Year for 2011. It is a great opportunity and a big challenge for me to take presidency of the World Association of Soil and Water Conservation in the period 2011-13. In this respect I wish to thank Prof. Dr. Miodrag Zlatic and all members in the council term 2008-10 for voluntarily handling this tremendous but very important work for our Association.

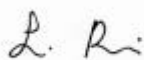
At this moment, I cherish the memory of great contributions from all predecessors. In Chinese it has a saying "Don't forget the well-diggers when you drink water from the well." Generally speaking, WASWAC has already passed two stages, i.e. **forming stage** and **growing & stabilizing stage**, and has started the third one, **development stage**.

In 1983, Dr. Bill Moldenhauer and other scientists proposed to establish an association called World Association of Soil and Water Conservation—then the WASWAC was born! After that Drs Norman Hudson (UK), Rattan Lal (USA), Hans Hurni (Switzerland) and David Sanders (UK) led WASWAC through their terms that form the first stage. From the turning point of the century, WASWAC started its second stage when President David Sanders and Samran Sombatpanit, his deputy, worked closely with each other. Then Drs Samran Sombatpanit, Miodrag Zlatic, Michael Zoenisch made great contributions to WASWAC in the growing and stabilizing stage, which ended last year when the WASWAC Secretariat was eventually established in Beijing, China.

Now we are meeting a nice opportunity for WASWAC development, which is the third stage. With broad attention and interest from all over the world, with research results from many successful experiments available, with great support from all members of WASWAC, and with nice and useful foundation built by predecessors, I feel quite encouraged.

The main task in the next period is to continue the good work of past presidents and WASWAC Council and to implement the tasks that we have discussed at the WASWAC Council Meeting in Xi'an in October 2010 as well as at the Secretariat Meeting in Beijing in December 2010. A general framework for WASWAC development has been proposed. The plan is mainly focused on four key points: (1) Membership—Internationalization, to establish a global network of SWC is our aim; (2) Professional services—Diversification, such as cooperation research, training, publication, conference and others to develop an integrated service system; (3) Operation—Socialization, to join related organizations, such as institutions, universities, companies and others to form a united network; and (4) Management—Standardization and Institutionalization, to establish a series of rules and regulations. More details will be provided in my subsequent messages.

Certainly I will do my best for WASWAC in the coming three years. WASWAC belongs to the world and thus belongs to all of us. Therefore, I am looking forward to having substantial and continual support from all of you. I wish you all the best and look forward to producing good work in WASWAC together with you, thus making the management and care of natural resources, especially soil and water, proceed faster worldwide.



Prof. Li Rui
President of WASWAC
Institute of Soil and Water Conservation MWR-CAS
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WASWAC Secretariat: c/o International Research and Training Center on Erosion and Sedimentation (IRTCES), 20 Chegongzhuang Road West, Beijing 100048, **P. R. China.** Tel: +86 10 68786413; Fax: +86 10 68411174; Mobile:13910095238; **Secretary General:** Prof Ning Duihu, ndh@mwr.gov.cn
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Websites: Beijing: www.irtces.org; Guangzhou: <http://waswac.soil.gd.cn>; Tokyo: www.waswac.org,

BULLETIN BOARD

If you have not sent any digital materials to us for including in our Special Publications No. 5 (SP5), **LANDCON e-LIBRARY: Our Gift to the Earth**, pls do send. Almost everything digital produced from your office can be sent to us and we will help you sort out and make a good 'bookshelf' for them.

Newsletter issue 25(4) for October-December 2009 is posted on our website <http://waswac.soil.gd.cn>. Versions in various languages will be soon available. Issues starting from 2010 have been renamed '**WASWAC Bulletin.**' **The first two issues of WASWAC Bulletin with the number 26(1) & 26(2) are already posted.**

Members in **U.S.A.** can buy **NO-TILL FARMING SYSTEMS** book online at <http://www.conservationinformation.org/index.asp?site=1&action=products&deptID=1&dept=All+Products>. Members in all other countries may contact their country representatives or write to sombatpanit@yahoo.com.

SWAT book+DVD can be purchased by contacting representatives in some countries (see the last page of this HOT NEWS) or may order directly from sombatpanit@yahoo.com. For **U.S.A.**, copies are available from Prof. Manuel R. Reyes of North Carolina Agricultural and Technical State University in Greensboro, NC reyes@ncat.edu, mannyreyes@nc.rr.com, who keeps stocks of other WASWAC Special Publications too.

Both Special Publications of WASWAC (**No-Till Farming Systems & SWAT**) are now available from the **WASWAC Secretariat** located at the International Research and Training Center on Erosion and Sedimentation (IRTCES) in Beijing, to facilitate our Chinese readers. LANDCON e-LIBRARY (SP5) will be available from May 2011 onward. For more information please contact Dr Liu Xiaoying at waser_secretariat@yahoo.com.cn; wasersecretariat@sina.com. Members from within China can send membership fee to him. Ask him how to.

Special Publication No. 6 (SP6), entitled "**Vegetable Agroforestry Systems**", will be ready early next year. This SP6 - comprising four books with total page number of around 1,300, US\$60/set - showcases the trials of such systems in Vietnam, Indonesia and Philippines during last several years. The project has been part of the USAID-funded SANREM project. More details will be available later. WASWAC strives to publish books of SWC technologies that are applicable widely and sells them at low prices to serve people that belong to every economy level. Members are welcome to join as co-publishers for which a special price applies. Contact sombatpanit@yahoo.com for more information.

JOBS

▲ Dr Samran

Winrock is looking for a senior forestry and climate change person for a long-term position in the USAID regional climate change position. As the project will be located in Bangkok a Thai is preferred. Brief description of the position:

Forest Management and Climate Change Advisor

EDUCATION: Master's degree in related field (forestry, natural resource management, and/or climate change).

EXPERIENCE: Experience (8+ years) in planning, implementing, managing, or monitoring forestry or climate change programs, including REDD. Experience in training local communities in developing forestry management plans and trainer-of-trainers is desirable. Specific technical expertise in forest cover monitoring, forest carbon accounting, and Measuring, Reporting, and Verification (MRV) is an advantage.

RESPONSIBILITIES: Provide expertise and training in forestry conservation and climate change. Lead innovative demonstrations/pilot projects. Ability to provide guidance in technical areas of forest carbon accounting, MRV, and REDD is an advantage.

Anybody that you would recommend for the position?

Jim ("Roshetko, James (ICRAF)" J.ROSHETKO@CGIAR.ORG)

▲ See underneath a Job Advertisement for the current open position for a **full professor in Spatial Planning / Urban Planning at the Radboud University Nijmegen in the Netherlands.**

Research themes are not limited to Participatory GIS but cover the broad range of planning theory, various methods for supporting (participatory) planning and application of theoretical and methodological models in practice. Mapping and the role of GIS as tool in planning is among the research themes in our department, as well as exploring planning practices to improve our academic understanding of pro's and con's of planning approaches on questions of sustainability and spatial justice. See also:

http://www.ru.nl/vacatures/details/details_vacature_0?recid=502147

Note that dead-line for application is **March 14, 2011.**

An overview of the research portfolio in spatial planning and geography at Radboud University Nijmegen:

<http://www.ru.nl/imr/research-themes/terram/>

Linda Carton

▲ Belated greetings from Vienna-Austria and best wishes to you and your family for 2011 with good health, happiness and every success.

I would like to ask you to circulate to staff members or your previous colleagues/ post-graduate students who would be interested in the vacancy position as the Head of the Soil and Water Management & Crop Nutrition Laboratory in the IAEA. The position is highly challenging with a very good remuneration package. Thank you in advance for your support.

Dr. M. Long Nguyen

Head, Soil and Water Management & Crop Nutrition (SWMCN) Section and SWMCN

Subprogramme Manager

Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (NAFA), AEA

P.O. Box 100, 1400 Vienna, Austria, Tel.: +43 (1) 2600 21648 or 21647, m.nguyen@iaea.org

▲ **EcoAgriculture Partners seeking Senior Manager: Knowledge Sharing and Policy Advocacy**

EcoAgriculture seeks to hire a full-time Senior Manager for Knowledge Sharing and Policy Advocacy ("Senior Manager") to join our committed team in our Washington, D.C., headquarters as soon as possible. The Senior Manager's principal responsibility (approx. 70% time) during 2011 and 2012 will be to coordinate the planning and implementation of the International Ecoagriculture Conference and Knowledge Exchange, to be held in Kenya in early 2012, and follow-up publications and policy engagement. In addition, the Senior Manager will work with other staff to develop and implement EcoAgriculture's communications and policy advocacy strategies. Click here for the full job description.

AWARDS/PRIZES/FUNDS/FELLOWSHIPS/SCHOLARSHIPS

▲ **Erasmus Mundus - EMDC Scholarships**

The Erasmus Mundus programme in Distributed Computing is a cooperation between KTH Royal Institute of Technology in Sweden, Instituto Superior Técnico in Portugal and Universitat Politècnica de Catalunya in Spain. It is a two-year Master's programme including compulsory mobility for the students.

The EMDC programme offers education of high international standard as well as cultural experience from two different European countries and a double degree from two universities.

Information technology is becoming ubiquitous and increasingly important for all kinds of organizations, including enterprises, factories, public utilities, state bodies, health care, banking, transportation, airport and harbour control, etc. Information technology, and distributed computing in particular, is required to successfully undertake and manage large-scale projects on such organizations. Furthermore, distributed computing provides the foundations to manage the communications and data processing required by other science fields such as health sciences, biology, physics, chemistry, mechanical and civil engineering.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-emdc-scholarships.html>

▲ WAPPP/ISP Fellowships

The Women and Public Policy Program at the Harvard Kennedy School will be awarding one postdoctoral residential fellowship to an outstanding scholar in security affairs from the United States or elsewhere working to promote basic research in the broad area of international security with a particular focus on issues relating to gender. This fellow must hold a Ph.D. by September 2010. The fellow will hold his or her fellowship jointly with the International Security Program (ISP) of the Belfer Center for Science and International Affairs (Belfer Center).

The stipend for the 2010-2011 academic year postdoctoral fellowship is \$34,000. Residential fellowships also provide for individual health insurance and institutional support.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/wapppisp-fellowships.html>

▲ CLP Conservation Awards

The Conservation Leadership Programme (CLP) is a partnership of four conservation organisations – BirdLife International, Conservation International, Fauna & Flora International, the Wildlife Conservation Society. The mission of the Conservation Leadership Programme is to promote the development of future conservation leaders and provide them with the capacity to address the most significant conservation issues of our time.

The CLP has been helping young conservationists to achieve their goals and move into positions of influence within the conservation sector for more than 25 years. Successful applicants will: 1.) Develop the knowledge, skills and abilities of team members; 2.) Implement high-priority conservation projects combining research and action; and 3.) Contribute to the long-term success of local conservation efforts.

This year's awards include:

* Future Conservationist Awards (up to US \$12,500 each)

* Conservation Follow-up Awards (up to US \$25,000 each) – available only to previous CLP Future Conservationist Award winners

* Conservation Leadership Awards (up to US \$50,000 each) – available only to previous CLP Follow-up Award winners

Readmore: <http://cambodiajobs.blogspot.com/2010/09/clp-conservation-awards.html>

▲ WCS Research Fellowships

The Wildlife Conservation Society saves wildlife and wild places worldwide. We do so through science, global conservation, education, and the management of the world's largest system of urban wildlife parks, led by the flagship Bronx Zoo. Together these activities change attitudes towards nature and help people imagine wildlife and humans living in harmony. WCS is committed to this mission because it is essential to the integrity of life on Earth

The WCS Research Fellowship Program (RFP) is a small grants program administered by the Wildlife Conservation Society (WCS) Institute that is designed to build capacity for the next generation of conservationists by supporting individual field research projects that have a clear application to the conservation of threatened wildlife and wild places.

The RFP helps train applied conservation scientists from developing countries. Since the RFP's establishment in 1993, over 2,000 proposals totaling over \$23 million have been submitted to WCS for funding, of which 300 proposals totaling more than \$3 million have been funded.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/wcs-research-fellowships.html>

▲ Atlas Corps Fellowships

Atlas Service Corps (Atlas Corps) is a completely new kind of social venture taking a new approach to facilitate international cooperation in the citizen sector. As you learn more about Atlas Corps, We hope you find ways that you can get involved as a Partner, a Fellow, a Volunteer or a Supporter. One of the fundamental underlining beliefs of Atlas Corps is that the problems we face in this world are too big to ignore, too overwhelming not to work together to address.

The Atlas Corps Fellowship Program strengthens leaders and organizations in the nonprofit sector through a 12 or 18 month international exchange for skilled, nonprofit professionals. Atlas Corps is helping to create a world where talented individuals and good ideas in the nonprofit sector cross borders to share best practices, learn new perspectives, and address the world's most pressing social challenges. Applying to be an Atlas Corps Fellow is a competitive process, but one that provides for a fantastic educational opportunity.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/atlas-corps-fellowships.html>

▲ NHC Fellowships

The National Humanities Center is a private, nonprofit institution for advanced study in the humanities. Most of the Center's fellowships are unrestricted. Several, however, are designated for particular areas of research. These include one fellowship for a young woman in philosophy and fellowships for environmental studies; English literature; art history; Asian Studies; and theology.

The National Humanities Center does not discriminate on the basis of race, color, sex, religion, national or ethnic origin, handicap, sexual orientation, or age.

Readmore: <http://cambodiajobs.blogspot.com/2010/06/nhc-fellows.html>

▲ Erasmus Mundus - COSSE Scholarships

The Erasmus Mundus programme "Computer Simulations for Science and Engineering" (COSSE) is a joint initiative of four European universities:

- KTH Royal Institute of Technology, Sweden
- Technical University of Berlin, Germany
- Technical University of Delft, the Netherlands
- Friedrich-Alexander University of Erlangen- Nürnberg, Germany

The field of computer simulations is of great importance for high-tech industry and scientific/engineering research, e.g. virtual processing, climate studies, fluid dynamics, advanced materials, etc. Often the field is referred to as the third pillar of science complementing theory and experiments.

COSSE is a two-year master's programme offering a double degree from two universities. The students enter one of the universities and continue the second year at one of the other institutions in another country. COSSE offers education of the highest international standard as well as a unique experience of meeting different European cultures, languages, climate and nature.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-cosse-scholarships.html>

▲ Radcliffe Institute Fellowships

The Radcliffe Institute Fellowship Program is a scholarly community where individuals pursue advanced work across a wide range of academic disciplines, professions, and creative arts. Radcliffe Institute fellowships are designed to support scholars, scientists, artists, and writers of exceptional promise and demonstrated accomplishment who wish to pursue work in academic and professional fields and in the creative arts. In recognition of Radcliffe's historic contributions to the education of women and to the study of issues related to women, the Radcliffe Institute sustains a continuing commitment to the study of women, gender, and society. Applicants' projects need not focus on gender, however. Women and men from across the United States and throughout the world, including developing countries, are encouraged to apply.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/radcliffe-institute-fellowships.html>

▲ Erasmus Mundus - SUFONAMA Scholarships

The MSc programme in Sustainable Forest and Nature Management (SUFONAMA) is a two-year world-class integrated programme aimed at qualifying graduates to deal with the enormous challenge in sustainable management of natural resources, namely the challenge of management of forests and nature areas in an integrated landscape context. Through a top-level, research-based education, graduates will gain the required competencies for working with sustainable forest and nature management issues: a significant theoretical foundation, practical and international experience, and a cross-disciplinary approach.

Every year about 20 scholarships are expected to be available for Non-EU and EU students. Category A scholarships for non-EU applicants amount to €24,000 per year for two years and Category B scholarships for EU applicants amount to €10,000 per year for two years. Grant holders are selected on the basis of academic potential and in observance of geographical criteria determined by the European Commission.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-sufonama-scholarships.html>

▲ Erasmus Mundus - SUTROFOR Scholarships

The MSc programme in Sustainable Tropical Forestry (SUTROFOR) is a top-level programme aimed at preparing qualified graduates to deal with contemporary tropical forestry. It provides students with direct access to the best tropical forestry teaching in Europe.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-sutrofor-scholarships.html>

▲ Peter and Patricia Gruber Foundation Prize

The Peter and Patricia Gruber Foundation honors and encourages educational excellence, social justice and scientific achievements that better the human condition.

The Peter and Patricia Gruber Foundation is a private, United States-based philanthropic organization

established in 1993 under the 501(c)(3) section of U.S. Corporate Law. It is funded entirely by Peter and Patricia Gruber, who serve as its Chairman and President, respectively. The Foundation is headquartered in St. Thomas, United States Virgin Islands, and maintains a small branch office in New York City. A major focus of the Foundation's philanthropy is its International Prize Program, created to recognize excellence in science and humanities by highlighting five fields that create a better world: Cosmology, Genetics, Neuroscience, Justice, and Women's Rights. Each Prize is given annually, and carries an unrestricted cash award of \$500,000 and a gold medal. To further support Cosmology, Genetics and Neuroscience, the Gruber Foundation has affiliated with preeminent science organizations to award fellowships to promising young scientists in those fields.

- The Cosmology Prize
- The Genetics Prize
- The Neuroscience Prize
- The Justice Prize
- The Women's Rights Prize

Readmore: <http://cambodiajobs.blogspot.com/2010/09/peter-and-patricia-gruber-foundation.html>

▲ Erasmus Mundus - MEDEG Scholarships

The Erasmus Mundus Master Course in Economic Development and Growth-MEDEG is a full-time masters programme organized by a consortium including three top-class European Universities:

Universidad Carlos III Madrid - Spain (coordinating institution) – University of Warwick – United Kingdom
University of Lund - Sweden

MEDEG lasts two academic years, includes 120 ECTS (60 ECTS/year), and consists of 14 or 16 course modules (depending on the two different mobility schemes available) delivered through a combination of lectures, classes, tutorials and essay writing with individual supervisors

10 (ten) Category A scholarships for students citizens of a Third country (with the exception of Turkey and Western Balkans)

2 (two) Category A scholarships for students citizens of countries belonging to the so-called “Western Balkans and Turkey Window”

8 (eight) Category B scholarships for students citizens of member states of the European Union

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-medeg-scholarships.html>

▲ VLIR-UOS Scholarships

VLIR-UOS awards scholarships to students from developing countries so that they can follow a master or training programme in Belgium. These scholarships cover all related expenses. Every year, VLIR-UOS awards up to 180 scholarships to first-year master students and 70 scholarships to training participants.

All programmes are specifically designed for people in positions of responsibility in civil society (e.g. universities, schools, NGOs, local communities, governments).

Readmore: <http://cambodiajobs.blogspot.com/2008/01/scholarships-from-belgian-government.html>

▲ Erasmus Mundus - IMSE Scholarships

International Master in Service Engineering (IMSE) programme has been carefully designed at the interface of software service systems and new globe-spanning business processes to prepare students with a background in either business or information technology to become the new generation of service engineers.

Europe is definitely the place to be when it comes to finding a high quality joint Master's programme such as IMSE, in which students from around the globe are prepared to become the next generation of service graduates. Coming to Europe as a student can open up a whole new world, full of unique opportunities, memorable moments and life-changing experiences.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-imse-scholarships.html>

▲ Joan Shorenstein Center Fellowships

The Shorenstein Center Fellowship Program offers an opportunity for outstanding journalists and scholars to spend a semester at Harvard University, where they can share their knowledge and expertise in a collegial and intellectually stimulating environment. The mission of the fellowship program is to advance research in the field of press, politics and public policy; provide an opportunity for reflection; facilitate a dialogue among scholars, journalists and policymakers; and create a vibrant and long-lasting community.

The Joan Shorenstein Center offers a one-semester fellowship at Harvard's Kennedy School of Government. Fellows are domestic or international journalists, scholars and/or policymakers who are interested in the influence of the press on public policy and politics.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/joan-shorenstein-center-fellowships.html>

▲ Erasmus Mundus - IMESS Scholarships

The International Masters in Economy, State and Society (IMESS) is an established two-year double degree Masters programme, taught in English and offered by a consortium of leading European universities headed by UCL - London's research and teaching powerhouse and one of the top five universities worldwide (THES-QS 2009). IMESS draws on an unparalleled pool of resources to offer the definitive Masters course focusing on the economies, states and societies of Central and Eastern Europe.

The programme, recognised for its excellence by the European Union's Erasmus Mundus Programme, offers three distinct study tracks, reflecting the unique multidisciplinary expertise of the consortium institutions. The study tracks are:

- * Politics and Security
- * Economics and Business
- * Nation, History and Society

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-imess-scholarships.html>

▲ **Funding Opportunities for Small Scale Initiatives:** The Small-Scale Initiatives Programme run by the French Global Environment Facility is designed to support civil society organisations in Africa that are actively working on biodiversity protection and climate change action. The programme has been set up to help civil society organisations to: undertake field projects in West and Central Africa, Madagascar and Mozambique, strengthen their technical, training, management and project monitoring capacities, strengthen a small-scale projects monitoring network in West and Central Africa, strengthen their capacities for influencing environmental policy choices in the countries concerned, share and disseminate their experiences and successes.

There is a rolling programme of applications and full details are available at:

<http://www.ffem.fr/jahia/Jahia/cache/offonce/lang/en/accueil/pid/26806;jsessionid=5F616BE7C3B7CC1630DD20C1B57BFF12>

▲ **Rufford Small Grants for Nature Conservation:** Rufford Small Grants for Nature Conservation (RSGs) are aimed at small conservation programmes and pilot projects. RSG's are available to individuals and small groups. Applications can be made at any time of the year; decisions are usually made within three months. RSGs generally support projects of about a year's duration. Applications from non-first world areas are strongly encouraged. For a list of the various grants they offer, please see www.ruffordsmallgrants.org

▲ Japan-IMF Scholarships

The Japan-IMF Scholarship Program for Asia (JISPA) was first introduced in 1993. It is funded by the Government of Japan, administered by the International Monetary Fund (IMF), and conducted at various graduate schools in Japan. Its objective is to contribute to institutional capacity building in economic policymaking to promote the sustainable growth of emerging and developing economies in Asia and the Pacific. By training future macroeconomic managers in these countries, the JISPA aims to enable them to better formulate sound economic and financial stability policies needed for sustainable growth and development. Readmore: <http://www.scholarshipandjob.com/2010/07/japan-imf-scholarships.html>

▲ SCG Foundation – ASEAN Foundation Scholarship

“Concern for Social Responsibility” is one of the four principles long upheld by the Siam Cement Group (SCG) in doing business. Over the last 40 years, SCG Foundation was established to carry out activities dedicated to social contribution, human resources development especially of children and youth, creating sustainable benefits for all the communities and countries where SCG operates.

SCG Foundation is committed to expanding educational opportunities to the Southeast Asian countries in the hope of helping to develop their human resources so they can contribute to the development of their own countries. At the same time, it helps promote Thailand and makes the country a regional hub of the international education.

Readmore: <http://cambodiajobs.blogspot.com/2009/05/scg-foundation-asean-foundation.html>

▲ NED Fellowships

The National Endowment for Democracy (NED) is a private, nonprofit foundation dedicated to the growth and strengthening of democratic institutions around the world. Each year, NED makes more

than 1,000 grants to support the projects of non-governmental groups abroad who are working for democratic goals in more than 90 countries.

Named in honor of NED's principal founders, former president Ronald Reagan and the late congressman Dante Fascell, the Reagan-Fascell Democracy Fellows Program was established in 2001 with funding from the U.S. Congress to enable democratic practitioners, scholars, and journalists from around the world to deepen their understanding of democracy and enhance their ability to promote democratic change. The Forum hosts 16 to 20 Reagan-Fascell Fellows per year
Readmore: <http://cambodiajobs.blogspot.com/2010/09/ned-fellowships.html>

▲ **Erasmus Mundus - SELECT Scholarships**

The master's programme in Environmental Pathways for Sustainable Energy Systems (SELECT) offers advanced education in the field of sustainable energy systems for the future. SELECT aims at delivering education for high competency and quality engineering skills in the field, including industrial interaction throughout the programme. Students graduating from the SELECT programme will have gained experience in the following topics:

- Training in multidisciplinary problem analysis and solving.
- Advanced team building in a multinational setting, along with stimulating international experience.
- A novel and multidimensional way of learning involving real and virtual classrooms
- Close collaboration with industry during thesis work.
- A unique network of fellow students, SELECT alumni and industry specialists in the field of sustainable energy.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-select-scholarships.html>

▲ **Gates Cambridge Scholarship**

The University of Cambridge is normally ranked in the top three universities worldwide. It typically receives over 9,000 applications for graduate study from non-British applicants, approximately 1,700 of whom take up their place at Cambridge.

Gates Cambridge Scholarships are awarded to outstanding students from outside the UK to study at the University of Cambridge. The programme aims to build a global network of future leaders committed to improving the lives of others.

Readmore: <http://cambodiajobs.blogspot.com/2010/06/gates-cambridge-scholarship-at.html>

▲ **Erasmus Mundus - MaMaSELF Scholarships**

MaMaSELF is a two year European Master program in Materials Science, which aims to teach the application of "Large Scale Facilities" for the characterisation and development of materials.

Modern life and globalisation imply new and additional exigencies for scientists and scientific engineers in the field of scientific and industrial competitiveness. This holds specifically for the development of new technologies and new materials which are important key-products and which contribute to the technological and scientific competitiveness of highly industrialized countries. The characterisation of these materials and also the optimising of technologies strongly demand sophisticated methods, some of them uniquely available at "Large Scale Facilities" using neutrons or synchrotron radiation.

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-mamaself-scholarships.html>

▲ **Erasmus Mundus - EMECS Scholarships**

The European Master's Course in Embedded Computing Systems (EMECS) is designed to educate Bachelor graduates from Electrical and Computer Engineering and Computer Science as well as graduates from related disciplines to become experts in the field of Embedded Computing Systems.

The participating institutions are:

- University of Kaiserslautern (Germany)
- Norwegian University of Science and Technology (Norway)
- University of Southampton (United Kingdom)

Readmore: <http://cambodiajobs.blogspot.com/2010/09/erasmus-mundus-emecs-scholarships.html>

▲ [Vrije University Brussel-Scholarships, Belgium](#)

Scholarship program for students from developing countries in the field of Biology

▲ [Humboldt research post-doctoral Fellowship 2011, Germany](#)

▲ [KAUST Fellowship 2011, Saudi Arabia](#)

KAUST Fellowships at King Abdullah University of Science and Technology in the fields of Engineering, Mathematics or Physical, Chemical and Biological Sciences.

▲ **Fondation Ensemble - Call for proposals 2011:** The Foundation renews its call for proposals Sustainable Development and Job Creation. With this call for proposals the Foundation wishes, in particular, to support innovative initiatives that can respond to human and environmental needs expressed locally and that can promote the emergence of local, job-creating economic structures. In 2011, the Fondation Ensemble intends to concentrate its operations in eight countries: Benin, Burkina Faso, Malawi, Mozambique, Cambodia, India, Laos, Peru. Click [here](#) to download the call for proposals.

▲ **International Foundation for Science Research Grants:** Applications for IFS Research Grants are welcome from young scientists in developing countries to do research on the sustainable management, use or conservation of biological or water resources. This includes natural science and social science research on agriculture, soils, animal production, food science, forestry, agroforestry, aquatic resources, water resources, etc. Applications are accepted all year.

▲ **Brazil announces fund to reduce agricultural emissions**

Brazil's Development Bank recently launched a fund to provide low interest loans for greenhouse gas emissions reductions projects in agriculture. Activities in these projects can include restoring degraded agricultural land and integrating forests into agricultural production systems. The bank's lowest interest rate will apply to loans from the US\$588 million devoted to this fund. Projects initiated through these loans will contribute to Brazil's commitment to reduce deforestation in the Amazon by 70% and cut projected emissions by 38-39% by 2020.

Read more about the fund [here](#).

▲ [ITTO Fellowship Programme](#)

ITTO offers fellowships through the Freezailah Fellowship Fund to promote human resource development and to strengthen professional expertise in member countries in tropical forestry and related disciplines

▲ [AU-TWAS Young Scientists National Awards](#)

The African Union and TWAS offer support for African countries to institute awards for young African scientists.

▲ [Islamic Development Bank \(IDB\) Prizes for Science and Technology 2011](#)

Applications for the Islamic Development Bank prizes for Science and Technology 2011 are welcomed from national, regional and international academic/research/development, private or public, institutions of member countries.

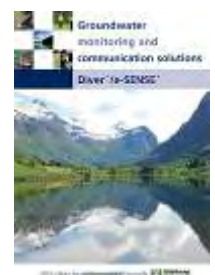
Advertisement

Water quality monitoring: Diver and e-SENSE

To thoroughly make use of all possibilities that water offers, water will have to be managed. That concerns both a dry area in Africa as well as a relatively wet country, such as the Netherlands. To interfere in the water-balance of a certain area, full knowledge is necessary. A small change can have immense consequences. Reliable and frequent measuring of the groundwater situation is the foundation. Diver is the ideal instrument for this purpose! And, in combination with the e-SENSE telemetry measuring system, monitoring of the equipment can be done remotely at a (considerable) distance.

[Read all about it in the brochure Groundwater monitoring and communication solutions](#) For more information also visit www.eijkelkamp.com

(<http://www.eijkelkamp.com/Portals/2/Eijkelkamp/Files/Diver-e-SENSE.pdf>)



The United Nations' High-Level Advisory Group on Climate Change Finance (AGF) was set up to identify **US\$100 billion** to support climate change adaptation and mitigation actions in developing countries.

Download the full 8-page reports, or one page summaries to learn more. We also encourage you to join the debate about how climate finance should be mobilised, and how developing countries should respond to the suggestions on the table – why not leave a comment?

AGF for Asia - click here to download the report in [English](#)

AGF for Small Island Developing States - click to download the report [English](#)

AGF for Africa - click to download the report in [French](#) or in [English](#)

AGF for Latin America and the Caribbean - click to download the report in [Spanish](#) or in [English](#)

El Grupo Asesor sobre el Cambio Climático de Finanzas (AGF) De Alto Nivel de las Naciones Unidas se creó para identificar 100 millones de dólares para apoyar la adaptación al cambio climático y las medidas de mitigación en los países en desarrollo.

Descargue el informe completo de 8 páginas, o resumen de una página para aprender más. También le animamos a participar en el debate acerca de cómo movilizar la financiación climática, y cómo los países en desarrollo deben responder a las sugerencias sobre la mesa - ¿por qué no dejar un comentario?

AGF por América Latina y Caribe - cliccar por descargar el documento en [Spanish](#) or in [English](#)

AGF por África - cliccar por descargar el documento en [French](#) or in [English](#)

AGF por Asia - cliccar por descargar el documento en [English](#)

AGF por Pequeños Estados Insulares - cliccar por descargar el documento en [English](#)

L'Organisation de haut niveau du Groupe consultatif sur les changements climatiques des finances (AGF) des Nations Unies a été mis en place pour identifier 100 milliards de dollars pour soutenir l'adaptation au changement climatique et les mesures d'atténuation dans les pays en développement.

Pour en savoir plus télécharger le rapport complet de 8 pages, ou résumés d'une page. Nous vous encourageons également à participer au débat sur la façon dont les finances du climat devraient être mobilisées, et comment les pays en développement devraient répondre aux suggestions sur la table – Si vous le souhaitez laissez un commentaire.

AGF por África - clique pour télécharger le document en [French](#) or in [English](#)

AGF por Asia - clique pour télécharger le document en [English](#)

AGF por Pequeños Estados Insulares - clique pour télécharger le document en [English](#)

AGF por América Latina y Caribe - clique pour télécharger le document en [Spanish](#) or in [English](#)

A Organização de Alto Nível do Grupo Consultivo sobre Mudança Climática das Finanças (AGF) das Nações Unidas foi criada para identificar \$ 100 bilhões para apoiar a adaptação às alterações climáticas e ações de mitigação nos países em desenvolvimento.

Baixe o relatório completo de 8 páginas, ou um resumo para saber mais. Nós também encorajamos você a participar do debate sobre como o financiamento do clima devem ser mobilizados, e como os países em desenvolvimento deve responder às sugestões sobre a mesa - porque não deixar um comentário?

AGF por América Latina y Caribe - cliccar por descargar el documento en [Spanish](#) or in [English](#)

AGF por Africa - [cliccar por descargar el documento en French](#) or in [English](#)

AGF por Asia - [cliccar por descargar el documento en English](#)

AGF por Pequeños Estados Insulares - [cliccar por descargar el documento en English](#)

▲ [NY DEC – Adirondack Park Community Smart Growth Grant Program](#)

[USDA – Pest Management Funding](#)

[EPA – Community-Based Environmental Grants](#)

[EPA – Environmental Justice Grants](#)

[WREN Community Watershed, Source Water Protection Education Grants](#)

[PA DEP – Coastal and Estuarine Land Conservation Program \(CELCP\)](#)

[Boat US Foundation Grassroots Grants Program](#)

[New York DEC - Urban Forestry Project Grants](#)

[PA DCNR Community Conservation Partnership Grants](#)

[NJDEP Division of Fish and Wildlife's 2011 Native Fish Art and Writing Contest](#)

[PA American Water 2010-2011 Stream of Learning Scholarship Program](#)

[Coldwater Conservation School – NJ DEP Division of Fish and Wildlife & the NJ State Council of Trout Unlimited](#)

[Department of Conservation and Natural Resources Electronic Grants System](#)

[Chesapeake Bay Watershed Initiative](#)

[Chesapeake Bay Trust Mini Grants](#)

[1675 Foundation](#)

[Bridgestone Americas Trust Fund](#)

[William Penn Foundation Grants](#)

[Maryland DNR Grants and Loans](#)

[Maryland DNR Tree-Mendous Program - Trees for Schools Project](#)

[The Maryland Urban and Community Forest Committee \(MUCFC\) Grants](#)

[PennVEST Loans – Pennsylvania Infrastructure Investment Authority](#)

[Keystone HELP Loan Program to Help Homeowners Install Geothermal Systems Pennsylvania Historical and Museum](#)

[Commission Grants Page](#)

[NY DEC Grants](#)

[USDA Rural Development Water and Waste Disposal \(WWD\) Loan and Grant Program for Rural Areas](#)

[USDA Technical Assistance and Training Grants for Rural Areas](#)

[USDA Solid Waste Management Grant Program for Rural Areas](#)

[PA Resource Enhancement and Protection Program \(REAP\)](#)

[Gannett Foundation - Community Action Grants](#)

[H2O PA - High Hazard Unsafe Dam Projects](#)

[New Jersey DEP Grants and Loans](#)

[New Jersey Trails Grants](#)

[EPA Wetland Grants Database \(WGD\)](#)

[USDA Encourages Farmers Within Chesapeake Bay Watershed to Signup for Conservation Program](#)

[USDA – Assistance for Wetland Restoration and Enhancement](#)

[SDA – Healthy Forests Reserve Program \(HFRP\)](#)

[Pennsylvania Conservation Programs](#)

[Coldwater Conservation Planning Grants](#)

[Coldwater Conservation Implementation Grants](#)

[PA DEP: Environmental Education Grants](#)

[PA Conservation Corps Grant Program](#)

[Foundation for Pennsylvania Watersheds Convening Grants](#) **NEW**

[2010-2011 Watershed Mini Grants – Western Pennsylvania Conservancy and Dominion Resources](#) **NEW**

[New York State Conservation Partnership Program](#)

[RBF National Youth Fishing & Boating Initiative Education Grants](#)

[Department of Conservation and Natural Resources Electronic Grants System](#)

[Chesapeake Bay Watershed Initiative](#)

[Chesapeake Bay Trust Mini Grants](#)

[Bridgestone Americas Trust Fund](#)

[William Penn Foundation Grants](#)

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[Maryland DNR Tree-Mendous Program - Trees for Schools Project](#)

[The Maryland Urban and Community Forest Committee \(MUCFC\) Grants](#)

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[Pennsylvania Historical and Museum Commission Grants Page](#)

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[SDA – Healthy Forests Reserve Program \(HFRP\)](#)

[Pennsylvania Conservation Programs](#)

[Coldwater Conservation Planning Grants](#) NEW

[Coldwater Conservation Implementation Grants](#) NEW

[PA DEP: Advantage Grant Program Opens to Small Businesses Looking to Increase Profitability by Reducing Energy Costs and Pollution](#) NEW

[PA DEP: Environmental Education Grants](#) NEW

[PA Conservation Corps Grant Program](#) NEW

[New York State Conservation Partnership Program](#) NEW

Awards:

[Pennsylvania Fish and Boat Commission Photo Contest](#)

[2010 Share the Experience Photo Contest](#)

INTERNATIONAL YEAR

2011 is the International Year of Forests: The United Nations General Assembly has declared 2011 as the International Year of Forests to raise awareness on sustainable management, conservation and sustainable development of all types of forests.

50th Anniversary Celebration

BAU Celebrates 50th Year

It is time to remodel the traditional education system and incorporate biotechnology and molecular biology as well as sustainable technologies in the agriculture curriculum. This was the opinion of ministerial and academic experts during the Golden Jubilee celebration of the Bangladesh Agricultural University (BAU) last August 18, 2010. Over 4000 joined the celebration of BAU's 50th anniversary. Agriculture Minister Matia Chowdhury mentioned the potentials of stress tolerant crop development, jute genome sequencing, and technological outcomes associated with agricultural production enhancement. Other top level heads included Fisheries and Animal Resources Minister MA Latif Biswas, Health Minister (State) Majibur Rahman Fakir and Cultural Affairs Minister (State) Adv. Promod Mankin, and Vice Chancellor of BAU MA Sattar Mondal. The Vice Chancellor noted the efforts of the Biotechnology Department in developing innovative activities in teaching, research and extension particularly its foray into biotech ventures.



Email Dr. Khondoker Nasiruddin for more details about the BAU celebration at nasirbiotech@yahoo.com

PLEASE NOTE: The Land Development Department of Thailand is going to celebrate its 50th Anniversary in May 2013, and will organize the 2nd WASWAC World Conference and Council Meeting. For more information, pls contact Chinnapat Sukvibool sukvibool@hotmail.com.

PEOPLE

Instructor: Tom Williams, MA, CPESC



Mr. Williams has over 30 years experience in the project management and preparation of reclamation plans, baseline data collection projects and environmental impact assessments. The majority of the projects he has participated in have been mining, renewable energy, power, transmission and pipeline related. Mr. Williams is a reclamation ecologist and certified erosion control specialist with specific expertise in the reclamation and revegetation of disturbed lands, wetlands remediation, statistical analysis of vegetation, and erosion and sediment control. Mr. Williams has conducted workshops on vegetation establishment, revegetation, erosion control, and environmental impact assessment for over 15 years. He is currently a member of IECA's Board of Directors and the Chair of the SOIL Fund Committee and Technology Section 3 (Vegetation Establishment) subcommittee.

Instructor: Pablo Garcia, PhD

Pablo Garcia-Chevesich has a BS in Forest Engineering, a MS in Watershed Management and a PhD in Agricultural and Biosystems Engineering. He is an expert in hydrology, soil erosion processes and control, community watershed management and climate change mitigation from the natural resources management perspective. A co-creator of NED Homes, Dr. Garcia-Chevesich is also the author of "Procesos y control de la erosion", the most up-to-date textbook on the engineering of soil erosion and control in Spanish literature. Dr. Garcia-Chevesich is an instructor at the University of Arizona. With experience in the United States, Africa and South America, Pablo is an active committee member for the International Development and the Save Our International Land (SOIL) programs of the International Erosion Control Association. He is also the US Ambassador for the International Sediment Initiative Program of the United Nations Educational, Scientific, and Cultural Organization (UNESCO). He currently teaches "Types of Erosion Processes" course.



OBITUARY

[Ahmet Hizal VP for Turkey passed away](#)

Prof. Dr. Ahmet Hizal died in a traffic accident in the northwestern province of Bolu, Turkey. This e-mail has been sent to inform you. Prof. Dr. Ahmet Hizal was born in Düzce, Turkey on January 1, 1946 and died in a car accident on June 8, 2010. He was the head of Department of Forest Engineering, Faculty of Forestry, Istanbul University. He served as a WASWAC Vice President for Turkey for several years.



[Richard Fowler \(WASWAC Councilor from South Africa\) passed away](#)



Dear Samran

I am sorry to inform you that Richard passed away on 24th June. The cancer was at Stage 4 which is the final stage of growth, so there wasn't very much anyone could do. We tried 2 cycles of chemotherapy, but they did not work well and he passed away very quickly in the end.

Margaret Fowler

[Farewell to Hermann Scheer, 1944 - 2010](#)

Hermann Scheer, renewable energy visionary, inspirational speaker, Earthscan author and member of the German Bundestag, died unexpectedly on 14th October. Scheer was awarded '[Hero of the Green Century](#)' by Time magazine, and was also the recipient of an [Alternative Nobel Prize](#) for his advocacy of Renewable Energy. Earthscan executive chairman Edward Milford remembers him [here](#).



TRAINING WORKSHOP

▲ *International Training Course on* **Participatory Integrated Watershed Management**

13th – 27th April 2011

The International Centre for Integrated Mountain Development (ICIMOD) is pleased to announce the second International Training Course on Participatory Integrated Watershed Management to be held from 13th to 27th April 2011 at Godavari, Kathmandu, Nepal.

Background

The Hindu Kush-Himalayan region is particularly vulnerable to the impacts of climate change. Warming is higher than the global average and the mountain ecosystems are particularly vulnerable due to the rapid variation in altitude, steep slopes, and dependence on the monsoon system. Climate change impacts are embedded in a matrix of other environmental and social stresses such as migration, population growth, changes in local land use, and introduction and removal of species, adding to the complexity of the issues. The anticipated changes will have important implications for the livelihoods of those who live in the region. Ensuring sustainable use of natural resources is becoming crucial for maintaining the long-term stability of the fragile ecosystem and sustaining the socio-ecological resilience that is the basis for sustainable livelihoods – but it remains a major challenge.



Mountain watersheds provide the adjacent lowlands with water: more than half of the world's population depends directly on mountain watersheds for water to grow food, generate energy, and for industrial and domestic use. But mountain areas are vulnerable. Infrastructure development, use of steep slopes without proper consideration of conservation needs, deforestation, and population pressure can lead to unmanaged runoff, land degradation, and landslides, and affect the provision of water and nutrients to downstream areas. Across the Himalayan region, and in many other parts of the world, farmers and communities are paying increasing attention to finding ways of managing watersheds to ensure that soil, water, and other resources are conserved.

Experience in the Himalayan region and elsewhere has shown how holistic management of watershed resources can help address problems in mountain watersheds and arrest land degradation, and thus enable the water and food needs of the population to be met. In particular, there is increasing recognition that natural resource management in general, and integrated watershed management in particular, is only successful when the communities who live on the land are fully integrated into the process, from problem identification and recognition, through planning and implementation, to monitoring. The present training package builds on this experience to offer an intensive course for watershed managers which will provide them with a solid knowledge of integrated watershed management with communities that is specifically attuned to middle mountain conditions.

Course objectives

The course will enhance the conceptual and practical knowledge of participants in participatory integrated watershed management. In addition, participants will learn how to identify appropriate strategies to address sustainability issues in participatory integrated watershed management, and to analyse and prepare community-based integrated watershed management plans.

By the end of the course, participants will

- understand the concept of participatory integrated watershed management, and its importance and link to natural resource management related development issues;
- be familiar with the basic/guiding processes of working and planning with communities for participatory integrated watershed management; and
- understand the role and importance of local governance, payment for ecosystem services, and an enabling framework for achieving positive development outcomes through participatory integrated watershed management.

Why should you attend?

ICIMOD is a regional knowledge development and learning centre serving the eight regional member countries of the Hindu Kush-Himalayas and established in 1983. The Centre aims to build awareness of the unique role of the Himalayan mountain systems and to take action towards sustainability. The training course is an interactive 'hands on' event facilitated by seasoned trainers with up to 20 years of watershed experience. The training design will be customised to suit participants' core strengths and needs. Possibilities for interaction on other cross-cutting themes is made available during the training through our wide range of experts (see www.icimod.org).

Course duration and contents

The course runs for 15 days and is structured around the following modules.

Module 1: Introduction to participatory integrated watershed management. Analysis of the role, importance, and issues of participatory watershed management, and familiarisation with strategies.

Module 2: Familiarisation with processes and issues while working with communities in participatory integrated watershed management.

Module 3: Introduction to watershed planning with communities. Basic knowledge of different planning tools and conservation technologies for community-based integrated watershed management.

Module 4: Introduction to the enabling framework for participatory integrated watershed management such as policy, local governance, and payment for ecosystem services and climate change adaptation.

Training approach and trainers

The course uses a participatory training approach throughout. Classroom lectures are complemented by field visits and group exercises. The trainers are experienced professionals from ICIMOD and partner organisations engaged in watershed management. The training is coordinated by ICIMOD's Environmental Change and Ecosystem Services Programme.

Who should attend?

Young and energetic managers working with the government or with international and local non government organisations (INGOs and NGOs) in the area of natural resource management, especially soil conservation and watershed management, at different levels (central, district, and communities).

Course prerequisites

- Participants should have a technical background related to soil conservation and watershed management (agriculture, forestry, civil engineering, and others; minimum education level is four years of college, or its equivalent)
- Participants must be able to understand and speak English, which is the medium of instruction.
- A minimum of 2-3 years working experience in natural resource management is preferred.



- Women participants are encouraged. Child care will be organised for women/men with children for an additional cost of US\$ 150 (not including food).

Where and when?

Training will be conducted at various sites close to ICIMOD's Demonstration and Training Centre at Godavari, on the southern slopes of the Kathmandu Valley, Nepal, from 13 to 27 April 2011.

Course fees

The fee is US\$ 2,200 per person. This includes the tuition fee, course materials, food and lodging (shared double occupancy), course-related local travel, and pick-up and drop from Kathmandu airport. Single room accommodation is available for an additional US\$10 per day. The cost excludes international travel from place of origin to Kathmandu, medical/travel insurance, and other personal expenses. We suggest that participants budget for an additional \$20 per day to cover incidental expenses.

Registration fee is US\$ 50 per person

Applicants are encouraged to secure financial support from their organisations or donor agencies.

The number of participants is limited to 20; selection will be based on the information provided by applicants in the attached questionnaire.

For further information please contact

Keshar Man Sthapit
 Training Coordinator
 email: wsmtraining@icimod.org

Deadline for applications: 15 March 2011

Deadline for payment: 31 March 2011

International Centre for Integrated Mountain Development

GPO Box 3226, Kathmandu, Nepal

Tel +977-1-5003222 email info@icimod.org www.icimod.org

Participatory Integrated Watershed Management

Date of course: 13 – 27 April 2011

Applicant contact details

First Name	
Last Name	
Gender	
Job Title	
Organisation	
Tel No	
Fax No	
Email	
Address	

With the heroic help of Joachim Siegert - THE HALLER FOUNDATION LIBRARY on RESTORATION - finally is online, accessible worldwide and free of charge for everyone. "Joachim Siegert" joachim@eemp.org
<http://db00666.worldcloud.com/fmi/iwp/cgi?-db=haller&-loadframes>

First EarthLibrary microsite goes live

September 2010 saw the launch of the [Manual of European Environmental Policy](#) in its new online format. The Manual is the first microsite of EarthLibrary, an online platform that will include all of Earthscan's books and journals as well as content published by our partner organizations.

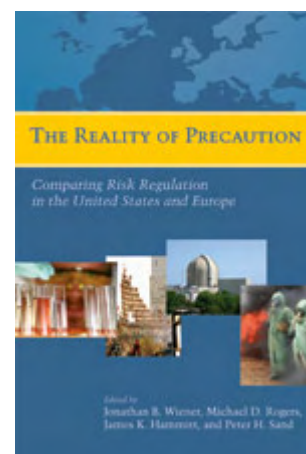
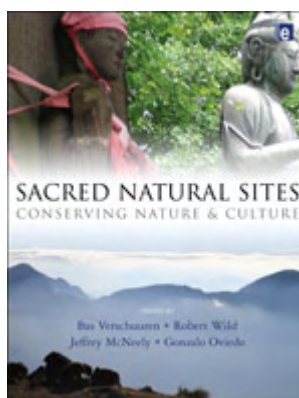
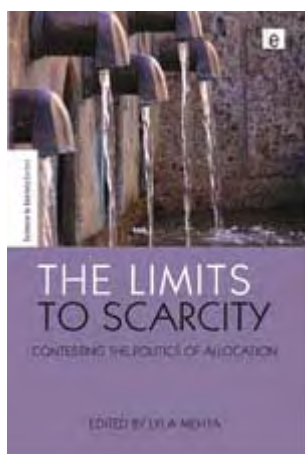
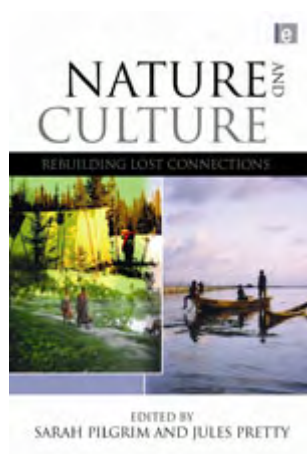
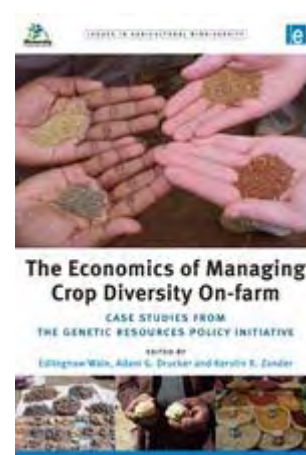
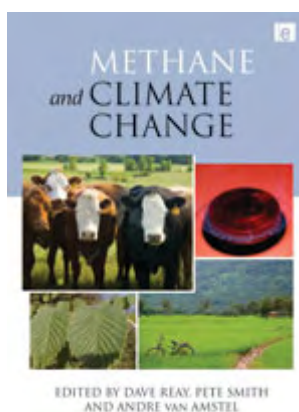
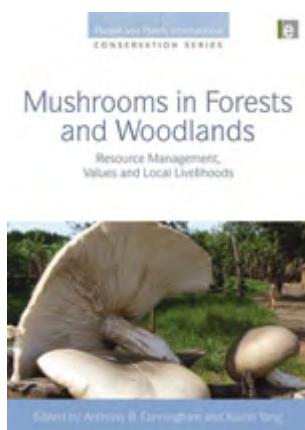
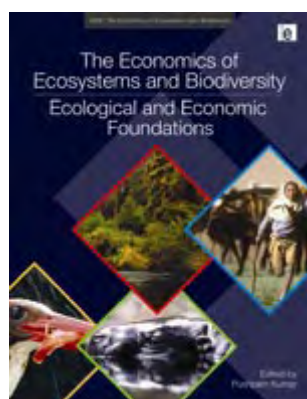
Advertisement Water quality monitoring: Diver and e-SENSE

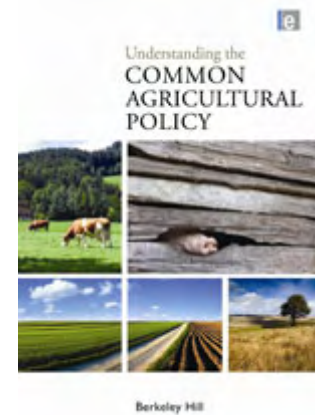
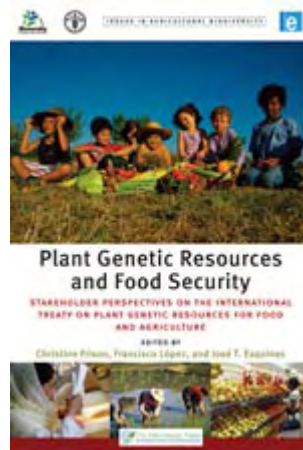
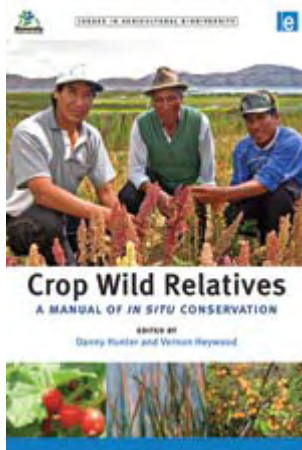
To thoroughly make use of all possibilities that water offers, water will have to be managed. That concerns both a dry area in Africa as well as a relatively wet country, such as the Netherlands. To interfere in the water-balance of a certain area, full knowledge is necessary. A small change can have immense consequences. Reliable and frequent measuring of the groundwater situation is the foundation. Diver is the ideal instrument for this purpose! And, in combination with the e-SENSE telemetry measuring system, monitoring of the equipment can be done remotely at a (considerable) distance. [Read all about it in the brochure Groundwater monitoring and communication solutions](#)
 For more information also visit www.eijkelp.com
<http://www.eijkelp.com/Portals/2/Eijkelp/Files/Diver-e-SENSE.pdf>



NEW INFORMATION SOURCES

BOOKS





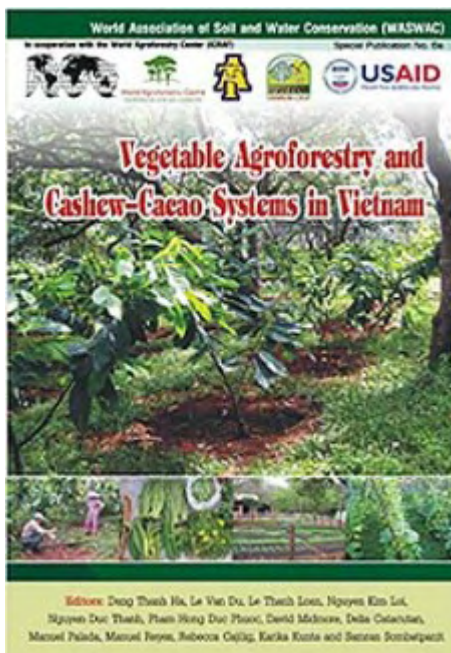
FYI, Dr. John McKinnon, a seasoned GIS practitioner who is a member of this list, sent me this e-mail about one of his recent publications:

All the best, Giacomo Rambaldi [PPgis.net Blog](http://PPgis.net)

▲ **Moving Mountains: Ethnicity and Livelihoods in Highland China, Vietnam and Laos [Hardcover]**

[Jean Michaud](#) (Editor), [Tim Forsyth](#) (Editor) [\$94 at Amazon, with free delivery]

▲ **New Book Shows Cacao Grown under Cashew Canopies Increases Production**



HO CHI MINH CITY, February 8, 2011 - A new book released in Ho

Chi Minh City on January 6, 2011 details studies and makes recommendations to significantly increase cacao production in Vietnam by growing the crop under cashew canopies.

The book, "*Vegetable Agroforestry and Cashew-Cacao Systems in Vietnam*," includes studies by a team of scientists led by Nong Lam University (NLU), who successfully tested adding cacao to cashew farming systems in Nghia Trung, Vietnam. They tested eight cacao varieties on farmer-owned cashew plantations and had promising results - cacao grew exceptionally well under the cashew canopy, and will be profitable to farmers. The scientists also found that farmers save money if they grow home garden vegetables under cashew canopy instead of buying the vegetables in the market. Women rarely participate in agricultural extension activities which limit their training access. However, since women hold key roles in farming, the researchers worked with them and found that women can be better trained and empowered through an 'unscheduled' informal approach than a traditional formal scheduled method.

The research team was made up of scientists from NLU in partnership with scientists from the World Vegetable Center and the World Agroforestry Center, North Carolina A&T State University, Texas A&M University, University of California, Berkeley, Central Queensland University, and MARS Incorporated.

Published by the World Association of Soil and Water Conservation and the World Agroforestry Center, the book was launched on January 6, 2011 during the Second International Soil and Water Assessment Tool Conference in Southeast Asia held in Ho Chi Minh City.

This project and book was made possible through support provided by the United States Agency for International Development (USAID) through the Sustainable Agriculture and Natural Resources Management Collaborative Research Support Program (SANREM CRSP) implemented by Virginia Polytechnic Institute and State University North Carolina Agricultural and Technical State University.

For more information contact Prof Manuel R. Reyes mannyreyes@nc.rr.com

Gestion durable de l'eau et des sols au Maroc

Edited by Eric Roose, Mohamed Sabir and Abdellah Laouina

Dear Samran, MPL the 17 November 2010....

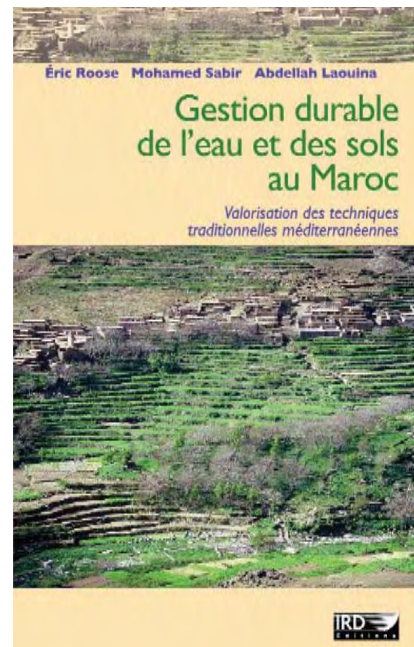
Happy to send you the prospectus presenting my last book written by Roose (Soil Scientist) & my friends Sabir (forester) & Laouina (geographer): 346 pages + 16 coloured diapos pages. The title is in French...."Sustainable management of water & soils of Morocco. Valorization of the traditional Mediterranean techniques".

The price is 48€ for people of North but substantial reductions could be obtained for collective demand of Southern readers/ libraries

Thanks to announce this all around you and in the WASWAC newsletter

This is the synthesis of ten years research in Moroccan mountains with two teams of foresters and geographers....IT contains the description & analysis of 30 Traditional systems of water & soils management & proposals to improve their efficiency. It concerns the Mediterranean areas of Northern Africa.

Best regards, Eric eric.roose@ird.fr



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▲ Amazon Forest and Savanna Lands -A guide to the climates, vegetation, landscapes and soils of central Tropical South America. By Thomas T. Cochrane and Thomas A. Cochrane. ISBN 1452866376.

190 pp. This book provides an overview of the land resources of the Amazon in terms of the complex of climates, landscapes, vegetation and soils found throughout this vast, often misunderstood region. Section 1 is an updated sequel to the pioneering digital Land Systems study of the region carried by the senior author between 1976 and 1980. The authors have re-digitized that study as a Personal Computer Version with Database available free from their Web site. Section 2 summarizes 3 larger-scale Land Resource Studies of critical areas of Amazonia, "The Geo-economic Region of Brasilia", "The Northern Amazon Region of Bolivia", and "The Western Amazon State of Rondonia, Brazil". Section 3 summarizes a series of findings from the land resource studies in the Amazon, including discussions of climate, deforestation, the "Paradox of Savannas in Amazonia" and "Leaching losses and the improvement of Amazon Forest and Savanna soils". The main text is complemented with an extensive Appendix which, amongst other subjects summarizes the authors' statistical procedure to



enhance soil survey studies to help predict fertilizer needs, some novel analytical procedures, and other technologies. (From IUSS Alert 65)

▲ **Geostatistical Applications for Precision Agriculture.** By Oliver, M.A. (Ed.). Springer, 2010, V, 295 p.,



Hardcover. ISBN: 978-90-481-9132-1. This book brings together in one place two dynamic subjects, precision agriculture and geostatistics, that have spatial variation at their core.

Geostatistics is applied in precision agriculture (PA) to sampling, prediction, mapping, decision-making, economics, designed experiments, variable-rate applications and so on. Contributions from experts in both fields illustrate how geostatistics can and has been used to advantage with PA data such as yield, soil, crop, pests, aerial photograph, remote and proximal imagery.

Geostatistical techniques include variography, ordinary-, disjunctive-, factorial-, indicator-, regression-, simple-, space-time- and co-kriging, and geostatistical simulation. The link between

geostatistics and PA will increase as more intensive information on the soil and crops becomes available from sensors and on-the-go technology. This is not a recipe book, but is intended to guide readers in the use of appropriate techniques for the types of data and needs of the farmer in managing the land. (From IUSS Alert 65)

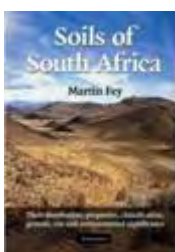
▲ **Out of the Scientist's Garden. A Story of Water and Food.** By Richard Stirzaker. CSIRO Land and



Water, 2010. 208 pages. Paperback - ISBN: 9780643096585 - AU\$29.95. Gives an in-depth understanding on how plants and soil work using stories more than the language of science. It is not a 'how to' book, but a framework over which to lay your own experience, to learn and reflect. Information for gardeners on the challenge of growing food and feeding a family in the city. Covers plants, soil and rivers and the journey from hunter-gatherer to modern agriculture. Reflects on the way scientists conduct their craft. A book for anyone interested in food, how it is grown and how the world feeds itself. Out of the Scientist's Garden is written for anyone

who wants to understand food and water a little better - for those growing vegetables in a garden, food in a subsistence plot or crops on vast irrigated plains. It is also for anyone who has never grown anything before but has wondered how we will feed a growing population in a world of shrinking resources. Although a practising scientist in the field of water and agriculture, the author has written, in story form accessible to a wide audience, about the drama of how the world feeds itself. The book starts in his own fruit and vegetable garden, exploring the 'how and why' questions about the way things grow, before moving on to stories about soil, rivers, aquifers and irrigation. The book closes with a brief history of agriculture, how the world feeds itself today and how to think through some of the big conundrums of modern food production. (From IUSS Alert 65)

▲ **Soils of South Africa.** By Martin Fey. Cambridge University Press, Cape Town , 2010. 287 pp. ISBN



9781107000506. Soils of South Africa is the first book in seventy years that provides a comprehensive account of South African soils. The book arranges more than seventy soil forms into fourteen groups and then provides, for each group: maps showing their distribution and abundance throughout South Africa; descriptions of morphological, chemical and physical properties; a detailed account of classification and its correlation with international systems; a discussion of soil genesis which includes a review of relevant research papers; appraisal of soil quality from a land use perspective as well as for its ecological significance; illustrative examples of soil profiles with analytical data and accompanying interpretations.

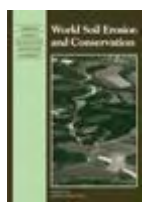
There is also a fascinating account of the special relationship that exists between South African animals and soil environments. Soils of South Africa should interest students and researchers in the earth, environmental and biological sciences, as well as environmental practitioners, farmers, foresters and civil engineers. (From IUSS Alert 65)

▲ **European Atlas of Soil Biodiversity.** Catalogue Number: LB-NA-24375-EN-C. ISBN: 978-92-79-15806-3, ISSN: 1018-5593. Price: Euro 25.00 The European Atlas of Soil Biodiversity provides a comprehensive source of information for researchers, policy makers and teachers, and a contribution to the International Year of Biodiversity. It selects and ranks potential threats to soil biodiversity, including land use change, habitat disruption, intensive human exploitation, invasive species, soil compaction, erosion and pollution. The map provides an evaluation of the potential risk of soil biodiversity decline with respect to the current situation, showing that the risk of decline in soil biodiversity due to human-induced pressures tends to be highest in areas of high population density and/or intense agricultural activity. The 128-page atlas is the result of collaboration between the

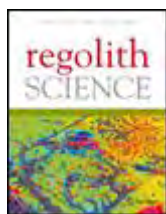
European Commission, partners from academia and industry, the UN Food and Agriculture Organization (FAO) and the Convention on Biological Diversity (CBD). (From IUSS Alert 66)

▲ **Interpretation of Micromorphological Features of Soils and Regoliths.** Edited by: Georges Stoops, Vera Marcelino, and Florias Mees. Academic Press, 2010. 800 pp. ISBN: 9780444531568. Covers the microscopic study of undisturbed soil and regolith samples, making use especially of thin sections and petrographic techniques. Incorporates more than 2,600 different references. Features contributions from 46 experts in the field. Micromorphology is a discipline used in several fields, such as pedology, quaternary geology, sedimentology, and archaeology. This book provides these researchers the state of the art in the field of genetic interpretation of micromorphological features, with coverage extending to processes of soil material formation, weathering, regoliths, as well as the results of human activities. The book is for: Postgraduate students and researchers in the fields of pedogenesis, soil classification, quaternary geology, sedimentology and archaeology. (From IUSS Alert 66) (From IUSS Alert 66)

▲ **World Soil Erosion and Conservation.** Series: Cambridge Studies in Applied Ecology and Resource Management. Edited by David Pimentel. Cambridge University Press, 2009 Paperback. ISBN-13: 9780521104715. Land degradation from soil erosion has been considered by many to be a problem of significant proportion, affecting some 30–50% of the earth's land surface. At the time of the first publication of this book in 1993, estimates indicated that 10–15 million hectares of land were being lost each year through erosion and salinisation from irrigation and that at such a rate of loss, topsoil reserves on most sloping lands would be depleted within two hundred years. Since humankind's dependency on the land for food is almost total, soil erosion represents a real threat to the security of our food supply. The need for the immediate conservation of the world's soil resources is therefore clear. As part of the response to this need, the International Union for the Conservation of Nature's Commission on Ecology convened a special working group to consider the problem of world soil erosion and to propose practical solutions for soil conservation. This important book presents the outcome of their work. (From IUSS Alert 66)



▲ **Regolith Science.** Edited by Scott, Keith; Pain, Colin. Springer, jointly published with CSIRO, Australia . 2009, 462 pp. Hardcover. ISBN: 978-1-4020-8859-9. This comprehensive reference on the fundamentals of regolith science describes how regolith is developed from parental rocks and emphasises the importance of chemical, physical, water and biological processes in regolith formation. It provides details for mapping regolith landforms, as well as objective information on applications in mineral exploration and natural resource management. Regolith Science also provides a concise history of weathering through time in Australia. It includes previously unpublished information on elemental abundances in regolith materials along with detailed information on soil degradation processes such as in acid sulfate soils. Written by experts in the field, Regolith Science summarises research carried out over a 13 year period within the Cooperative Research Council for Landscape Environments and Mineral Exploration. This book will be a valuable resource for scientists and graduate/postgraduate students in geology, geography and soil science, and for professionals in the exploration industry and natural resources management. (From IUSS Alert 66)

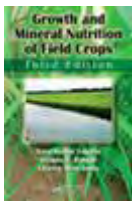


▲ **Trace Elements in Soils and Plants, Fourth Edition,** by Alina Kabata-Pendias, *Institute of Soil Science and Plant Cultivation, Pulawy, Poland.* CRC Press. ISBN: 9781420093681. This highly anticipated fourth edition of the bestselling Trace Elements in Soils and Plants reflects the explosion of research during the past decade regarding the presence and actions of trace elements in the soil-plant environment. The book provides information on the biogeochemistry of these elements and explores how they affect food quality. Incorporating data from over 1500 new resources, this edition includes the most up-to-date information on the relationship of trace elements to topics such as: Soil natural/background contents, Sorption/desorption processes, Anthropogenic impact and soil phytoremediation, Phytoavailability and functions in plants, Contents of food plants. The book discusses the assessment of the natural/background content of trace



elements in soil, bioindication of the chemical status of environmental compartments, soil remediation, and hyperaccumulation and phytoextraction of trace metals from the soil. The table of contents reflects the IUPAC's recommendation for numbering element groups, giving the new edition an updated organizational flow. (From IUSS Alert 68)

▲ **Growth and Mineral Nutrition of Field Crops, Third Edition**, by Nand Kumar Fageria, *EMBRAPA, San Antonio de Goias, GO, Brazil*; Virupax, Baligar, *USDA/ARS SPCL, Beltsville, MD, USA*; Charles Allan Jones, *Texas A&M University, Dallas, USA*. CRC Press. ISBN: 9781439816950.



By the year 2050, the world's population is expected to reach nine billion. To feed and sustain this projected population, world food production must increase by at least 50 percent on much of the same land that we farm today. To meet this staggering challenge, scientists must develop the technology required to achieve an "evergreen" revolution—one that increases crop productivity without degrading natural resources. With 30 percent new material, the updated and revised third edition of *Growth and Mineral Nutrition of Field Crops* covers all aspects of crop growth and mineral nutrition that contribute to sustainable, high-yield agriculture. Bringing together international scientific knowledge of crop production and the impacts of agriculture on the environment, this book: Includes two new chapters on remediation of heavy-metal contaminated soils and cover crops; Covers theoretical and practical aspects of mineral nutrition of field crops; Provides recommendations for judicious use of fertilizers, which will reduce cost of crop production and enhance high crop yields without risking environmental pollution; Provides growth patterns for annual crops and forages; Includes a handful of color pictures of nutrient deficiencies for easy diagnostic purposes. To make the book as practical as possible, each chapter is supported by experimental results and extensive references. A large number of figures and tables are also included to save readers time when researching. The overall emphasis of this reference is on the soil's ability to sustain high crop yields and a healthy human population. (From IUSS Alert 68)

▲ **Facts about Global Warming. Rational or Emotional Issue?** By Kutílek, Miroslav and Nielsen,



Donald R., 2010, 227 pp. Essays in GeoEcology, Catena Verlag GMBH, Reiskirchen, Germany. ISBN 978-3-923381-58-6, US ISBN 1-59326-242-0. Price 45.00 € + mailing costs. The book is an essay about a politically abused problem which is not only a subject of climatologists but of utmost interest for researchers in the fields of Soil Science, Hydrology and Environmental Science dealing with the principles of sustaining life on our planet. In an easily understandable presentation the authors discuss comprehensive reports and peer-reviewed scientific publications on global warming, and how temperature of earlier time is estimated when thermometers did not exist. The underestimation of temperature of the Medieval Warm Period in many climatologic studies is critically reported. Stating that greenhouse effect is not the dominant cause of the recent climate change, the authors explain the role of eight factors acting upon the climate in the geological history of planet Earth. They show that climate change was important in man's evolution and in the development and crisis of civilizations. They do not consider the recent magnitude and speed of warming as a signal of an approaching catastrophe. Their analyses of analogical warming oscillations in the Holocene are found not to be dangerous for life, but quite the opposite. The catastrophic scenarios of approaching disasters caused by global warming are rationally rejected at the end. To order the book contact Catena Verlag, Ärmelgasse 11, D-35447 Reiskirchen, Germany, catenaverl@aol.com, or see www.catena-verlag.de (From IUSS Alert 68)

▲ **Soil Enzymology**. Series: Soil Biology, Vol. 22. Shukla, Girish; Varma, Ajit (Eds.) 1st Edition.,



2011, XVI, 385 p., Hardcover. ISBN: 978-3-642-14224-6. Soil enzymes are one of the vital key mediators involved in nutrient recycling and the decomposition of organic matter and thereby in maintaining soil quality and fertility. This Soil Biology volume covers the various facets of soil enzymes, such as their functions, biochemical and microbiological properties and the factors affecting their activities. Enzymes in the rhizosphere, in forest soils, and in volcanic ash-derived soils are described. Soil enzymes covered include

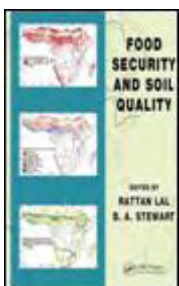
phosphohydrolases, lignocellulose-degrading enzymes, phenol oxidases, fungal oxidoreductases, keratinases, pectinases, xylanases, lipases and pectinases. Several chapters treat the soil enzymatic activities in the bioremediation of soils contaminated with pesticides and pollutants such as oil, chlorinated compounds, synthetic dyes and aromatic hydrocarbons. The role of soil enzymes as bioindicators is a further important topic addressed. (From IUSS Alert 68)

▲ Skeptical soil scientists

Skepticism about human-induced global warming is not fashionable, even dangerous, for scientists these days. It used to be that skepticism was the engine of scientific discovery, creativity and change. Two of our most experienced and distinguished soil scientists, Miroslav Kutilek and Don Nielsen, have produced an impelling long essay on the global warming issue. It's a bit of a page turner. It seems important and well worth reading. Mioslav Kutilek and Donald R. Nielsen 2009. Facts About Global Warming. 227 pp. Catena Verlag, Reiskirchen. <http://www.catena-verlag.de/ege586.htm> (From IUSS Alert 69)

▲ **Actualización en métodos y técnicas para el estudio de los suelos afectados por incendios forestales.** Title in English: *Review of methods and techniques for the study of soils affected by forest fires*. Edited by Artemi Cerdà (University of Valencia) and Antonio Jordán (University of Seville). Published by FUEGORED and Cátedra de Divulgació de la Ciència (University of Valencia) ISBN: 978-84-370-7887-8. More than 50 authors have worked in this book, edited by A. Cerdà and A. Jordán. This publication reviews methods and techniques for the study of soils affected by forest fires, including studies in the long, medium and short term. New approaches are included and some classical methods are updated. Each chapter provides laboratory and field, as well as examples of their application and interpretation of results. The book is divided into four sections, besides introduction and conclusions. These sections are dedicated to: i) the hydrological and erosive processes in areas affected by forest fires, paying attention to aggregate stability, soil water repellency and soil erosion studies at different scales; ii) the impact in chemical and physical properties of soils, including new approaches as NIR methodologies applied to the study of burning temperatures, the study of impacts in organic substances, acidity and other chemical properties, as well as the assessment of ashes; iii) methods and techniques for studying the impact of forest fires in ecosystems, post-fire hydrogeomorphological monitoring, image analysis, the assessment of changes in plant communities and the use of spectroradiometry as a tool for the study of fire severity; and iv) methods of studying the effects of wildfires in biochemical and microbiological properties. The text is aimed at Spanish language speaker students and researchers in the area of fire-affected soils, soil science, ecology and environmental sciences, as well as national and international policy makers and a number of organizations dealing with environmental protection and management of natural resources. (From IUSS Alert 69)

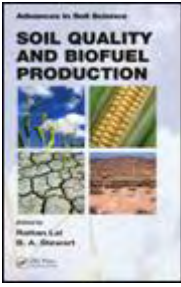
▲ Food Security and Soil Quality.



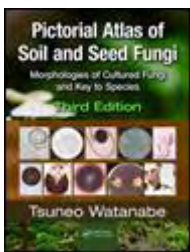
Edited by: Rattan Lal, The Ohio State University, Columbus, USA; B.A. Stewart, West Texas A&M University, Canyon, USA. Series: Advances in Soil Science. CRC Press. ISBN: 9781439800577. Just five years ago, it was generally believed that the number of food insecure people in the world was on continuous decline. Unfortunately, widespread soil degradation along with resistance to recommended agronomic practices, and little attempt to restore degraded soils have conspired with significant droughts (in regions that could least tolerate them) to swell the ranks of the food insecure to over a billion people. The U.N. Millennium Development Goals' intent to halve hunger by 2015 will not be realized. Food Security and Soil Quality brings together leading experts from across the world to provide a concise and factually supported exploration of the problem at hand and the critical steps needed to reverse it. This book does provide policymakers and others with an understanding of the depth, complexity, and immediacy of this crisis, but more than a call to action, it also offers soil scientists working in this area with an understanding of what is being done and what needs to be done. Most importantly, this book helps us understand that the situation is not beyond remediation were we to act with great resolve and a sense of urgency. (From IUSS Alert 69)

USA; B.A. Stewart, West Texas A&M University, Canyon, USA. Series: Advances in Soil Science. CRC Press. ISBN: 9781439800577. Just five years ago, it was generally believed that the number of food insecure people in the world was on continuous decline. Unfortunately, widespread soil degradation along with resistance to recommended agronomic practices, and little attempt to restore degraded soils have conspired with significant droughts (in regions that could least tolerate them) to swell the ranks of the food insecure to over a billion people. The U.N. Millennium Development Goals' intent to halve hunger by 2015 will not be realized. Food Security and Soil Quality brings together leading experts from across the world to provide a concise and factually supported exploration of the problem at hand and the critical steps needed to reverse it. This book does provide policymakers and others with an understanding of the depth, complexity, and immediacy of this crisis, but more than a call to action, it also offers soil scientists working in this area with an understanding of what is being done and what needs to be done. Most importantly, this book helps us understand that the situation is not beyond remediation were we to act with great resolve and a sense of urgency. (From IUSS Alert 69)

▲ **Soil Quality and Biofuel Production.** Edited by: Rattan Lal, The Ohio State University , Columbus , USA ; B.A. Stewart, West Texas A&M University , Canyon , USA. Series: Advances in Soil Science. CRC Press. ISBN: 9781439800737. In eight concise chapters, *Soil Quality and Biofuel Production* presents a state-of-the-knowledge review of soil properties and processes negatively impacted by crop residue removal. It outlines the ecological consequences of biofuels and evaluates land use in the production of raw material for biofuel. The book then spotlights pressing issues related to corn and cellulosic ethanol and also soil erosion. It offers advice for achieving economic balance in the competition for arable land between food and biofuel along with residue harvest management techniques. A thought-provoking discussion of the opportunities and challenges that biofuel presents rounds out the book's coverage. The logistics of producing biomass in a sustainable manner remain a major challenge and will continue to be so for the foreseeable future. Serious questions linger concerning viable sources of biofuel feedstock, competition for resources needed to produce biomass, and energy output/input ratios. *Soil Quality and Biofuel Production* provides environmental scientists and agricultural engineers with the knowledge they need to address them. (From IUSS Alert 69)

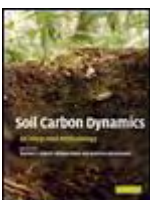


▲ **Pictorial Atlas of Soil and Seed Fungi: Morphologies of Cultured Fungi and Key to Species, Third Edition.** Tsuneo Watanabe, Institute for Biological Resources and Functions, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Ibaraki, Japan. CRC Press. ISBN: 9781439804193. Dr. Watanabe describes all fungi alphabetically under the orders of Oomycota, Zygomycota, Ascomycota, Basidiomycota, and Anamorphic (Deuteromycetous) fungi. For each genus, he includes type species, references, morphology, and materials. Morphologies of cultured fungi are briefly described and illustrated together with the description of the isolation sources and methods. The book illustrates all fungi alongside morphologies and colonies of their fresh agar cultures or dried specimens, providing ready access to morphologically similar fungi for quick comparison. Most of the fungi are isolated from soil, plant roots, and seeds, and the rest are from wood-inhabiting fruiting bodies, their spores, or the spore-like structures associated with them. They are mostly collected in Japan , but some are from the Dominican Republic , Paraguay , Switzerland , and Taiwan , R.O.C. (From IUSS Alert 69)

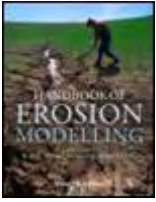


▲ **The American Dust bowl – revisited** There is a long review by Stanley Trimble of UCLA in the newish journal *Aeolian Research* of a book originally published some 30 years ago, Donald Worster's *Dust Bowl: the Southern Plains in the Nineteen Thirties*, OUP. The review seems well worth a read by the soil science community. See Trimble, S.W., 2010. Donald Worster's "Dust Bowl". *Aeolian Research* 2, 1-4. (From IUSS Alert 70)

▲ **Soil Carbon Dynamics. An Integrated Methodology.** Edited by: Werner L. Kutsch, Michael Bahn, Andreas Heinemeyer. Hardback, ISBN: 9780521865616, 2010. Cambridge UP 298 pp. Carbon stored in soils represents the largest terrestrial carbon pool and factors affecting this will be vital in the understanding of future atmospheric CO₂ concentrations. This book provides an integrated view on measuring and modeling soil carbon dynamics. Based on a broad range of in-depth contributions by leading scientists it gives an overview of current research concepts, developments and outlooks and introduces cutting-edge methodologies, ranging from questions of appropriate measurement design to the potential application of stable isotopes and molecular tools. It includes a standardised soil CO₂ efflux protocol, aimed at data consistency and inter-site comparability and thus underpins a regional and global understanding of soil carbon dynamics. This book provides an important reference work for students and scientists interested in many aspects of soil ecology and biogeochemical cycles, policy makers, carbon traders and others concerned with the global carbon cycle. (From IUSS Alert 70)



▲ **Handbook of Erosion Modelling.** Roy P. C. Morgan (Editor), Mark Nearing (Editor), ISBN: 978-1-4051-9010-7, Hardcover, 416 pages, December 2010, Wiley-Blackwell. Price €102.00.



The movement of sediment and associated pollutants over the landscape and into water bodies is of increasing concern with respect to pollution control, prevention of muddy floods and environmental protection. In addition, the loss of soil on site has implications for declining agricultural productivity, loss of biodiversity and decreased amenity and landscape value. The fate of sediment and the conservation of soil are important issues

for land managers and decision-makers. In developing appropriate policies and solutions, managers and researchers are making greater use of erosion models to characterise the processes of erosion and their interaction with the landscape. A study of erosion requires one to think in terms of microseconds to understand the mechanics of impact of a single raindrop on a soil surface, while landscapes form over periods of thousands of years. These processes operate on scales of millimetres for single raindrops to mega-metres for continents. Erosion modelling thus covers quite a lot of ground. This book introduces the conceptual and mathematical frameworks used to formulate models of soil erosion and uses case studies to show how models are applied to a variety of purposes at a range of spatial and temporal scales. The aim is to provide land managers and others with the tools required to select a model appropriate to the type and scale of erosion problem, to show what users can expect in terms of accuracy of model predictions and to provide an appreciation of both the advantages and limitations of models. Problems covered include those arising from agriculture, the construction industry, pollution and climatic change and range in scale from farms to small and large catchments. (From IUSS Alert 70)

▲ **Ecological Aspects of Nitrogen Metabolism in Plants.** Joe C. Polacco, Christopher D. Todd, ISBN: 978-0-8138-1649-4, Hardcover, 448 pages, March 2011. Price €156.00.



Ecological Aspects of Nitrogen Acquisition explores not only how plants compete for nitrogen in complex ecological communities. The book also looks in greater detail at the associations plants recruit with other organisms, ranging from soil microbes to arthropods, as nitrogen acquisition strategies, and how these contribute to individual and evolutionary fitness. The book is divided into four sections, each addressing an important set of relationships of plants with the environment and how this impacts the plant's

ability to compete successfully for nitrogen, often the most growth-limiting nutrient. *Ecological Aspects of Nitrogen Acquisition* provides thorough coverage of this important topic, and will be a vitally important resource for plant scientists, agronomists, and ecologists. (From IUSS Alert 70)

▲ **The Black Earth Ecological Principles for Sustainable Agriculture on Chernozem Soils.**



Series: International Year of Planet Earth, Vol. 10. Krupenikov, Igori Arcadie, Boincean, Boris P., Dent, David. Springer, 2011, X, 190 p. Hardcover. ISBN: 978-94-007-0158-8.

€99.95. Soil is the Earth's living skin. It provides anchorage for roots, holds water long enough for plants to make use of it and the nutrients that sustain life – otherwise the Earth would be as barren as Mars. It is home to myriad micro-organisms and armies of microscopic animals as well as the familiar earthworm that accomplish biochemical

transformations from fixing atmospheric nitrogen to recycling wastes; it receives and process all fresh water, provides the foundations for our built environment; and comprises the biggest global carbon store that we know how to manage. This book is about the best soil in the world - the black earth or chernozem: how it is being degraded by farming and how it may be farmed sustainably. Industrialisation of farming has laid bare contradictions between the unforgiving laws of ecology and economics. Soil organic matter is the fuel that powers soil systems and the cement that holds the soil together – and in place – but agriculture is burning it up faster than it is being formed: even the chernozem cannot long survive this treatment. Here is the evidence for this trend and, based on long-term field experiments, ecological principles for sustainable agriculture that can reverse the trend and, at the same time, feed the world. Unlike other volumes in the series, this is not an edited collection of scientific papers. (From IUSS Alert 70)

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Miodrag Zlatić (Editor)

GLOBAL CHANGE

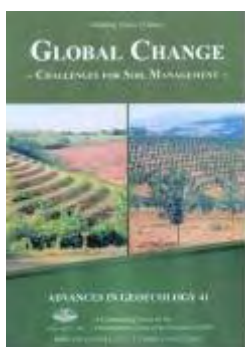
– CHALLENGES FOR SOIL MANAGEMENT –

Advances in GeoEcology 41

380 pages, numerous figures, photos and tables

2010, list price €139.00

ISBN 978-3-923381-57-9, US ISBN 1-59326-248-5



Soil, like air and water, is essential to life on earth. Over 90% of all human food and livestock feed are produced from the land and from soils that vary in quality and extent. Of the earth's 13,000 million hectares of ice free-land surface, only 3% is covered with highly productive soils, just 6% with moderately productive and 13% with slightly productive soils. The remaining 78% of the land has limitations that inhibit the sustainable cultivation of its soils sometimes even for grazing. However, it is in such marginal lands that most land and soil degradation occurs (Hurni et al., 1996). It is from this context that we launch this International Conference of the Land Conservation (LANDCON) with the hope of discovering new and better ways of counteracting the effects of land degradation and of building more secure and self-sustainable patterns of agricultural land husbandry. ... (from Editorial)

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▲ Conservation titles available free for developing country readers.

The British Ecological Society and the NHBS Environment Bookstore together are offering free ecology and conservation books to readers and professionals in developing nations. The aim of this scheme is to provide ecology and conservation books to those from outside Western Europe, North America, Japan, Australia and New Zealand who would otherwise be unable to obtain them. The simple purpose of this scheme is to spread ecological knowledge as widely as possible. This scheme is a collaboration between the British Ecological Society (who pay for the postage), the NHBS Environment Bookstore (who co-ordinate and organize the distribution) and the publishers and authors of the books (who provide the books for free). For further information, please see <http://www.nhbs.com/Conservation/gratis-books.php>.

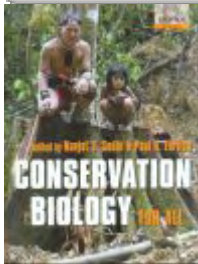
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Ian L Boyd, Don W Bowen and Sara J Iverson (Oxford University Press, 2010)

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Navjot S Sodhi and Paul R Erlich (Oxford University Press, 2010)

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▲ **Invasive Species Management** A handbook of techniques.

Edited by Michael Clout & Peter Williams (Oxford University Press, 2009)

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Kenneth Dodd (Oxford University Press, 2009)

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▲ **Habitat Management for Conservation** A handbook of techniques.

Malcolm Ausden (Oxford University Press, 2007)

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▲ **Irrigation and small dams**, due to be published October 1, 2011. **Contact** info@water-alternatives.org

▲ **Statistical Methods for Agricultural Field Experiments**

V. Katyal: *Principal Scientist (Ag. Stat.) Retd., Central Jute & Allied Fibers Research Institute, West Bengal, Central Soil Salinity Research Institute, Karnal, Haryana, Project Directorate on Cropping System Research, Meerut, Uttar Pradesh, (Indian Council of Agricultural Research) & B. Gangwar*, *Project Director & Principal Scientist (Agronomy), and Programme Facilitator (Cropping System Management), Project Directorate on Farming Systems Research, (Indian Council of Agricultural Research), Modipuram - 250 110, Meerut, Uttar Pradesh* **ISBN: 978-93-80235-42-4**

Price: Rs. 350.00 USD 20.00; Details: 2011, 148p., figs., tables.,ind.,23cm

The book consists of 12 chapters. The chapter-I is related to terminology in experimental design while the chapter-II devoted to completely randomized block design and randomized block design for agricultural experiments in the field. The Chapter-III is devoted to factorial experiments in randomized block design involving two or more factors. The Chapter-IV deals with partially confounded and fully confounded factorial experiments. The Chapter-V deals with split plot design and strip plot design. The Chapter-VI deals with repetition of experiments over years with sampling in agricultural trials at cultivator's fields, while Chapter-VII is related to

sustainability of crop sequences and treatments. The Chapter-VIII deals with analysis of trials at cultivators fields while the Chapter-IX deals with sampling techniques. Chapter-X deals with Co-relation and regression studies. The Chapter-XI spells out the Agronomic considerations and synthesis of system based results. The last Chapter-XII deals with methodology and procedures for farming systems research while the schedule for data collection for farming systems characterization and evaluation is given in appendix.

▲ Objective Agriculture Statistics

K.S Kushwaha: *M.Sc., P.S.C.C., Ph.D. (Statistics), Recipient of Dr. Radha Krishnan Award (1992) Associate Professor & Head (Statistics), Department of Mathematics & Statistics, Jawaharlal Nehru Krishi Vishwavidyalaya, Adhartal, Krishak Nagar, Jabalpur 482 004, Madhya Pradesh (India) ISBN: 978-93-80235-61-5*

Price: INR 295.00; Details: 2011, 322 p., figs., tables, 25cm

The book entitled “Objective Agriculture Statistics” has been designed for all P.G. Students of “Pure Statistics, Agricultural Statistics, Biological & Social Sciences” and those who have to appear in competitive examinations of I.S.S., S.S.S., I.A.S., State’s P.S.C.’s. This book is useful for faculties of “Department of Statistics” of Indian Universities. The book is the outcome of 26 years of teaching experience of U.G., P.G. and Ph. D. students of different disciplines of Agriculture, Agil. Engg. and Agril. Statistics. in J.N.K.V.V. Jabalpur. The content of the book covers the syllabus on the topics “The Theory of Sample Survey Design, Designs of Experiment, ANOVA, ANCOVA Techniques, Transformation of Original Data and Non Parametric Methods.” The book contains 19 chapters, out of which chapters (1 - 8) deal with “The Theory of Sample Survey Design”, the chapters (9 - 17) deal with “Designs of Experiments” and chapters (18 & 19) deal with “Transformation & Non Parametric Methods”. In each chapter, three types of question “True/False, Fill in the Blanks and Multiple choice questions” along with the key answers have been provided.

▲ Tractors and Agricultural Machinery

K. Srinivasan, V. V. Narayanan, Sanjeev Kumar Singh and L. Geetha Lakshmi: *Research and Development Wing, Tractors and Farm Equipment Limited, 35, Nungambakkam High Road, Nungambakkam, Chennai - 600 034, Tamil Nadu, India ISBN: 978-93-80235-60-8*

Details: 2011, 228p., figs., tables.,16 col. plts., ind., 25cm

Price: INR 695.00 USD 35.00

This book covers basic information and working of different sub assemblies that make a tractor. Besides, an extensive coverage is also provided on various implements, equipment and machinery developed for various agricultural operations viz., land preparation, sowing/planting, weeding, plant protection, harvest, threshing, post harvest and agro processing. Information on agriculture related sections like special tools and equipment used in horticulture, water lifting devices and calibration of seed drills has also been given.

The wealth of information provided in this book would cater to the long felt need of graduate students in the agricultural engineering and regular engineering colleges. This book will also serve as a guide and an invaluable reference for the teaching staff in the educational institutions and testing institutions, extension workers, scientists and farmers.

▲ Encyclopedia of Agricultural Meteorology

L K Dhaliwal , S S Hundal & Barun Biswas: *Faculty, Department of Agrometeorology, Punjab Agricultural University, Ludhiana, Punjab*

ISBN: 978-93-80235-54-7; Details: 2011, 218.,tabls.,appendix.,25cm

Price: INR 595.00 USD 35.00

This book is intended to provide basic understanding about the terminology used in Agricultural Meteorology for Post-graduate as well as undergraduate students and scientists carrying research in this field. The book has been explicitly designed to expose the students to all important concepts and definitions in Agrometeorology. In addition to terminology in Agricultural Meteorology, the book also includes some related/relevant terms in soils, agronomy, plant physiology and hydrology.

This book would be immensely useful to students preparing for various competitive examinations conducted by ICAR. It would also be a useful handy source for teachers in the subject for imparting education in Agrometeorology to the students.

▲ Irrigation Systems Engineering

Balram Panigrahi : *Professor and Head, Department of Soil and Water Conservation Engineering, Orissa University of Agriculture and Technology, Bhubneshwar 751 003, Orissa, India*

ISBN: 978-93-80235-38-7; Details: 2011, 346p., tabs., figs., ind., 25cm;

Price: INR 990.00 USD 45.00

This book for agriculture and agricultural engineers and will be very much helpful for the in irrigation. It is designed to guide students from a basic knowledge of soil, mathematics, hydrologic and hydraulics to the state-of-the-art irrigation system design and management.

The primary aim of the book is to design an optimum size small scale water harvesting structures used by the farmers in the farms. The book explains principles and concepts of farm irrigation in a simple manner to maximize the students learning, understanding and motivation. The method and order of presentation have

been carefully developed and classroom tested to make this book a useful and effective teaching tool. The book will not only be a helping tool to the students and teachers in agriculture and agricultural engineering but also to all the practicing engineers, agriculturists, soil conservationists and agricultural extension workers who deal directly or indirectly with water management and other associated farm development works. The book contains 23 solved problems, 238 short and long type questions, 42 tables, 55 figures and more than 138 references which will be immensely helpful to the students and design engineers. Several field experimental results have also been incorporated in the book at appropriate sections to make the book interesting for the readers.

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REPORTS

▲ Please find a description of a **report on GHG** released by ASA, CSSA, and SSSA which can be downloaded from the following link. <https://www.agronomy.org/files/science-policy/ghg-report-august-2010.pdf>.

▲ **Water Environment Research Foundation (WERF) – Sustainable Water Resources Management Volume 3: Case Studies on New Water Paradigm (DEC6SG06a)**

This report provides a water management paradigm that focuses on sustainability goals, sustainability operating principles, integrated technological architecture, institutional capacity, and adaptive management. This report will assist communities in developing a new approach to water management, and will benefit the following sectors: public water supply, stormwater management, and wastewater treatment. For more information and to view the report, visit

<http://www.werf.org/AM/Template.cfm?Section=Home&TEMPLATE=/CM/HTMLDisplay.cfm&CONTENTID=15295>

▲ **Resource Enhancement and Protection (REAP) and Clean & Green Evaluation Reports**

The Joint Legislative Budget and Finance Committee released evaluations on the REAP farm conservation tax credit program and the Clean & Green farmland preferential assessment program. The report on the REAP tax credits found that the projects funded have had a positive environmental impact, providing reductions in over 1 million pounds of nitrogen, 74,238 pounds of phosphorus, and 64,329 tons of sediment from the tax credits provided through 2009. The report on Clean & Green found that the program continues to provide financial incentives for property owners to continue agricultural and forest uses. To view the reports, visit

<http://lbfc.legis.state.pa.us/> Click on "Reports Released", then Select "Pennsylvania's Tax Credit Programs" in the Community and Economic Development Section.

▲ Please see in this link (<http://unddd.unccd.int/europe-launch.htm>) a report from the Launching of the **UN Decade of Deserts and the Fight against Desertification (2010-2020)** by UNCCD that was held in London last December. During my participation I made several references to different soil initiatives including the ones related to WASWAC. Please consider if the report could be of interest to WASWAC Members.

Warm regards,

José Luis Rubio jose.l.rubio@uv.es

President of the European Society for Soil Conservation
Centro de Investigaciones sobre Desertificación- CIDE
(CSIC, Universitat de Valencia, Generalitat Valenciana)
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ESSC Web: <http://www.essc.sk>

Personal Web: <http://www.uv.es/~jlrubio>

▲ **National Commission on the BP Deepwater Horizon Oil Spill Final Report**

The Oil National Commission on the BP Deepwater Horizon Oil Spill released their final report detailing the facts and circumstances that contributed to the BP Deepwater Horizon disaster. The report also provides options to protect against potential future spills from offshore drilling. To view the report, visit <http://www.oilspillcommission.gov/>

▲ EPA Completes Research to Inform Development of New Recreational Water Quality

Criteria The U.S. Environmental Protection Agency (EPA) has completed studies for developing new or revised water quality criteria for recreational waters by October 2012. The new or revised criteria will replace current criteria established in 1986. This criterion is to be sued by states, tribes and territories for adopting new water quality standards to protect the public from fecal contamination in the water.

EPA WaterHeadlines To read the completion notices and reports, visit

<http://water.epa.gov/scitech/swguidance/waterquality/standards/criteria/health/recreation/index.cfm>

▲ New institutional support for System of Rice Intensification.

A new publication on SRI, *More Rice for People, More Water for the Planet*, released by Oxfam together with WWF and Africare, was launched at an event at the US Agency for International Development in Washington, DC The report highlights the experiences of the three organizations' work with SRI in Vietnam, India and Mali. Evidence presented demonstrates that, although implemented in very different cultures and climates, the pattern is the same: farmers are able to produce more rice using less water, agrochemical inputs, and seeds, and often with less labor. The net effect is to improve household incomes and food security while reducing negative environmental impacts and making food production more resilient. EcoAgriculture Partners President Sara Scherr spoke at the event, discussing SRI as part of a broader agricultural strategy with ecosystem benefits The report is available at <http://www.oxfamamerica.org/publications/more-rice-for-people-more-water-for-the-planet/>.

HANDBOOKS, MANUALS, GUIDELINES



▲ Multilingual thesaurus on land tenure

The question of land tenure is returning on the agenda and many countries are showing renewed interest in the different ways of accessing natural resources with a view to eventually introducing land reforms, in the context of food security, world-wide poverty alleviation, environmental protection or quality of life. This is why the Food and Agriculture Organization of the United Nations (FAO) and the Technical Centre for Agricultural and Rural Cooperation (CTA) has prepared this multilingual thesaurus. This comprehensive reading covers the socio-cultural differences in the field of land tenure of the linguistic contexts in which they are found. It is hoped that this publication will contribute to clarifying the debate on land subjects as well as to making the related field interventions more efficient thanks to the presentation of an unambiguous or unequivocal terminology of the various subject matters related to land tenure. It can serve as a reference document for researchers, field experts and decision-makers. The thesaurus is available in **English, French** and **Spanish** and can be ordered via CTA online PPgis.net catalogue.

▲ **Quoting the soil:** “The soil itself must be the object of observation and experiment and the facts obtained must be soil facts before they can be incorporated into soil science. The science of zoology was developed through the study of animals, that of botany through the study of plants, and soil science must be developed through the study of the soil.” by C. F. Marbut (1920). “Ancient poetry and mythology suggest, at least, that husbandry was once a sacred art; but it is pursued with irreverent haste and heedlessness by us, our object being to have large farms and large crops merely. We have no festival, nor procession, nor ceremony, not excepting our cattle-shows and so-called Thanksgivings, by which the farmer expresses a sense of the sacredness of his calling, or is reminded of its sacred origin. It is the premium and the feast which tempt him. He sacrifices not to Ceres and the Terrestrial Jove, but to the infernal Plutus rather. By avarice and selfishness, and a grovelling habit, from which none of us is free, of regarding the soil as property, or the means of acquiring property chiefly, the landscape is deformed, husbandry is degraded with us, and the farmer leads the meanest of lives. He knows Nature but as a robber” From *Walden* (1854) by Henry David Thoreau. And many more soil quotes at [wikiquote here](#) (From IUSS Alert 65)

▲ **Directory of Geoscience Organizations of the World:** The Geological Survey Planning and Coordinating Office of the Geological Survey of Japan National Institute of Advanced Industrial Science and Technology (AIST) has produced a Directory of Geoscience Organizations of the World. Although much information can be obtained instantly through the internet today, this directory includes major government/quasi-government organizations throughout the world and is a handy reference. The Geological Survey of Japan, AIST compiles and publishes both paper-based and digitized version of the directory for convenience of those who are concerned with earth sciences. The directory is available as html and PDF www.gsj.jp/Intl/index-e.htm (From IUSS Alert 65)

▲ NPDES Permit Writers' Manual (September 2010 Edition)

The U.S. Environmental Protection Agency (EPA) has released a new edition of the NPDES Permit Writer's Manual, first released in 1996. The manual provides a comprehensive overview of the National Pollutant Discharge Elimination System (NPDES). This edition has been updated to reflect current policy and guidance and address changes to the NPDES program. For more information and to view the manual, visit http://cfpub.epa.gov/npdes/writermanual.cfm?program_id=45

▲ Pennsylvania MS4 Stormwater Management Tool

The Pennsylvania Environmental Council and Stormwater PA are providing a new online system, the PA MS4Web™ Permit Manager Software, to assist municipalities with improving their stormwater management programs. It is currently being piloted in 7 municipalities within southeastern Pennsylvania. The software will assist with the development of the SWMP, schedule and track implementation activities, and produce annual reports. For more information, visit <http://www.stormwaterpa.org/ms4web-permit-manager.html>

▲ Recently published: Farmland Birds across the World.

Farmlands, collectively, form the largest habitat on the globe, supporting a huge variety of birds. *Farmland Birds across the World*, edited by Wouter van der Weijden, Paul Terwan and Andriaan Guldmond, and published by Lynx Edicions, is the first global review of farmland birds, and was written by seven experts in biology and agriculture and compiled by the Dutch Centre for Agriculture and Environment (CLM). It covers all the major farmland habitats of the world, from grasslands to rice fields, and from arable land to coffee cultivations, detailing them with pictures. The book also identifies the many challenges that farmland birds face, such as intensification and greater mechanization of farming as well as opportunities available for protecting and supporting farmland birds, and actions that can and have been taken. *Farmland Birds across the World* is aimed at a wide audience: the conservation and farming communities, birdwatchers, the food industry, policy makers, and other people interested in sustainable farming, food and birds. It is available at <http://www.lynxeds.com/product/farmland-birds-across-world>.

▲ **Technical Documents for Proposed Revisions to the Delaware Sediment & Stormwater Regulations** The Delaware Sediment & Stormwater Program has released this technical document to support upcoming revisions to the Delaware Sediment & Stormwater Regulations. Many of the documents have been reviewed and discussed by various Subcommittees. The complete Technical Document will be completed once all of the individual elements have been developed. All of the draft documents are currently available for review. http://www.swc.dnrec.delaware.gov/Drainage/Pages/Technical_document.aspx

▲ PA DCNR Watershed Conservation Plans

The PA Department of Conservation and Natural Resources (DCNR) approved four Watershed Conservation Plans including the Connoquenessing Creek (Allegheny, Beaver, Butler and Lawrence Counties), Little Neshaminy Creek (Montgomery and Bucks Counties), Paxton Creek (Dauphin County), and Poquessing Creek (Bucks Montgomery and Philadelphia Counties). For more information, visit the Rivers Conservation Registry at <http://www.dcnr.state.pa.us/brc/rivers/riversconservation/registry/>
For more information on the Pennsylvania Rivers Conservation Program, visit <http://www.dcnr.state.pa.us/brc/rivers/riversconservation/>

▲ **Consumer Product Safety Commission's Public Playground Safety Handbook, Publication #325, November 2010** This new edition replaces the 2007 version, which was inconsistent with the ASTM F1487 specification. Though there are still some differences, many sections have been replaced and/or modified. <http://www.cpsc.gov/CPSCPUB/PUBS/325.pdf>

▲ PA DEP – Riparian Forest Buffer Guidance

This final guidance provides recommendations for the installation and protection of riparian forest buffers. Riparian buffers reduce point and nonpoint source pollution to streams. These recommendations are provided for regulatory, voluntary, and grant programs. The document explains the functions and benefits of riparian forest buffers and the importance of protecting and enhancing these buffers.
John Hanger, Secretary, PA Bulletin, 40 Pa.B. 6844, November 27, 2010
<http://www.pabulletin.com/secure/data/vol40/40-48/2277.html>

▲ Riparian BUFFers – Making our Riparian Areas Strong (4-H project book)

The Penn State Cooperative Extension and the Pennsylvania 4-H Program have developed a new 4-H project book discussing the importance of healthy riparian buffers along stream corridors. This book provides hands-on activities and information on providing maintenance to a recently restored riparian buffer. Youth that are involved in Riparian BUFFers 4-H projects will learn valuable lessons and assist landowners with maintaining buffer restoration projects. *Penn State Cooperative Extension, December 10, 2010*
<http://extension.psu.edu/water/discovery-watersheds/newsletter/news/2010/new-opportunity-for-combining-education-and-community-service>

NEWSLETTERS/BROCHURES/BULLETINS/MAGAZINES



Professional Alliance for Conservation Agriculture

PACA is a CASA-Society STADD initiative focused on bringing about a change in agriculture for the benefit of farmers and environment

Good wishes for 2011 and a warm welcome to our first issue of this year that can be downloaded from <http://www.conserveagri.org/PACA%20NL17.pdf>.

▲ From: **Corbeels Marc** <corbeels@cirad.fr>

Date: Mon, Feb 7, 2011 at 10:18 AM

Subject: CA2Africa Newsletter N°1

To: amirkassam786@googlemail.com

1 File (2295KB)



[CA2Africa Newsletter N°1.pdf](#)

Dear Dr. Kassam,

Attached is the Newsletter N°1 of the EC-funded CA2Africa project on analysing and understanding the impact and adoption of Conservation Agriculture in Africa.

I would very much appreciate if you could circulate this newsletter via the CA-CoP-L list.

Comments or contributions can be sent to marc.corbeels@cirad.fr.

Many thanks,

Marc Corbeels

Marc Corbeels

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January Medal Member Recognition

Research & Technology Briefs

Upcoming Conservation Events

▲ Newsletter History, Philosophy, and Sociology of Soil Science

The 2011 History, Philosophy, and Sociology of Soil Science newsletter has been published. This latest edition of the newsletter includes information on the history, philosophy, and sociology sessions at the 2010 WCSS and SSSA meetings, news items, articles, book reviews, and information on new history, philosophy, and sociology publications. The newsletter can be viewed by going to www.iuss.org, clicking on "IUSS Newsletters", and then scrolling down to "Commission for History, Philosophy, and Sociology of Soil Science." (From IUSS Alert 69)

▲ IISD RS is pleased to announce that the newest issue of MEA Bulletin is now available. The **107th issue of MEA Bulletin** includes reports on: the first Intersessional Meeting for the 2012 UN Conference on Sustainable Development (UNCSD, or Rio+20) and preparations for UNCSD; preparations for the first meeting of the Intergovernmental Committee for the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization; and efforts by the Convention on Migratory Species for the adoption of an action plan to ensure the conservation of migratory grassland birds and their habitats in South America. The guest article, titled "Ethics, Justice and the Convention on Biological Diversity," was authored by Balakrishna Pisupati and Doris Schroeder. To read past issues and to sign up to receive the PDF version, visit: <http://www.iisd.ca/email/mea-l.htm>

UNESCO-ISI Newsletter No.18

Saturday, October 9, 2010 2:35 PM
From:

[This sender is DomainKeys verified](#)

"LIU C." <cliu.beijing@gmail.com>

Message contains attachments 1 File (883KB)



[ISI Newsletter No.18.pdf](#)

File: ISI_Newsletter_No.18.pdf [Download File](#)

Dear friends and colleagues,

Attached please find the UNESCO-IHP-ISI Newsletter No. 18, any comments and suggestions are welcomed.

The UNESCO IHP-ISI has its websites at: <http://www.irtces.org/isi/> and ISI Information System at: <http://www.irtces.org/isi/info.asp>. ISI also has a quarterly newsletter which brings you the latest news, information and events. Please send your contributions to the Chairman of ISI SC at manfred.sprefico@googlemail.com or ISI technical Secretariat at chliu@iwhr.com.

I would appreciate your kind cooperation to further disseminate this newsletter in your networks.

Best Regards.

Sincerely yours, LIU Cheng
ISI Technical Secretariat
IRTCES under the auspices of UNESCO

=====

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ISI URL: <http://www.irtces.org/isi/>

▲ UNESCO-ISI Newsletter No.19

Wednesday, January 12, 2011 3:47 AM
From:



• [ISI Newsletter No.19.pdf](#)

Dear friends and colleagues,

Attached please find the UNESCO-IHP-ISI Newsletter No. 19, any comments and suggestions are welcomed.

The UNESCO IHP-ISI has its websites at: <http://www.irtces.org/isi/> and ISI Information System at: <http://www.irtces.org/isi/info.asp>. ISI also has a quarterly newsletter which brings you the latest news, information and events. Please send your contributions to the Chairman of ISI SC at manfred.sprefico@googlemail.com or ISI technical Secretariat at chliu@iwhr.com.

I would appreciate your kind cooperation to further disseminate this newsletter in your networks.

LIU Cheng
ISI Technical Secretariat, IRTCES under the auspices of UNESCO

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ISI URL: <http://www.irtces.org/isi/>

▲ Warm greetings from everyone at the Equator Initiative and Happy New Year! I am pleased to present to you the latest issue of **Between the Lines**, which I hope you enjoy. The newsletter is available for download at: [Between the Lines December 2010 The Equator Initiative](#)

▲ Contact "Giovanni Malfatti" <GMalfatti@saipatform.org>



▲ **TerrAfrica Newsletter Issue 4 highlights Country-level Sustainable Land Management Investments.**

The newsletter discusses national sustainable land management (SLM) investments, as well as climate change and sustainable water management and Strategic Investment Programme Implementation. The TerrAfrica Newsletter provides current news and issues in sustainable land management initiatives in Africa. Issues may be found at <http://archive.constantcontact.com/fs007/1102608312694/archive/1102941125555.html> where you may sign up for the newsletter. For further information, also see www.terrafrica.org.

▲ **Biodiversity and Agricultural Commodities Program Newsletter Issue 7 Released.**

Highlights include an article entitled "Business Case for Biodiversity" about a global study by The Economics of Ecosystems and Biodiversity (TEEB, www.teebweb.org) and a video with Jason Clay on "How Big Brands Can Save Biodiversity"

http://www.ted.com/talks/jason_clay_how_big_brands_can_save_biodiversity.html. The BACP newsletter is administered quarterly by Chemonics. Please send comments, questions, or other feedback to BACPPMU@chemonics.com.

SOIL Action Newsletter - European Soil Portal:

<http://eusoils.jrc.ec.europa.eu> Volume 20, August 2010

LAND QUALITY 2011 conference Registration open

Download the Newsletter: [PDF Format](#) or [HTML Format](#).

Questions or Comments? E-mail us at

panos.panagos@jrc.ec.europa.eu , marc.vanliedekerke@jrc.ec.europa.eu or call us 0039-0332-785574, 0039-0332-785179

More Details

Newsletter Spotlight

The 'Land Quality and Land Use information in the European Union' conference, organized

by the Hungarian Academy of Sciences, University of Pannonia and the European

Commission (Eurostat, DG Environment, JRC) will take place in **Keszthely, Hungary** on

26-27 May 2011. Among the goals of the conference is to enhance the understanding of the role of land quality in rural systems and to progress the development of land information, land use planning and related services based on land quality on different levels; from farm to continental scales. <http://landq2011.uni-pannon.hu/>



6th International Congress of the European Society for Soil Conservation "Innovative Strategies and Policies for Soil Conservation". Thessaloniki, GREECE - May, 9-14 2011.

The accepted congress abstracts will be printed in Abstract book and distributed at the Conference. Selected papers will be published to an international scientific journal.

<http://www.essthessalonikicongress.gr/>

6th International Congress of the European Society for Soil Conservation

Options for Climate change mitigation in agricultural soils and impact on crop and grassland production.

More vacancies in IES/JRC: 3 Open positions for GrantHolders and 15 Available Positions for Trainees (deadline 28/09/2010) Climate change. Food security. Water resources. Biodiversity, Governance and Policy. These evocative titles are not issues that, in the eye of the Public and Politicians, are easily linked to soils scientists. **Wageningen, The Netherlands, 18-22 September 2011.**

Traineeship in Soil Action <http://eusoils.jrc.ec.europa.eu/vacancies/>

Wageningen Conference on applied soil science

12th International Symposium on Soil Science and Plant Analysis

12th ISSPA will be held in **Chania, Crete, Greece** on **June 5-10, 2011**.

This forum, organized by the Soil and Plant Analysis Council, will bring together agricultural and natural resource scientists from around the world to disseminate information on methodology, interpretation and application of soil, plant and water.

<http://www.isspaonline.org>

<http://www.wageningensoilmeeting.wur.nl/UK/>

Reminder: The Environment Directorate-General and the Joint Research Centre of the European Commission will host a high-level conference on 'Soil, climate change and biodiversity: where do we stand?' in Brussels (Belgium) on 23-24 September 2010

Conference 'Soil, Climate Change and Biodiversity – Where do we stand?'

Reminder: European Soil Bureau Network plenary meeting will be held on the premises of DG Environment in Brussels from the 21st-22nd September. More Information:

http://eusoils.jrc.ec.europa.eu/esbn/esbn_meetings.html

▲ SOIL Action Newsletter - European Soil Portal:

<http://eusoils.jrc.ec.europa.eu> Volume 21, September 2010

Atlas of Soil Biodiversity

The JRC published, for the first time, an indicatorbased map of potential threats to soil biodiversity, in order to guide decision-makers in protecting this crucial resource. The biodiversity within our soils plays a vital role in agriculture and in the water and carbon cycle.

The atlas brings to the public view the whole range of life in the soil and the crucial role it plays in maintaining other ecosystems. It also highlights areas within Europe where soil biodiversity is most at risk of decline relative

to the current situation. The publication provides a comprehensive source of information for researchers, policy

makers and teachers. This visually stunning publication, coordinated by the JRC Institute for Environment and Sustainability (IES), uses striking photographs, informative texts and maps to explain and illustrate the great diversity of life in the across Europe. Information about "How to get a Copy of the Atlas?" is also available. Free download of PDF version of the atlas.

http://eusoils.jrc.ec.europa.eu/library/maps/biodiversity_atlas/

Sino-EU Panel on Land and Soil

Recognizing the interdependences between land resources and socio-economic systems in Europe and China, the leaderships of the European Commission and the Chinese Academy of Sciences launched a joint initiative to establish a formalized platform to discuss major issues of mutual interest in the land and soil domain. The Sino-EU Panel on Land and Soil (SEPLS) has been established on 29 June, 2010, in Ispra, Italy to serve this need.

Leading soil scientist and land system researchers of China and the EU formed the Panel, which has the following mandate: "The Sino-EU Panel on Land and Soil is a scientific body with a goal to provide decision makers in Europe and China with a clear scientific view on the current state of land and soil resources and potential environmental and socioeconomic consequences of their future utilization patterns."

<http://eusoils.jrc.ec.europa.eu/InternationalCooperation/SEPLS/>

ESBN Plenary 2010

The annual European Soil Bureau Network (ESBN) plenary meeting was hold on the premises of DG Environment in Brussels from the 21st-22nd September. The plenary focused on the presentation of the ESBN Working Groups and the harmonisation of soil data in Europe. The second day has focused on the presentation of projects related to data harmonization (E-SOTER, GlobalSoilMap.net, GS-SOIL). The presentations of the 2-days plenary are available for internet users.

http://eusoils.jrc.ec.europa.eu/esbn/esbn_meetings_plenary2010.html

GlobalSoilMap.net

This project aims to make a new of the world using state-of-the-art technologies for soil mapping and properties at fine resolution. The



digital soil map and emerging predicting soil Joint Research

Centre of the European Commission (Italy) is the node for the Eurasia part. In September 2010, the Consortium Agreement has been signed by all node leading and supporting institutes.

<http://eusoils.jrc.ec.europa.eu/InternationalCooperation/GlobalSoilMap.net/>

Questions or Comments? E-mail us at panos.panagos@jrc.ec.europa.eu, marc.vanliedekerke@jrc.ec.europa.eu or call us 0039-0332-785574, 0039-0332-785179

▲ The most recent edition of [Nature & Faune magazine \(Volume 24, Issue No.2\)](#) is now available. This latest issue explores the complex subject of Natural resource tenure systems and their implication for agriculture, food security and nature conservation in Africa. It argues that the absence of clear understanding of the complexities and implications of natural resource tenure systems in Africa poses a key challenge in achieving sustainable development on the continent.

Nature & Faune magazine is a flagship publication of the United Nations Food and Agriculture Organization's Regional Office for Africa. It is published in **English** and **French**.

The theme of the next issue is "Climate change implications for agricultural development and natural resources conservation in Africa"; articles and suggestions can be sent to: nature-faune@fao.org. Please visit the website (<http://www.fao.org/africa/publications/nature-and-faune-magazine>) for current and past issues.

JOURNAL

▲ Launch of the Journal of Environmental Studies and Sciences (JESS).

The National Council for Science and the Environment (NCSE) recently launched the official publication of the Association for Environmental Sciences and Studies (AESS). The Journal will be issued quarterly in electronic and hard copy by Springer Publications beginning in early 2011. AESS is an independent professional association designed to serve the needs of environmental scholars, scientists, practitioners and students who value interdisciplinary approaches to research, teaching and problem-solving, with NCSE serving as Secretariat. The AESS and Journal provide venues for the advancement of interdisciplinary approaches to the study of the coupled human-nature systems. Those interested can join as a member and become an original subscriber to the Journal. For more information about AESS, please visit <http://www.aess.info/>.

Articles

The watershed approach: Challenges, antecedents, and the transition from technical tool to governance unit

Alice Cohen and Seanna Davidson

Water Alternatives 4(1): 1-14

[Abstract](#) | [Full Text - PDF](#)

Sharing water with nature: Insights on environmental water allocation from Australia

Becky Swainson, Rob de Loë and Reid Kreutzwiser

Water Alternatives 4(1): 15-34

[Abstract](#) | [Full Text - PDF](#)

Deluges of grandeur: Water, territory, and power on Northwest Mexico's Río Mayo, 1880-1910

Jeffrey M. Banister

Water Alternatives 4(1): 35-53

[Abstract](#) | [Full Text - PDF](#)

Participation as citizenship or payment? A case study of rural drinking water governance in Mali

Stephen Jones

Water Alternatives 4(1): 54-71

[Abstract](#) | [Full Text - PDF](#)

Indus basin floods of 2010: Souring of a Faustian bargain?

Daanish Mustafa and David Wrathall

Water Alternatives 4(1): 72-85

[Abstract](#) | [Full Text - PDF](#)

Perceived power resources in collective action situation

Insa Theesfeld

Water Alternatives 4(1): 86-103

[Abstract](#) | [Full Text - PDF](#)

Book Reviews

Power and water in the Middle East: The hidden politics of the Palestinian-Israeli water conflict (Zeitoun, M.; 2008).

Larry Swatuk

Water Alternatives 4(1): 104-105

[Full Text - PDF](#)

Water ethics. Foundational readings for students and professionals (Brown, P. and Schmidt, J., Eds, 2010).

David Groenfeldt

Water Alternatives 4(1): 106-109

[Full Text - PDF](#)

Journal Contents - JFAE Vol 8, Issue (3&4), October 2010]

Wednesday, December 29, 2010 12:57 AM

From:

"WFL Publisher" <info@world-food.net>

To: isfae@isfae.org

22 December 2010

Dear Colleague,

We have the great pleasure to inform you about the new articles published recently in the scientific journal JFAE, Vol8(4) October 2010 (WFL Publisher)

<http://www.world-food.net/scientificjournal.php>

<http://www.isfae.org/subjectarea.php#indexing>

<http://www.world-food.net/>

We offer a temporary free online access to JFAE. We encourage scientists, experts or students to cite articles published in JFAE as much as possible, while submitting articles to JFAE, as well as to other journals.

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Password: blida0900

Authors are kindly invited to submit manuscripts reporting recent developments in their fields. The submitted papers must describe original research not published nor currently under review by other journals. All submitted papers, if relevant to the theme and objectives of the journal, will go through an external peer-review process again. For more details, we kindly invite you to visit the journal website: <http://www.isfae.org/publishurwork.php>

We invite you or your library to make a link with the journal website <http://www.world-food.net/scientificjournal.php>

Kindly forward this message to your colleagues, experts, students or libraries.

We welcome your comments or suggestions.

Raina Niskanen PhD.
Editor

--

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[Download the Eijkelkamp Irrigation Management brochure here](#)

<http://www.eijkelkamp.com/Portals/2/Eijkelkamp/Files/P050e%20Research%20equipment%20for%20irrigation%20management.pdf>



PROCEEDINGS – PAPERS

▲ **International Conference on Payment for Ecosystem Services in Eastern and Central Africa, 20th – 22nd October 2010, Jinja, Uganda**

This conference, organized by the 'Project on methods for valuations, attribution, and compensation for environmental services in Eastern and Central Africa' and funded by the Association for Strengthening Agricultural Research in East and Central Africa (ASARECA), focused attention on the current and potential PES activities taking place in the region. While the conference touched generally upon technical and policy aspects of conservation of natural resources, particular attention was given to how PES can enhance rural livelihoods and food security. Programs already underway, such as the FAO and UNEP Kagera Transboundary

Agro-ecosystem Management Programme (TAMP), identified potential partners to incorporate PES activities into projects. International, national, and non-governmental organizations were in attendance, as well as a few universities from the region. Anticipated follow-up from the meeting includes an inventory of PES activities in the region, a learning alliance to share knowledge and experiences, and increased capacity building on the ground. Read the call for papers issued for the conference here.

Visit the Kagera TAMP website to learn more about the programme.

▲ **Carbon Standards in Agricultural Production and Trade Seminar, 26th October 2010, São Paulo, Brazil.**

Held jointly by the Federação des Indústrias de Estado de São Paulo (FIESP) and the International Policy Council on Food and Agricultural Trade (IPC), this seminar highlighted opportunities for aligning carbon counting and the agricultural sector. Experts on agriculture, trade, and environmental issues, agricultural industry executives, and policy makers attended sessions on measuring carbon, policy issues, and the place of biofuels. Efforts in the dairy sector were showcased, with emphasis on how carbon has been incorporated into the value chain and balancing sustainable natural resource management with increased economic incentives for farmers. The website provides background reading and presentations.

▲ **Carbon Farming Conference, 26th - 29th October 2010, New South Wales, Australia**

The Carbon Farming Conference mentioned in the last newsletter took place at the end of October. Slides from presentations on carbon offsetting methodologies and Australia's Carbon Farming Initiative can be found on the website.

▲ **[Proceedings of the 12th Annual BIOECON Conference "From the Wealth of Nations to the Wealth of Nature: Rethinking Economic Growth"](#)**: The 12th Annual BIOECON Conference, held in Venice on 27-28 September 2010, was devoted to the identification of the most effective and efficient instruments for biodiversity conservation, such as auctions of biodiversity conservation contracts, payment-for-services contracts, taxes, tradable permits, voluntary mechanisms and straightforward command and control measures. In addition, a significant portion of the research presented in the conference has focused on analysing the impacts and dependencies of different businesses on biodiversity and ecosystems, and the potential contributions of corporations to a more resource-efficient economy. (PCLG News 038, January 2011)

▲ **All papers now online:** The conference proceedings from the 19th World Congress of Soil Science held in August in Brisbane are now online available at www.iuss.org The papers can be browsed by [Symposia](#) or searched by [First Author](#) or the [Title of the Paper](#). Each paper is available as PDF and the [Information for Readers](#) includes recommendations how the papers should be cited. Also the [Congress Handbook](#) is available as PDF. The papers were edited by R.J. Gilkes and N. Prakongkep. (From IUSS Alert 65)



▲ **[Beyond Cost-benefit: Developing a complete toolkit for adaptation decisions](#)**, by **Berger, R., Chambwera, M., June 2010, IIED Briefing Papers, IIED, UK, 4 pp.**: Cost-benefit analysis has important uses – and crucial blind spots. It represents only one of several economic tools that can be used to assess options for adapting to climate change in developing countries. The Nairobi Work Programme would best serve governments by considering not just cost-benefit approaches, but the entire range of tools. By developing a 'toolkit' that helps users choose from a variety of evaluation methods, we can support adaptation decisions that promote equity, put local people in control and allow for dynamic responses to climate change as it unfolds.

▲ **USAID** was one of the major supporters of environmental conservation programs in Madagascar for a quarter-century. Recent political changes put this investment at risk. What have we learned from this experience about the fragility of development success? "[Paradise Lost? Lessons from 25 years of USAID environment programs in Madagascar](#)", a retrospective by Karen Freudenberger, highlights some important lessons for all who are interested in sustainability.

▲ The **West African Mangrove Initiative of Wetlands International and IUCN** has introduced sustainable production alternatives that improve the benefits of mangrove dependent communities as well as prevent further degradation of mangroves in five countries: Senegal, The Gambia, Guinea Conakry, Guinea Bissau and Sierra Leone. The two most important new techniques are solar salt production as alternative to cooking salt with mangrove fuel wood, which results in higher and better quality of salt; and improved fish smoking ovens, which use six times less wood per kilogram of smoked fish. These activities have been introduced together with mangrove seedling planting. Read more: www.afrique.wetlands.org/mangroves



Principles & Practices for Sustainable Water Management in Agriculture

The Working Group on Water and Agriculture (WGWA) is proud to announce the publication of Principles and Practices for Sustainable Water Management at Farm Level.



The paper presents the novelty of including direct links to complementary documents providing practical recommendations on various water management issues. To view and download the document [click here](#).

▲ Hi Amir Kassam <amirkassam786@googlemail.com>

Could you bring attention to our listserve the paper just published in the PNAS that shows the multiple benefits from smallholder conservation farming using a Malawi country-wide on-farm study.

Snapp, S. S. M.J. Blackie, R.A. Gilbert, R. Bezner-Kerr, and G.Y. Kanyama-Phiri. Biodiversity can support a greener revolution in Africa. PNAS 107: 20840-20845 or early addition in press: www.pnas.org/cgi/doi/10.1073/pnas.1007199107.

This paper shows that long-lived legume crops are important contributors to conservation farming, and growing a 11 to 36 month plant such as pigeon pea provides extended living cover and leaf cover thus lower soil disturbance, and in this study we showed increased fertilizer efficiency and increased stability of crop yield



Sieglinde Snapp snapp@msu.edu

Assoc. Professor of Soils and Cropping System Ecology
Dept. of Crop and Soil Sciences

▲ **Review of Chinese Soil Science** ZHAO Qi-Guo, HE Ji-Zheng, YAN Xiao-Yuan, ZHANG Bin, ZHANG Gan-Lin and CAI Zu-Cong. 2011. Progress in Significant Soil Science Fields of China over the Last Three Decades: A Review. *Pedosphere* 21, 1-10. Due to continuous decreases in arable land area and continuous population increases, Chinese soil scientists face great challenges in meeting food demands, mitigating adverse environmental impacts, and sustaining or enhancing soil productivity under intensive agriculture. With the aim of promoting the application of soil science knowledge, the paper reviews the achievements of Chinese scientists in soil resource use and management, soil fertility, global change mitigation and soil biology over the last 30 years. During this period, soil resource science has provided essential support for the use and exploitation of Chinese soil resources, and has itself developed through the introduction of new theories such as Soil Taxonomy and new technologies such as remote sensing. Soil fertility science has contributed to the alleviation and elimination of impeding physical and chemical factors that constrain availability of essential nutrients and water in soils, the understanding of nutrient cycling in agroecosystems, and the increase in nutrient-use efficiency for sustainable crop production. Chinese soil scientists have contributed to the understanding of the cropland's role in global change, particularly to the understanding of methane and nitrous oxide emission from rice fields and the effect of elevated carbon dioxide and ozone on the rice-wheat system. Soil biology research has progressed in biological N fixation, distribution of fauna in Chinese soils, and bioremediation of polluted soils. A new generation of soil scientists has arisen in the last three decades. The gaps between research and application in these soil science fields are also discussed. (From IUSS Alert 69)

▲ **[The Evolution of Benefit Sharing: Linking Biodiversity and Community Livelihoods](#)**, by Morgera, E., Tsioumani, E., July 2010, *Review of European Community & International Environmental Law*, Vol 19 No 2, Wiley Interscience, pp. 150–173: This article traces the evolution of the use of the legal concept of benefit sharing in the context of the Convention on Biological Diversity (CBD), with a view to highlighting its contribution to indigenous and local communities' livelihoods. To this end, the article proposes a distinction between inter-State benefit sharing (as identified in the third CBD objective and as usually linked to access to genetic resources) and notably lesser known State-to-community benefit sharing (in relation to the conservation and sustainable use of biodiversity). The article highlights the different legal connotations of the two dimensions of this legal concept, while supporting an integrated interpretation of the CBD. It points to a wide array of benefit-sharing-related tools under the CBD that can be used to support indigenous and local communities' livelihoods in pursuing the convention's three objectives. The article also identifies other international processes – in the areas of intellectual property, health and climate change – in which these conceptual developments may have a significant influence. (PCLG News 038, January 2011)

POLICY PAPERS

▲ **Advances in Agricultural GHG Measuring and Monitoring**

EcoAgriculture Partners' recently-released policy brief, *Advances in Agricultural GHG Measurement and Monitoring: Implications for Policy Makers*, outlines the potential for agriculture in carbon offset markets and the technical and policy components of monitoring, reporting, and verification (MRV). An overview of MRV tools and existing agricultural greenhouse gas (GHG) mitigation initiatives provides insight into the current status and future steps for agricultural mitigation projects.

▲ **Agriculture, Forestry, and Other Land Use Mitigation Project Database**

The Mitigation of Climate Change in Agriculture (MICCA) project of the Food and Agriculture Organization of the United Nations (FAO) released its second report in a series on agricultural climate mitigation projects. This paper summarizes and analyzes the findings from the Agriculture, Forestry,

and Other Land Use Mitigation Project (AFOLU MP) database. It lays out the potential for further incorporation of these projects into the carbon market and alternative financing mechanisms for parts of Africa not as connect to market-driven forces. For the full report, click [here](#).

▲ **Land Administration Systems for Climate Mitigation Payments**

This joint Mitigation of Climate Change and Agriculture (MICCA) program of the Food and Agriculture Organization (FAO) of the United Nations (UN) and UN-REDD paper served as background material for the Expert Meeting on Land Tenure Issues and Requirements for Implementing Climate Change Mitigation Policies in the AFOLU Sectors held on the 15th -17th of November 2010 in Rome, Italy. It elucidates key components in land administration necessary for successful mitigation projects, largely falling under a REDD or Voluntary Carbon Market (VCM) scheme. A discussion of land tenure rights and past experiences with mitigation payments comprise the bulk of the paper. Read the full text [here](#).

▲ **Agroforestry and cocoa as examples for REDD+ in Ghana**

Forest Trend's recent publication, [Consolidating National REDD+ Accounting and Subnational Activities in Ghana](#), integrates the REDD activities taking place at a subnational level with a national REDD+ policy framework in Ghana. It draws upon the [REDD Opportunities and Scoping Exercise](#) publication mentioned in the last newsletter, and more fully develops the legal and technical elements needed for projects to be a part of an international REDD+ policy. The authors use Ghanaian cocoa production as a case study, and explore the role of agroforestry and shade-tolerant species in meeting REDD criteria and the procedure required for approval of the project.

▲ **National Wildlife Federation publication on environmentally responsible palm oil production**

The National Wildlife Federation (NWF) released a report entitled *Food, Fuel, or Forests? Charting a Responsible U.S. Role in Global Palm Oil Expansion* at the UN climate change conference in Cancun. Outlining a path for U.S. companies to support environmental and social standards for palm oil production, the publication makes the case for the U.S. to be a leader in regulating the plethora of goods (from food to beauty care) containing palm oil. Market pressure for more robust and wide-spread third party certification is proposed as one of the best ways forward. Access the summary of related activities and full report on the [NWF website](#).

▲ **Policy Brief: Role of Climate Finance in Agriculture**

Developed by ClimateFocus, Unique Forestry Consultants, and the International Institute for Applied Systems Analysis (IASA), [this brief](#) builds a case for the need to consider agriculture's role both in exacerbating and mitigating climate change. It also describes the opportunities for agriculture within carbon markets and climate programs more broadly. The authors advocate for coordination in planning food security efforts and the various financing mechanisms currently still under discussion – Nationally Appropriate Mitigation Actions (NAMA), REDD+, and climate change adaptation investments. This paper also marks the commencement of a four-month examination by the authors of how climate financing and agriculture can work together towards climate change mitigation and food security.

WEBSITES (Mixed subjects)

▲ From Andrew MacMillan in Italy regarding the Agriculture & Rural Development Day at Cancun, Mexico, 4 December 2010. <http://www.agricultureday.org/>

▲ Many videos and images at <http://www.criticalpast.com/>



▲ [Yemen's capital 'will run out of water by 2025'](#)

Water shortages in Yemen will squeeze agriculture to such an extent that 750,000 jobs could disappear and incomes could drop by a quarter within a decade, according to a report.



▲ [Saudi Arabia at risk from rare volcanic earthquakes](#)

Saudi Arabia is at risk of unusual 'volcanic' earthquakes, a study has found, but country's experts say the risk is manageable.

▲ [The International Society for GM Crops, Egypt](#)

It hopes to bring together those from the biological sciences, trait research and development, regulatory agencies, seed producers, growers and consumers who have a common interest in GM crop research and its application. The purpose of the Society is to promote scientific research on genetically modified crops, to improve scientific understanding in this field, and to disseminate and apply this knowledge to the benefit of mankind.

▲ [Ikhwan book](#) – A Social Network for Muslims

A social networking website joining Muslims of different languages and races from all over the world. The site offers opportunity for constructive networking, convergence and open discussion of various issues including opinions in light of moderate Islam.



▲ [Masdar Institute of Science and Technology \(MIST\) - Masdar City, Abu Dhabi](#)



▲ **Saudi Arabia Launches Its First-Ever Domestically Designed Car**

▲ [Nature Education e-books](#)

It is intuitive introductions to a range of topics relevant to science students, young scientists, and science enthusiasts of all ages.

▲ **The Value of Green Infrastructure: A Guide to Recognizing Its Economic, Social and Environmental Benefits** A new report by the Center for Neighborhood Technology (CNT) and American Rivers provides the economic benefits of green infrastructure, such as best management practices (BMPs). This guidebook provides the methodology for measuring the value of these improvements, which will allow communities to make educated investment in their infrastructure.

<http://www.americanrivers.org/assets/pdfs/reports-and-publications/the-value-of-green-infrastructure.pdf>

▲ **Interim Report: Evaluation of Combined Heat and Power Technologies for Wastewater Facilities** The U.S. Environmental Protection Agency (EPA) has released an interim report to be used as a planning-level tool for wastewater professionals. The report examines combined heat and power technologies

for converting anaerobic digester gas to electrical power and process heat. It provides process descriptions, performance, and cost data. To view a copy of the interim report, visit <http://water.epa.gov/scitech/wastetech/publications.cfm>.

▲ **New Web-Based Map – Eutrophication and Hypoxia**

The World Resource Institute (WRI) and the Virginia Institute of Marine Science (VIMS) identified over 530 “dead zones” and 228 sites with signs of marine eutrophication. They have created a web-based database and interactive map showing these areas. The site also provides links to information, articles, photos and resources. To view the website, visit www.wri.org/eutrophication.

▲ **Soil Web for the iPhone and Android**

This new app can tell you what soil series you are standing in and give you information about the profile description. This app gives you GPS based, real-time access to USDA-NRCS soil survey data. You can also view sketches of the soil profiles. <http://itunes.apple.com/us/app/soilweb-for-the-iphone/id354911787?mt=8>

▲ **EPA Toxic Release Inventory Program Site**

The U.S. Environmental Protection Agency (EPA) hosts a website that allows citizens to learn about toxic chemicals in their communities. Just enter your zip code to view a list of toxic chemical disposals and releases into the air, land and water. You can also learn about waste management and pollution prevention activities. The site currently has data from 2009. <http://www.epa.gov/tri/>

▲ **New Google Earth Technology Allows Tracking of Environmental Changes**

Google has developed an online technology to track and measure changes to the environment. The Google Earth Engine is based on 25 years of NASA’s LANDSAT satellite data. They are working on applications for tracking deforestation and land uses. *Yale Environment 360, December 6, 2010*
http://e360.yale.edu/digest/google_satellite_platform_allows_tracking_of_environmental_changes/2707/

▲ Those of you who have not come across the Ecosystem Marketplace website may like what it offers at: <http://www.ecosystemmarketplace.com/>

BEST MANAGEMENT PRACTICES

▲ **BMP of the Month: Infiltration Berm & Retentive Grading**

An Infiltration Berm is a mound of soil typically located along a contour. It can create a barrier to stormwater flow, retain flow and allow for infiltration and direct flow to other BMPs. This BMP can improve water quality and reduce stormwater volumes and peak flows.

To view the Pennsylvania Stormwater Best Management Practices Manual, visit <http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-8305>

Statement



Syngenta is a leading agribusiness committed to stewardship and sustainable agriculture through innovative research and technology. We develop technologies to drive the environmental, economic and social sustainability of agricultural systems.

Syngenta is committed to supporting the concepts of conservation agriculture and works with partners and stakeholders worldwide on many projects to enhance soil and water quality.

Learn more about Syngenta in www.syngenta.com



SOME ISSUES OF INTEREST (for your attention – some may ask for help!)

▲ On www.soilmaps.it you can find the kml files of the Italian soil regions, soil systems and pedosites (soils of national cultural heritage). Just click on the related item of the news box in the home page of soilmaps, Google will allow you to see or download the geography and the attributes of the maps. The information comes from a collaborative project involving all soil regional services of Italy, named “Badasuoli” (soil database of Italy). Badasuoli stores more than 44,000 pedons, classified both according to Soil taxonomy (2003) and World Reference Base (1998). (From IUSS Alert 66)



▲ Presidents and Executive committee officers 2010-2014

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Vice President	Kye-Hoon John Kim (Korea)	johnkim@uos.ac.kr
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President Elect	- not yet -	
Vice President Congress	- not yet -	

IUSS Executive Committee

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Secretary General	Alfred Hartemink (Netherlands)	alfred.hartemink@wur.nl
Deputy Secretary General	Alex McBratney (Australia)	Alex.McBratney@sydney.edu.au
Treasurer	Jim Gauld (UK)	j.gauld@macaulay.ac.uk
Past president	Roger Swift (Australia)	rswift@uqg.uq.edu.au
President Elect	- not yet -	
Vice President Congress	- not yet -	
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Chair Division 2	Martin Gerzabek (Austria)	martin.gerzabek@boku.ac.at
Chair Division 3	Rainer Horn (Germany)	rhorn@soils.uni-kiel.de
Chair Division 4	Charles Rice (USA)	cwrice@ksu.edu
Committee on awards and prizes	Mary Beth Kirkham (USA)	mbk@ksu.edu
Committee on budget and finances	Stephen Nortcliff (UK)	iuss@reading.ac.uk
Committee on statutes and byelaws	Don Sparks (USA)	dlsparks@udel.edu
Committee on Presidential elections	Roger Swift (Australia)	rswift@uqg.uq.edu.au

▲ The **new estimate of the number of people who will suffer chronic hunger** this year is 925 million — 98 million down from 1.023 billion in 2009. The complete analysis will be available in the "The State of Food Insecurity in the World" (SOFI) to be jointly published by the UN's Food and Agriculture Organization and World Food Program (WFP) in October. The figure was released in advance of the 20-22 September Summit meeting in New York called to speed progress towards achievement of the United Nations Millennium Development Goals (MDGs), the first of which is to end poverty and hunger. The press release is available at <http://www.fao.org/publications/sofi/en/>.

▲ Universal Soil Classification

At the recent World Congress, the International Union of Soil Sciences leadership unanimously supported the formation of a Working Group to research the potential of developing a Universal Soil Classification System. The Working Group is chaired by Jon Hempel, USDA-NRCS Jon.hempel@lin.usda.gov in Lincoln, NE and vice chaired by Erika Micheli, Head Department of Soil Science and Agricultural Chemistry, Szent Istvan University Gödöllő, Hungary Micheli.Erika@mkk.szie.hu. It is the vision for the Working Group to consist of any and all Pedologists that have an interest in this important topic. A small core group of Pedologists geographically representing the International Soil Science Community has been assembled and is scheduled to meet in the spring of 2011 to begin the discussion. The following link provides background information relating to the Universal Soil Classification and the Working Group: ftp://ftp-fc.sc.gov.usda.gov/NSSC/Universal_Soil_Classification_Background/ (From IUSS Alert 68)

▲ Your own geophysical lab? Eijkelkamp makes it possible



Since soil compaction has become such a hot item again, Eijkelkamp Agrisearch Equipment has developed, in close cooperation with the Christian Albrechts University in Kiel (Germany), a series of instruments for measuring various parameters which are of direct importance for soil tillage in relation to soil compaction. The series consists of: Air permeameter (08.65), Surface shear test apparatus (08.66), Shear test apparatus (08.68), Compression test apparatus (08.67), Hauben water permeameter (09.03). For more information please download our brochure at <http://www.eijkelkamp.com> or send an e-mail to balie@eijkelkamp.com or call +31 313 88 02 00. (From IUSS Alert 68)

▲ Nicole

NICOLE is a leading forum on contaminated land management in Europe, promoting co-operation between industry, academia and service providers on the development and application of sustainable technologies. NICOLE's objectives are to:

- Provide a European forum for the dissemination and exchange of knowledge and ideas about contaminated land arising from industrial and commercial activities;
- Identify research needs and promote collaborative research that will enable European industry to identify, assess and manage contaminated sites more efficiently and cost-effectively; and
- Collaborate with other international networks inside and outside Europe and encompass the views of a wide range of interest groups and stakeholders (for example, land developers, local/regional regulators and the insurance/financial investment community). More: www.nicole.org (From IUSS Alert 68)

▲ Anthropogenic Soils in Soil Taxonomy

ICOMANTH (International Committee for Anthropogenic Soils) has drafted a 7th Circular Letter to introduce classes to recognize human-altered or -transported soils. If you have interest, your constructive feedback is welcome. We have posted this Circular at <http://clic.cses.vt.edu/soils/~ICOMANTH>. The main proposals concern how to recognize and classify deposits of human-transported material 50 cm or more thick. These changes are referenced to pages in the 11th Ed. of the Keys to Soil Taxonomy found online. Please respond to john.galbraith@vt.edu (From IUSS Alert 68)

▲ Intergovernmental Platform on Biodiversity and Ecosystem Services



A new international body aimed at catalyzing a global response to the loss of biodiversity and world's economically-important forests, coral reefs and other ecosystems was born by governments at the United Nations 65th General Assembly (UNGA). It underlines the success of the UN's International Year of Biodiversity and should provide a boost to the International Year of Forests which began in January 2011, and the international decade of biodiversity. The adoption, by the UNGA plenary, was the last approval needed for setting up an *Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)*. The independent platform will in many

ways mirror the Intergovernmental Panel on Climate Change (IPCC) which has assisted in catalyzing worldwide understanding and governmental action on global warming. The new body will bridge the gulf between the wealth of scientific knowledge on the accelerating declines and degradation of the natural world, with knowledge on effective solutions and decisive government action required to reverse these damaging trends. Its various roles will include carrying out high-quality peer reviews of the wealth of science on biodiversity and ecosystem services emerging from research institutes across the globe in order to provide gold standard reports to governments. These reports will not only cover the state, status and trends of biodiversity and ecosystems, but will also outline transformational policy options and responses to bring about real change in their fortunes. The IPBES will achieve this in part by prioritizing, making sense of and bringing consistency to the great variety of reports and assessments conducted by United Nations bodies, research centres, universities and others as they relate to biodiversity and ecosystem services. Time for an IP Soil or IP Land? (From IUSS Alert 69)

▲ **Working Group on Soil Monitoring** Last year the IUSS accepted a proposal for a Working Group (WG) on Soil Monitoring. Ben Marchant from Rothamsted has been appointed the secretary of this working group and Dominique Arrouays from INRA, Orleans, France is the chair. The WG is now starting to plan a program of events. The first will be a Special Session at the Pedometrics 2011 conference at Trest Castle in the Czech Republic (Aug 30 - Sept 3). Further details of this conference can be found at: <http://sites.google.com/site/pedometrics2011/> There is still time to submit abstracts to this website before the Feb 1st deadline. If you do intend your talk to be part of the special session could you please email a copy of the abstract to Ben.Marchant@bbsrc.ac.uk in addition to the normal submission process. The WG is also proposing a workshop on statistical aspects of soil monitoring at the EuroSoils meeting in Bari, Italy next year. If anybody has any other ideas for Working Group events, they would be greatly appreciated. Could you please contact Ben.marchant@bbsrc.ac.uk (From IUSS Alert 69)

▲ **WE NEED YOUR HELP – FINAL CALL:** We are starting to plan this year's PCLG meeting. This event will take place in late 2011, will be open to PCLG members only, and financial support will be available for developing countries participants. **We would very much like to hear what you think should be the theme of the 2011 PCLG meeting.** There was a lot of interest at the Masindi workshop in having this event focus on human-wildlife conflict. Other suggestions have included exploring the implications of the Nagoya outcomes and developing our understanding of ecosystem-based adaptation. **Please, send your comments, suggestions and ideas to pclg@iied.org** (PCLG News 038, January 2011)

▲ **EcoAgriculture staff initiates collaboration on landscape restoration in China.** In September, Jeff Milder, EcoAgriculture's Director of Strategic Planning and Research, spent a week in the Yellow River Valley of China's Ningxia Hui Autonomous Region working with a team of US and Chinese scientists to develop restoration approaches with improved outcomes for water conservation, soil fertility, and carbon storage. China is currently investing heavily in tree-planting and other forms of restoration. The team explored opportunities and developed a proposal for improving ecosystem benefits from restoration activities in four typical landscape elements: wetland, degraded steppe, roadside verge/hedgerow and new village settlements. For more information, please contact jmilder@ecoagriculture.org.

▲ **About the CGIAR Challenge Program on Water and Food**

The Challenge Program on Water and Food was launched in 2002 as one of the reform initiatives of the CGIAR, the Consultative Group on International Agricultural Research. CPWF aims to increase the resilience of social and ecological systems through better water management for food production (crops, fisheries and livestock). CPWF does this through an innovative research and development approach that brings together a broad range of scientists, development specialists, policy makers and communities, in six river basins, to address the challenges of food security, poverty and water scarcity.

For more information contact:

CGIAR Challenge Program on Water and Food

P.O. Box 2075

C/o International Water Management Institute

127 Sunil Mawatha, Pelawatte

Battaramulla, Sri Lanka Tel: +94 11 2784080

Email: info@waterandfood.org

website: www.waterandfood.org

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CALL FOR PAPERS

▲ **PUBLISHING OPPORTUNITY:** IIED publishes policy-relevant research in its [Gatekeepers series](#) three times a year. The papers are usually mailed out in sets of two or three and we are planning the next edition to focus on conservation and poverty. We have two papers lined up already and would welcome a suggestion from a Southern author for the third paper. Papers should be no more than 5000 words and should make clear, simple and concise points. IIED can offer editorial support and advice for potential authors. **Please let us know (pclg@iied.org) if you have something you think might be suitable that needs an outlet!** (PCLG News 038, January 2011)

▲ Announcement for a new book by the writer of the *Voices from the Forest*



I have the privilege – and the pleasure – of making an announcement that I sincerely hope will be of wide interest in the broad fields of environmental protection, sustainable farming, feeding the poor, and preparing ourselves for climate change.

Just two years ago, a heavy scholarly volume was published in the United States by Resources for the Future Press.

Its name was “*Voices from the Forest: Integrating Indigenous Knowledge into Sustainable Upland Farming.*”

Those of you who have had a chance to read this book, or even a little of it, will know that it is no ordinary scientific volume.

It contains no fewer than 66 scientific papers on the fascinating subject of shifting cultivation, and particularly on the fallow phase of shifting cultivation systems.

The book teaches a new respect and regard for upland farmers. It calls them “*swidden farmers*”.

Most of us now realize the inequity of official regard for shifting cultivation. For, rather than destroying forests, shifting cultivators using rotating land-use systems have been managing and caring for the forests of this planet for countless generations.

I’m not talking here of those who simply exhaust the land and walk away from it – and that’s an important distinction.

This book covers a bewildering range of cultivation and fallow rotations, using plants ranging from weedy grasses to giant forest trees to achieve the replenishing gifts of nature, and covering soils and slopes from China to Papua New Guinea, from India in the west to an island called Yap, in the Pacific.

Most important of all – and perhaps most surprising – these are cultivation systems developed over generations by poor farmers – those people regularly dismissed as being incapable of innovation and beneath the consideration of policy-makers. The scientists who wrote these papers recognized the wisdom of the farmers, and set out to measure their success.

There is a lesson on every page; a new and potentially valuable cultivation system in every chapter – and presented in a style that anyone can understand.

Since its release two years ago, *Voices from the Forest* has won praise from many of the best-known experts in environmental and anthropological science. Importantly, it has become a valuable educational tool in many schools, with curricula ranging from practical to highly academic.

This book is serving such a vital purpose that it has become clear to its editor, Malcolm Cairns, that it must be developed; the mission must continue.

Herein lies today’s rather exciting announcement.

Malcolm – who lives right here in Chiang Mai but sadly can’t be with us today because he is physically indisposed – is planning a sequel.

Already, the response to his plan has been enthusiastic, and many researchers are offering their latest findings in the field of sustainable upland farming.

But this announcement today serves as a call for others to become involved in this hugely worthwhile project.

One of the greatest virtues of *Voices from the Forest* is its variety – literally, the number of voices that Malcolm Cairns heard in the forest.

This begs that the sequel must be equally broad and diverse in its regard for new and promising farming systems.

Importantly the circumstances in which we now find ourselves in this world are also demanding a new consideration of natural farming systems. When *Voices from the Forest* was written, just a decade or so past, global warming and climate change were terms hardly discussed.

What role can sustainable, natural farming systems, developed over centuries by simple farmers, play in a world threatened by climate change, massive mono-cropping, and unpredictable economic control?

It's an interesting question, and one that occupies the minds of many people, scientifically qualified or not.

Echo not only supports the production of a sequel to *Voices from the Forest*, but joins Malcolm Cairns in calling for contributions of written works to enrich the new volume.

What he seeks are compelling case studies that add new weight to the argument that simple farmers – using the knowledge of their forefathers and an almost mystical insight that comes from closeness to the soil – have been able to develop solutions to the problems of feeding growing populations from shrinking land resources.

These cases need to be known, need to be considered – perhaps to be adopted – by researchers, extension workers, aid organizations, partners to the poor, and most importantly, they need to be known by other farmers.

Much like the original *Voices from the Forest*, the sequel will strive to present one promising case study per chapter. The chapters need to be about six thousand words in length.

For those already reaching for their pens, Malcolm needs to discuss proposals for chapters for the sequel as soon as possible. If a proposal is accepted, he needs a working title for the chapter as soon as possible. Then, he needs an abstract – roughly one A4 page describing the case study, the location, its main features and a brief conclusion – by February of next year. He will then require the finished chapter – all six-thousand words – by next July. That is, July 2011.

And if you don't feel capable of writing a chapter, your ideas would be a welcome addition to the bank of new experiences required to produce the new volume.

Malcolm's e-mail address is easy to remember: mfcairns – one word, no spaces @gmail.com. I think I can speak for all of us in wishing him Godspeed. (*From someone I already forgot who!* – Ed)

PRODUCTS

World's Largest Carpet Manufacturer Invests in GeoHay's Sustainable Erosion Control and Stormwater Management Products

GeoHay, LLC, manufacturer of patented, environmentally-friendly barrier filtration products made from recycled fibers, is proud of its new partnership with Shaw Industries Group, Inc. GeoHay opens a new channel for Shaw's re-use of the post-consumer carpet it collects nationally. "This is new territory for Shaw," says Vance Bell, chief executive officer of Shaw. "But with more than 3.5 billion pounds of post-consumer carpet ending up in landfills every year, we know we must look beyond the traditional flooring industry for additional solutions."



Shaw's investment in GeoHay diversifies the floor covering company's portfolio of uses for post-consumer carpet. "GeoHay products are created with 100% reclaimed carpet fiber - and they play an important role in controlling erosion and stormwater runoff," said GeoHay Chief Executive Officer Dan Hargett. "Shaw's post-consumer carpet reclamation program and its commitment to sustainability through innovation make them an ideal investment partner as we look to the future and our need to support a continued rapid growth rate." [Read More >>](#) (From February 2011 IECA E-Update ieca@ieca.org)

INTERESTING QUOTES

"Do not go where the path may lead, go instead where there is no path and leave a trail."
~Ralph Waldo Emerson

"When one door closes, another opens; but we often look so long and so regretfully upon the closed door that we do not see the one which has opened." ~Alexander Graham Bell

"You have your way. I have my way. As for the right way, the correct way, and the only way, it does not exist." ~Friedrich Nietzsche

"Not everything that can be counted counts, and not everything that counts can be counted."
~Albert Einstein

"All that's necessary for the forces of evil to win in the world is for enough good men to do nothing."
~Edmund Burke

LET'S SING A SONG

"**Granada**" is a Mexican song written in 1932 by Agustín Lara. The song is about the Spanish city of Granada and has become a "standard" in music repertoire. The song has been covered many times throughout the years. Popular versions include those by Frankie Laine, Mario Lanza, Frank Sinatra, Luciano Pavarotti, Plácido Domingo and, in German, by Fritz Wunderlich and Spanish pop-duo Baccara.

Plácido Domingo – Granada, at Los Angeles (1994)

<http://www.youtube.com/watch?v=4LL9IGEqjE&feature=related>

Granada, tierra soñada por mi
mi cantar se vuelve gitano
cuando es para ti
mi cantar hecho de fantasía
mi cantar, flor de melancolía
que you te vengo a dar

Granada,
tierra ensangrentada
en tardes de toros
Mujer que conserva el embrujo
de los ojos moros
de sueño rebelde y gitana
cubierta de flores
y beso tu boca de grana
jugosa manzana
que me habla de amores

Granada Manola
cantada en coplas preciosas
no tengo otra cosa que darte
que un ramo de rosas
de rosas de suave fragancia
que le dieran marco
a la Virgen Morena

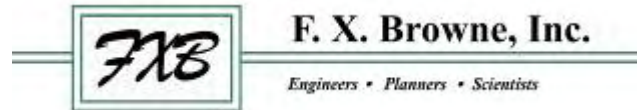
Granada
tu tierra está llena de lindas mujeres
de sangre y de sol

English Translation:

Granada, I'm falling under your spell,
And if you could speak, what a fascinating tale you would tell.
Of an age the world has long forgotten,
Of an age that weaves a silent magic in Granada today.
The dawn in the sky greets the day with a sigh for Granada.
For she can remember the splendor that once was Granada.
It still can be found in the hills all around as I wander along,
Entranced by the beauty before me,
Entranced by a land full of flowers and song.
When day is done and the sun touch the sea in Granada,
I envy the blush of the snow-clad tierra novada,

Soon it will welcome the stars
While a thousand guitars play a soft carbinera.
Then moonlit granada will live again,
The glory of yesterday, romantic and gay.
(musical interlude)
And soon it will welcome the stars
While a thousand guitars play a soft carbinera.
Then moonlit Granada will live again,
The glory of yesterday, romantic, gay Granada.

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[Read all about it in the brochure **Groundwater monitoring and communication solutions**](#)

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(<http://www.eijkelkamp.com/Portals/2/Eijkelkamp/Files/Diver-e-SENSE.pdf>)



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Sound Principles. Good Advice.

GOOD NEWS San Diego, CA, June 20, 2010: The American Recovery and Reinvestment Act of 2009 earmarked \$14.6 million to the U.S. Geological Survey for upgrades to its 7,500-station national streamgauge network, and in direct response, has purchased \$3.4 million dollars worth of hi-technology electro-acoustic instruments from San Diego-based SonTek/YSI. **With sincere congratulations from WASWAC. – Ed.**

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Postal address

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Phone: Fax:

E-mails (Give at least 2 addresses to ensure uninterrupted contact) (1)

(2) (3)

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* Membership categories & rates from July 18, 2005, amended March 3, 2007 and March 4, 2010. (Ask sombatpanit@yahoo.com if in doubt):

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2. Life membership (LM): US\$80 for developing countries; 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.**

3-1. Organization membership (OM): 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/ yr for an organization with up to 150 persons; \$150/ yr for an organization with up to 300 persons; \$200/ yr for an organization with up to 500 persons; and \$10/ yr for an additional 100 persons or part thereof. Local organizations in developing countries can request to pay at a lower rate.

3-2. Organization subscription (OS): is the same as the **Organization membership** but the organization wants to limit its involvement only as a **subscriber**.

3-3. Organization cooperation (OC): is the same as the **Organization membership** but the organization wants to limit its involvement only as a **cooperator**, without paying a fee. Any organization can be a cooperator for 1-2 years.

4. Gift membership (GM): US\$5/ yr worldwide, to be purchased by anyone to give to colleagues, friends, students, etc.

..... ← **Please cut here and send the upper part to WASWAC** →

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

a. Dr. Xiaoying Liu, WASWAC Treasurer, c/o IRTCES, No. 20 Chegongzhuang Road West, Beijing100048, China. Tel.: +86 10 68786413; Fax: +86 10 68411174; liuxy@iwhr.com; ndh@mwr.gov.cn. He can receive money through **Check, Bank Draft, Western Union and Bank Transfer** from all over the world.

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

Name: World Association for Sedimentation and Erosion Research;

Bank: Industrial and Commercial Bank of China, Baiwanzhuang Branch, Beijing, P R China;

Account no. 0200001409089020987; **Swift code:** ICBKCNBJBJM;

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 your side from the amount of money to send.

2. For sending money by Western Union/bank transfer or check please pay transaction to compensate for the charge at the receiving bank in China. (More information about the amount to compensate will be provided upon request.)

b. Dr. Samran Sombatpanit, WASWAC Past President, 67/141 Amonphant 9, Soi Sena 1, Bangkok 10230, Thailand. Phone: +66 (0) 25703641, sombatpanit@yahoo.com. He accepts **Bank Draft** from every country. **Mark the draft “payable to Dr. Samran Sombatpanit”**. He receives SWIFT through the Bangkok Bank, Bangkok Branch, 2124 Phaholyothin Road, Jatujak, Bangkok 10900, Thailand. Phone: +66-25614091/ 25791146-8, Fax: +66-25791149. SWIFT CODE: BKKBTHBK, A/C No. 161-0-210864, which you should also indicate **“payable to Dr. Samran Sombatpanit”**.

IMPORTANT NOTES:

1. DO NOT write the word ‘WASWAC’ in your remittance document, as it will cause a problem, since this is a private account that supplements the official one (a, as above).
2. Do not deduct the bank fee from your side from the amount of money to send.
3. 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 Bangkok. This additional charge does not apply for the payment of membership fee(s) of US\$50 or higher.

c. You can also send money to **Dr. Samran Sombatpanit** by using the address as shown in (b) through the **Western Union worldwide money transfer service**, www.westernunion.com. Their service is simple and quick; the transfer fee has become much reduced from the earlier time. Also please do not deduct the transfer fee from the amount to send and there is no additional charge. Please write to sombatpanit@yahoo.com and samran_sombatpanit@yahoo.com before you send.

OTHER ADDRESSES TO PAY THE MONEY – MAINLY FROM WITHIN THE COUNTRY

India: Surinder S. Kukal, Department of Soils, Punjab Agricultural University, Ludhiana 141004. sskukal@rediffmail.com

India: Suraj Bhan, Soil Conservation Society of India (SCSI), G-3, Nat. Soc. Block, NASC Complex, Dev Prakash Shastri Marg, New Delhi-110012. bhan_suraj2001@yahoo.com

Indonesia: Syaiful Anwar, WASWAC Indonesia Chapter (Masyarakat Konservasi Tanah dan Air Indonesia, MKTI, c/o Ministry of Forestry, Jakarta) with following account details: Bank Mandiri cabang Jakarta Gedung Pusat Kehutanan; Account holders: Trisnu Danisworo, qq Zulfikar Ali; A/C No: 102-00-0437516-5. sanwar@cbn.net.id

Japan: Machito Mihara, WASWAC Councilor/Vice President, c/o Institute of Environment Rehabilitation and Conservation (ERECON), 2987-1 Onoji Machida-shi, Tokyo 195-0064, Japan. Phone/Fax: +81-42-736-8972, hq-erecon@nifty.com. He can receive all forms of payment from within Japan, and can receive Visa and MasterCard credit cards from all over the world (mark in all forms of payment “payable to ERECON Japan”). Payment is in Japanese yen only; see more details in www.waswac.org.

Kenya: James O. Owino, Dept. of Agric Eng., Egerton University, P.O.B. 536 Njoro. SWIFT: BARCKENXANKE, Bank code: 003, Branch code: 027, Acc. No. 1214170, P.O. Box 66, Nakuru 20100. joowin@yahoo.com

Netherlands: WRS Critchley, WASWAC Deputy President, ABN AMRO Bank, Gelderlandplein, POSTBUS 87091, 1080 JB Amsterdam. Account number 549365478, BIC number = ABNANL2A, IBAN = NL28ABNA0470430559. wrs.critchley@dienst.vu.nl

Serbia: Miodrag Zlatic, WASWAC Immediate Past President, Faculty of Forestry, University of Belgrade, Kneza Visislava 1, Belgrade, Serbia. Phone: +381-11-3553122 (o), +381-11-3583280 (h), +381-63661549 (m). He can receive money from the Balkans Region through the Raiffeisen Banka AD, Beograd, Republic of Serbia, SWIFT code: RZBSRSBG, Customer’s name: Zlatic Miodrag, A/C No. RS35265051000004691675. miodrag.zla@sbb.rs.

Thailand: Karika Kunta, Land Development Dept., Chatuchak District, Bangkok 10900, Thailand, Savings A/C No. 256-210171-8 Siam Commercial Bank (Tops Central Lat Phrao Branch) care_045@yahoo.com

For the convenience of all parties you are requested to join as a Life member. Contact sombatpanit@yahoo.com if you have problem.

Members are invited to join the discussion about **soil and water conservation** and many other fields that you like by signing up in [Facebook](#) and access one or more of the three pages that we have registered:

World Association of Soil and Water Conservation
SWAT (Soil & Water Assessment Tool) Network
SWAT Network of Thailand

Read pp. 7-9 in HOT NEWS issue 2011 (02 Part A) for details.



PLEASE CONSIDER THE ENVIRONMENT BEFORE YOU PRINT THIS HOT NEWS