

WASWAC HOT NEWS 2010 (07 Part B) JULY 31, 2010

Compiled and sent out monthly by Samran Sombatpanit, Editor

Please send your contributions/ information for next issue(s) of HOT NEWS/ WASWAC Bulletin to sombatpanit@yahoo.com and samran_sombatpanit@yahoo.com

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

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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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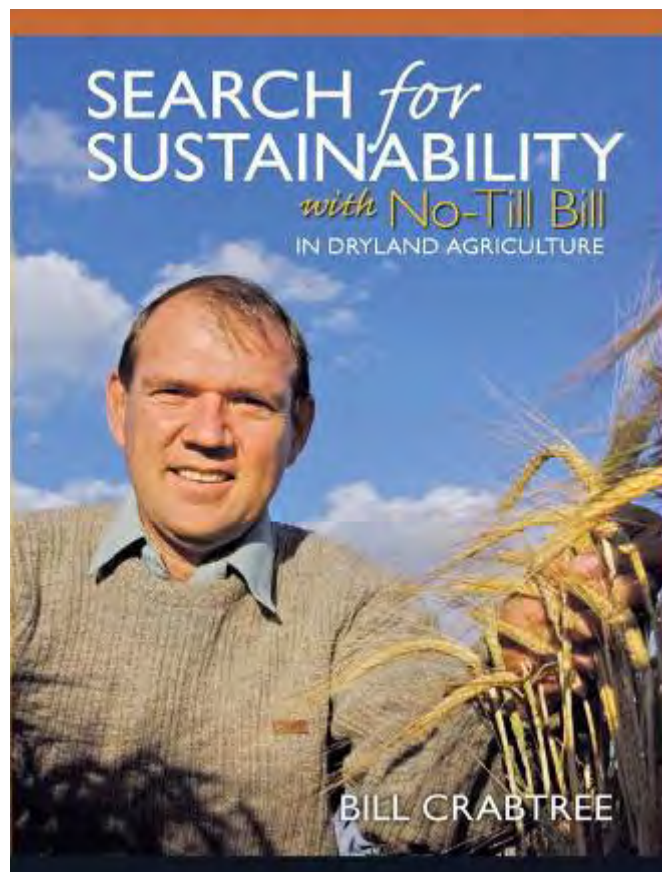
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Editor's Note: Who's No-Till Bill?

This is Part B of HOT NEWS for July 2010, which contains all other items. Now we start with the introduction of one book, "Search for Sustainability with No-Till Bill in Dryland Agriculture", which has been freshly printed a few months ago from 'down under'. Bill Crabtree has been our member and contributor since the WASWAC's Special Publication 3, *No-Till Farming Systems* was published in early 2008. Next page you will read how Bill has received the McKell Medal, which is the most prestigious award in agriculture from the Federal Minister of Agriculture, Fisheries & Forestry of Australia, Tony Burke. On p. 3 you can read the review of this book.



The Hon. Tony Burke MP

Minister for Agriculture, Fisheries and Forestry

[Media contact: Andrew Bourke 0400 117 570]

Western Australian agricultural scientist wins McKell Medal

Western Australian agricultural scientist, Mr Bill Crabtree has been awarded the most prestigious Australian award for excellence and achievement in natural resource management.

Minister for Agriculture, Fisheries and Forestry Tony Burke today presented the McKell Medal to Mr Crabtree at the Natural Resource Management (NRM) Ministerial Council meeting held in Darwin.

“It gives me great pleasure to award the 24th McKell Medal to Bill Crabtree of Beckenham in Western Australia,” Mr Burke said.

“Mr Crabtree’s knowledge and enthusiasm for promoting sustainable farming practices and mitigating soil erosion is highly regarded.

“As a scientist, Mr Crabtree has published significant scientific data and has worked closely with leading farmers to extend his knowledge to the broader farming community over the past 25 years.

“Through his work, he has been able to encourage farmers to adopt no-till farming systems that improve soil structure and nutrient recycling, and reduce soil evaporation, wind and water erosion.”

The McKell Medal is awarded annually by the NRM Ministerial Council to recognise outstanding achievements in shaping community attitudes and practices in natural resource management.

The medal honours the contribution to soil

and land conservation of Sir William McKell, a former Governor-General of Australia and Premier of New South Wales.

Mr Burke said all 10 nominees for this year’s award deserved congratulations.

Information on the McKell Medal (right) is available at www.daff.gov.au/mckellmedal.

DAFF10/418B, 23 APRIL 2010



Note from Ed. – I got a mail from Bill Crabtree on the last day of April 2010, saying:

Hi Samran, I have some good news. In recognition of the many years of work in promoting no-tillage in Australia I received the McKell medal last Friday. You may wish to share this in the network – it is a most prestigious award from the Federal Minister for Agriculture. See information attached (photo and press release). **This is a win for no-till globally as governments recognise the value of agricultural sustainability in the context of the importance of natural resource management.**

Also, after much delay and a lack of finance, I have now been able to publish and print my book; “*Search for Sustainability with No-Till Bill in Dryland Agriculture.*” Information about the book is now available on my website. Sorry for the delay. You may wish to point the international folks towards it: <http://www.no-till.com.au/publications/pubn-nt-book.html>.

Bill Crabtree (M.Sci., WANTFA Life Member), Principal of Crabtree Ag Consulting bill.crabtree@no-till.com.au 21 Brixton St, Beckenham, 6107, WA, Mobile 0417 223395, Fax 9458 8620, www.no-till.com.au

As you may see what Bill said, **“This is a win for no-till globally as governments recognise the value of agricultural sustainability in the context of the importance of natural resource management”**, I fully agree that this is a high time that no-tillage has become recognized widely, which is technically correct, since no (or less) soil disturbance would cause less soil detachment and subsequent soil erosion, the very basic desire for everyone who deals with soil management and care. **We all congratulate you for this great achievement, Bill.**

You may have noted that we at WASWAC have been doing a lot about spreading technologies. If we find something good and promising to be accepted universally, we try to disseminate it, and at an affordable cost through the concept “Cheaper by the dozen” – hope most of us have learned from school when we were young. For example, for the Special Publication 3 on *No-Till Farming Systems* we had printed 10,000 copies and tried to send out as quick as possible by selling at low price and sometime giving away to potential users/readers who lack \$; only few hundred copies are left in the stock at this moment. We strive to do the same when we find some other good and promising technologies.

On the next page you may read the review of this book by Will Critchley, our Chief Reviewer. This richly illustrated book has been self-published with some support from a couple of business firms. I hope members will support him by buying copies for your use, though the price may not be low like when WASWAC produced its No-Till Farming Systems book in 2008 but the exciting contents of it, with the high quality of printing, plus hundreds of color photos, graphs and charts, will make it difficult for you to put the book down once you start to read it – this is no exaggeration. Bill plans to have his book translated to Spanish and French, at least, and who is interested in either language please contact him.

Incidentally, seeing the last page in the book showing Bill and few dozens of his tour members visiting North America in 1998 to seek knowledge, it reminded me at once that, at the time of writing this note Bill is with few dozens of his tour members visiting North America again (August 1-29, 2010), making me realize No-Till Bill is really an ‘untiring Bill’. I only hope when he returns home he would write us a note about the no-till and many other things he and his tour group have seen in North America. We will then have it nicely published in our WASWAC Bulletin for September-December 2010 issue. He can also do a PHOTOESSAY. You can see how to do it at <http://waswac.soil.gd.cn/TRAVELOGUES.html>. Hope Bill will comply with our expectation. Many thanks in advance!



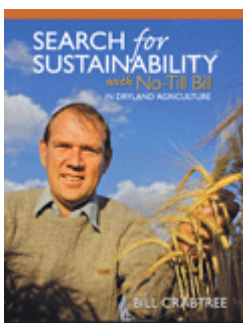
Left: Bill and his tour group to North America in 1998 to see no-till and other farming practices. **Right:** The travel route of Bill and his tour group to North America during August 1-29, 2010.

BOOK REVIEW: Search for Sustainability with No-Till Bill in Dryland Agriculture

Bill Crabtree

Crabtree Agricultural Consulting. 204 pp., 17x24 cm, Paperback (2010) ISBN 978-0-646-53325-4

Access <http://www.no-till.com.au/> for online purchase and other information. Price: A\$55 + tax + postage



Bill Crabtree, alias “No-Till Bill”, welcomes us to “*an exciting journey in agriculture*” in Western Australia, where he has helped pioneer no-till farming. Bill is a fervent proponent of dispensing with the plough. He lists three key benefits of the system, namely improved soil, better weed control, and improved efficiency and precision. Certainly, farmers in Western Australia are convinced: Bill’s “estimated rate of adoption” of no-till in Australia has that state ahead of all others, with a 90% adoption in 2008, up from around 50% in 1998. That’s a remarkable uptake rate. And it illustrates one of the two most significant current, global, trends in large-scale arable farming. The other is the rise of GM crops: Bill returns to that later in his book.

This is a technical publication, aimed at those who are already familiar with crop farming and its attendant problems of erosion and soil impoverishment. Its intention is to imbue farmers – in Australia and elsewhere – with the spirit that “No-Till Bill” has in abundance. His enthusiasm for no-till farming springs out of each page in this semi-autobiographical, yet technically detailed book. *Semi-autobiographical?* Yes, Bill cleverly intertwines his own professional journey with that of no-till cropping. He’s a farmer and an advocate. He speaks from his own experience and acute observations – and backs this up with data. “*I remember thinking*”, he tells us, “*there must be a better way to farm than this*”. That was when he was 12 years old, observing soil being destroyed by the plough.

One of the most attractive aspects of this monograph is the care that has been taken to keep us visually informed. Pictures and graphics abound. I skimmed through the whole book, trying to find a two-page spread without a photograph. Apart from the Table of Contents, I could only spot one. Some of the images of erosion caused by the plough are devastatingly clear; and where no-till has been practiced, well, it needs to be seen to be appreciated.

Of course it is easy to criticise. The personal touch may grate – but in fact Bill comes across as a huge enthusiast not an intrusive pedant with an overblown ego. And companies with a stake in no-till agriculture (Väderstad and Bayer CropScience) provided at least “some” funding. In this case, we are assured that no endorsement is intended. Any self-published book inevitably begs the question: why not an outside publisher? It’s a pity that it wasn’t. And a number of the data are “Bill’s estimates”; but that fact is not concealed. Finally a disclaimer warns us that “*opinions expressed are sometimes speculative for the purpose of stimulating thought and should not be considered gospel*”. That’s Bill’s style; take it as such.

There are 22 chapters in this book, and roughly speaking half are on specific technical topics – “openers”, seeders, fertilizer systems, rotations etc. The remainder look at broader issues, covering benefits of no-till, soil biology and weeds, as well as a background to Australian agriculture and a chapter entitled “where to next?” There are also sections that look at no-till around the world. Tellingly, there is one entitled “Impact of Australia rejecting GM canola”. This latter chapter concludes with the comment “*It is with great relief that in 2009 most state governments across Australia are moving towards lifting the moratoriums against the growing of GM crops*”. Thus Bill espouses both of the modern trends this reviewer alluded to earlier.

There is a difference between those environmentalists and farmers who call for organic production and bans on GM on ethical grounds – and pragmatists like Bill who care passionately for the soil’s health, yet embrace herbicides and transgenic crops. This is one of the conundrums of environmental positioning: there are, of course, arguments for both standpoints. But if the world is to meet its urgent food production targets, while sustaining the soil, it is difficult not to have sympathy with Bill and his no-till brigade.

William Critchley, Amsterdam, July 2010

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. The DVD set of this SP5 (~10,000 items or more) will be ready to launch at the LANDCON 1010 meeting in Xi’an, China during Oct 11-15, 2010. Shortly after that, a complimentary set with 4 DVDs will be sent to you by post.

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 named ‘**WASWAC Bulletin.**’
The first issue of WASWAC Bulletin with the number 26(1) is 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 will be available from November 2010 onward. For more information please contact Dr Liu Xiaoying at liuxy@iwhr.com. Members from within China can send membership fee to him. Ask him about 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 1,300-1,400, showcases the trials of such systems in Southeast Asia 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 makes them available at low prices to serve all levels of economy.

JOBS

▲ [Academic vacancies at science and technology university, Yemen](#)

▲ **22 New proposed job vacancies**

Interesting announcements: A significant number of open vacancies is proposed to candidates.

<http://eusoiils.jrc.ec.europa.eu/vacancies/>

▲ **Vacancy: Professor of Soil Geography and Landscape**



Vacancy at Wageningen University (Netherlands): The chair in Soil Geography and Landscape studies the dynamic relations between soil genesis, land use and landscape on the larger geographical scales and integrates them with various time scales. The three main research themes are: a) soil development and landscape evolution (geology, geomorphology); b) land inventory and geostatistics and c) scenario studies and land use modeling. The chair holder is expected to initiate, lead and supervise the academic teaching and scientific research in this field, acquire research funding, supervise BSc, MSc and PhD students, and lead the chair group. For more details, please look at: www.academictransfer.com/5410 (From IUSS Alert 63)

AWARDS/PRIZES/FUNDS/FELLOWSHIPS/SCHOLARSHIPS

▲ **Tom Watson Brown Book Award**

The Society of Civil War Historians solicits nominations for the Tom Watson Brown Book Award for books published in 2010. The \$50,000 prize is awarded annually to the author of the outstanding book on the causes, conduct, and effects, broadly defined, of the Civil War. All genres of scholarship within the field are eligible, including, but not exclusive to, monographs, synthetic works presenting original interpretations, and biographies. Works of fiction, poetry, and textbooks will not be considered. Jurors will consider nominated works' scholarly and literary merit as well as the extent to which they make original contributions to our understanding of the period.

Stephen V. Ash, Professor of History at the University of Tennessee, will chair the prize jury. The other members are Carol Reardon, George Winfree, Professor of American History at the Pennsylvania State University, and Stephen Berry, Associate Professor of History at the University of Georgia. Tad Brown, President of the Watson-Brown Foundation, will serve as a non-voting member of the jury.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/tom-watson-brown-book-award.html>

▲ **ICE WaRM Scholarships**

The International Centre of Excellence in Water Resources Management (ICE WaRM) provides a national focus and international gateway to Australia's education, training and research expertise in water. Operating as WaterEd Australia and based in Adelaide, the Centre was established in 2004 as an Australian Government initiative, with the support of the South Australian Government.

The International Centre of Excellence in Water Resources Management (ICE WaRM) is building international recognition as Australia's centre for leadership and innovation in collaborative approaches to water resources management, through its growing partnerships both in Australia and internationally. ICE WaRM facilitates collaboration in water-related research, education and training opportunities for international scholars wanting to advance their careers. ICE WaRM offers a scholarship programme to attract high quality international students to education and training in water resources management, delivered by ICE WaRM partner institutions.

Readmore: <http://cambodiajobs.blogspot.com/2007/11/ice-warm-scholarship.html>

▲ **CRS-International Development Fellows Program**

The CRS International Development Fellows Program is intended to give people who are interested in a career in international relief and development an opportunity to increase their overseas experience and gain broad exposure to CRS programs. Each year, CRS has approximately 20 placements with our country programs (based overseas). Assignments are for one year.

Specific job responsibilities vary greatly from one country to another depending on the country program's focus (Agriculture, Health, Peacebuilding, Education, Microfinance, social assistance or a combination of these). The goal of the IDFP is to place Fellows in positions where they can draw on their previous education and work experience, while broadening their skills. Many of our fellowships lead to regular positions with Catholic Relief Services. Readmore: <http://cambodiajobs.blogspot.com/2010/07/crs-international-development-fellows.html>

▲ Please find attached 2011 application form for the **UN Voluntary Fund for Indigenous Populations**. The fund provides financial assistance to indigenous delegates wishing to attend the 4th

session of the Expert Mechanism on the Rights of Indigenous Peoples and the 10th session of the Permanent Forum on Indigenous Issues.

Please be kindly reminded that the deadline for applying is 1st October 2010. If you need more information you can consult our website <http://www2.ohchr.org/english/about/funds/indigenous/> <<http://www2.ohchr.org/english/about/funds/indigenous/>> or contact us by email.

Mélanie Clerc

Indigenous Peoples and Minorities Unit

UN Voluntary Fund on Indigenous Populations UN Voluntary Fund on Contemporary Forms of Slavery Office of the High Commissioner for Human Rights Office Motta 2.31

Email: mclerc@ohchr.org Postal address: OHCHR- Palais des Nations CH 1211 Geneva, 10 Switzerland

Tel: +41 22 928 9737; Fax: +41 22 928 9010

▲ Synergos Senior Fellows

The name “Synergos” comes from the Greek root meaning “working together.” We address global poverty and social injustice by working collaboratively to change the systems that keep people in poverty. Bringing together influential people and institutions in government, business and civil society with poor and marginalized communities, we help every part of society work together to create sustainable systems change.

Fellows have the opportunity to enhance their skills, knowledge, and experience through peer-to-peer learning, annual and regional meetings, learning journeys, workshops, and contact with eminent persons. They exchange innovative ideas, models, and tools in the development field, which Synergos distributes to a wider audience. The Fellows also have opportunities to connect and collaborate with other distinguished change makers in the development field aligned with Synergos, including philanthropists and foundations, non-governmental organizations, businesses, governments, global institutions and academics.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/synergos-senior-fellows.html>

▲ Erasmus Mundus-UNESCO-IHE Scholarships

The UNESCO-IHE Institute for Water Education is an international institute for water education that was established in 2003. UNESCO-IHE continues the work that was started in 1957 when IHE first offered a postgraduate diploma course in hydraulic engineering to practicing professionals from developing countries. Integrated flood risk management aims to reduce the human and socio-economic losses caused by flooding while at the same time taking into account the social, economic, and ecological benefits from floods and the use of flood plains or coastal zones. The need for the adoption of a holistic integrated approach to managing flood risks has been reflected in the Flood Directive of the European Parliament. Existing Masters programmes on floods offered at EU cover many technical aspects but lack integration. The programme follows the holistic approach and is explicitly designed to cover a wide range of topics - from drivers and natural processes to models, decisions and socio-economic consequences and institutional environment, and is therefore an important advance in water education for Europe.

The programme is offered by a collaboration of 4 leading European Institutes namely UNESCO-IHE (lead), Technical University of Dresden (Germany), Technical University of Catalonia (Barcelona, Spain) and University of Ljubljana (Slovenia). The first semester will be provided at Dresden, 2nd semester at UNESCO-IHE, 3rd at Catalonia and Ljubljana, and 4th semester will be thesis research at one of the Institutes. Successful students will receive 3 MSc degrees from UNESCO-IHE, TU Dresden and UPC Barcelona. A number of attractive fellowships will be available, which will cover tuition fees and living expenses.

Readmore: <http://cambodiajobs.blogspot.com/2010/08/erasmus-mundus-unesco-ihe-scholarships.html>

▲ [The Khalifa International Date Palm Award](#)

▲ [Hellenic Aid Scholarships Programme for Foreign Students from Developing Countries, Greece](#)

Within the framework of international development cooperation and assistance, each year, Hellenic Aid grants approximately 100 scholarships to foreign and expatriate students deriving from developing countries for graduate and postgraduate studies at Greek universities and technological education institutes.

▲ [International Under Graduate Scholarships in Istanbul Sehir University 2010-2011, Turkey](#)

Istanbul Sehir University, established in 2008, will open its doors for the very first students with 4 faculties and 10 departments. The university invites international applicants to come study in Istanbul, Turkey.

▲ [Call for an expert on water and sewerage management in Tsunami affected areas.](#)

Documents: [1](#) - [2](#)

▲ Humboldt-International Climate Protection Fellowships

Every year, the Alexander von Humboldt Foundation enables more than 2,000 researchers from all over the world to spend time researching in Germany. The Foundation maintains a network of more than 24,000 Humboldtians from all disciplines in over 130 countries worldwide - including 43 Nobel Prize winners.

The International Climate Protection Fellowships enable prospective leaders to conduct a research-related project of their own choice during a one-year stay in Germany. Submit an application if you are a prospective leader from a non-European threshold or developing country (see list of countries) working in the field of climate protection and resource conservation in academia, business or administration in your country. Applicants must provide a clearly visible leadership potential either by experience in a first leadership position or be able to provide appropriate references. They must also have completed their first university degree (Bachelor's or equivalent academic degree) less than 12 years prior to the start of the fellowship with outstanding results. Readmore: <http://cambodiajobs.blogspot.com/2010/08/humboldt-foundation-international.html>

▲ Sato International Scholarship Foundation

Established this foundation with the earnest desire to help create a peaceful 21st century with a future full of hope. By granting scholarships to overseas students of ASEAN and other Southwest Asian countries who wish to study in our country, as well as to those Japanese students who wish to pursue academic research overseas, I believe we can nurture truly "globally-minded" personnel. Thus, more and more people will be capable of mutual understanding, working in good harmony and helping each other grow.

The Sato International Scholarship Foundation grants two types of scholarship for self-supporting students from ASEAN countries as well as Southwest Asian countries enrolled in a Japanese undergraduate or graduate institution:

1. Scholarship for Self-Supporting Students (Undergraduate students: 120,000 yen/month , Graduate students: 180,000 yen/month)
2. Scholarship for Short-Term Exchange Students.

Readmore: <http://cambodiajobs.blogspot.com/2010/01/sato-international-scholarship.html>

▲ OSI Fellowships

The Open Society Institute (OSI) works to build vibrant and tolerant democracies whose governments are accountable to their citizens. To achieve its mission, OSI seeks to shape public policies that assure greater fairness in political, legal, and economic systems and safeguard fundamental rights. On a local level, OSI implements a range of initiatives to advance justice, education, public health, and independent media. At the same time, OSI builds alliances across borders and continents on issues such as corruption and freedom of information.

The Open Society Fellowship supports individuals who are developing innovative solutions to pressing open society challenges. The fellowship program seeks applicants eager to communicate original and provocative ideas to a broad audience, as well as to shape policy and inspire critical debate among activists, intellectuals, decision makers, and the public. The program also aims to sharpen OSI's thinking, question its assumptions, and broaden its understanding of pivotal problems.

Readmore: <http://cambodiajobs.blogspot.com/2010/08/osi-fellowships.html>



▲ [Asia Research Institute-National University of Singapore Fellowships](#)



▲ [African Graduate Fellowship at the American univ. in Cairo \(AUC\), Egypt](#) It is a competitive fellowship program for bright, highly motivated African students interested in pursuing a master's degree at AUC. Each year, fellowships are offered to nationals of African countries (not including Egyptians) for full-time study (9 credits or more) in any of the graduate programs offered at AUC.

▲ NEC Fellowships

New Europe College (NEC) is an independent Romanian institute for advanced study in the humanities and social sciences founded in 1994 by Professor Andrei Pleșu (philosopher, art historian, writer, Romanian Minister of Culture, 1990–1991, Romanian Minister of Foreign Affairs, 1997-1999) within the framework of the New Europe Foundation, established in 1994 as a private foundation subject to Romanian law.

Its impetus was the New Europe Prize for Higher Education and Research, awarded in 1993 to Professor Pleșu by a group of six institutes for advanced study (the Center for Advanced Study in the Behavioral Sciences, Stanford, the Institute for Advanced Study, Princeton, the National Humanities Center, Research Triangle Park,

the Netherlands Institute for Advanced Study in Humanities and Social Sciences, Wassenaar, the Swedish Collegium for Advanced Study in the Social Sciences, Uppsala, and the Wissenschaftskolleg zu Berlin). New Europe College – Institute for Advanced Study in Bucharest, Romania – announces the competition for Fellowships. The program targets young international researchers/academics working in the fields of humanities, social studies, and economics.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/nec-fellowships.html>

▲ [Google Earth for Educators and Pro Grants Program](#)

Learn tips and tricks for using Google Earth as a teaching tool by visiting the new Google Earth for Educators Community. On this site, you can view lesson plans for a variety of grade levels and subjects, discuss Google Earth teaching tactics with fellow educators, see student-created work and read how other teachers are using Google Earth in the classroom. In addition, educators can now apply for a Google Earth Pro Grant, in order to integrate pro features into their curricula for free.

▲ **8 PhD scholarships at University of Copenhagen**

LIFE - Faculty of Life Sciences is one of Europe's leading university environments in the areas of veterinary science, food and natural resources.

Through financial support from the Faculty of Life Sciences, University of Copenhagen, 8 PhD scholarships are available within Climate Change; Impacts, Mitigation and Adaptation. The three-year studentships are expected to be effective from 1 December or soon thereafter.

Applications are welcomed within the following 15 areas; please observe that only 8 PhD scholarships will be filled.

1. Research to prevent methane emission from ruminant livestock and associated damage to the environment
2. Downscaling climate change information for agriculture and natural resource management
3. Spatial characterisation and modelling of bio-production, eco-systems and climate driven spatial change
4. Climate change effects on ecology and pest status of noxious species
5. Developing sustainable, climate-favorable fertilizer technologies for industrial and third world agriculture
6. Waste management effects on GHG emissions and climate change – in a life cycle assessment perspective
7. Climate Change and Mitigation: Forestry and land-use change
8. Climate Change and Adaptation: Forestry and land-use change
9. Impact of climate change on emerging plant diseases and their threat to food security
10. Climate and contaminants in agricultural drainage water
11. Climate change: Coastal Flooding Impacts and Adaptation Strategies in Urban Planning
12. Economics of Climate Change and Natural Resources Management
13. Climate change- GIS-based models for assessing changes in transmission patterns and human health risks of food-borne zoonotic trematode infections in south-east Asia
14. GIS-based models and risk assessment to establish effect of climate change on Salmonella in aquacultures in South-east Asia
15. Effect of climate change on the disease biology of vector-borne helminth diseases in Africa

Readmore: <http://cambodiajobs.blogspot.com/2010/07/phd-scholarships-at-university-of.html>

▲ **Scholarships at Yokohama National University**

Yokohama National University has for many years been instrumental in providing university graduates with opportunities to further their post-graduate work. The University's special emphasis on the promotion of international exchanges with overseas universities has been stimulated by the role of Yokohama, a major port and the second largest city in Japan, as a point of contact with other countries. Yokohama is the vibrant heart of a civilization which has received direct influence from the West and then integrated these influences into the development of present-day Japan. The City of Yokohama has a well-developed infrastructure network.

Because of its central location, Yokohama has had excellent access to theoretical and practical information available through various international agencies of the government, and Yokohama National University has been closely involved in issues of infrastructure management. Much of this experience and knowledge is applicable to the infrastructure development needs of developing countries.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/scholarships-at-yokohama-national.html>

▲ [UNU Postgraduate programme: Sustainability, Development and Peace](#)

▲ [Call for APPLICATIONS for Small Grants Programme \(SGP\)](#)

Applications for grants under the Small Grants Programme under the Second Decade will be accepted between 1 July 2010 and 1 October 2010

Applications are to be submitted to:

indigenoufund@un.org during this time period. Applications submitted outside of this time period or to other email addresses will not be considered for funding. The proposals will be assessed by the Bureau of the UN Permanent Forum on Indigenous Issues in May 2011 and successful applicants will receive notice thereafter. A list of organizations awarded grants will also be posted on this website.

Please note:

- Project must have a focus on indigenous peoples
- All applicants must submit their project proposals in accordance with the Trust Fund Project Proposal Format and include both a summary sheet and a proposal document
- Projects will be disregarded if the required information is not present.
- Additional information pertaining to the proposal will not be accepted beyond the deadline of submission (1 October 2011)

Please visit our webpage to obtain updated grant information and application materials:

http://www.un.org/esa/socdev/unpfii/en/second_trustfund.html

▲ [Call for APPLICATIONS for SEEDS Awards](#)

▲ **IPCC Scholarship**

The IPCC Scholarship Programme has been established with the funds received on the occasion of the 2007 Nobel Peace Prize award to the IPCC. The first funding partner of the Programme is Dr. Gro Harlem Brundtland, Former Norwegian Prime Minister and UN Special Envoy on Climate Change. The goal of this programme is to help strengthen the scientific and technical capability in developing countries to contribute to climate science and research and to develop and implement climate change policies and measures at the domestic and international level. It aims to provide a sound knowledge base and stimulate institutional strengthening in developing countries. Priorities will include research on climate processes, the impacts of climate change in the most vulnerable regions of the world, the potential for adaptation and mitigation, and sustainable development. Readmore: <http://cambodiajobs.blogspot.com/2010/07/ipcc-scholarships.html>

▲ **Academy Scholars-Graduate Fellows at Harvard College**

The Harvard Academy for International and Area Studies is dedicated to increasing our knowledge of the culture, history, and institutions of the world's major regions and countries.

The Academy Scholars Program identifies and supports outstanding scholars at the start of their careers whose work combines disciplinary excellence in the social sciences (including history and law) with a command of the language, history, or culture of non-Western countries or regions. Their scholarship may elucidate domestic, comparative, or transnational issues, past or present.

The Academy Scholars are a select community of individuals with resourcefulness, initiative, curiosity, and originality, whose work in non-Western cultures or regions shows promise as a foundation for exceptional careers in major universities or international institutions.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/academy-scholars-at-harvard-college.html>

▲ **TIES Innovation Awards**

TIES is pleased to offer the Innovation Leadership Sustainable Tourism Awards as special occasions to recognize the distinguished achievements by those who have made significant contributions to conservation, communities and sustainable travel.

TIES Innovation Leadership in Sustainable Tourism Awards recognizes individuals and organizations who have demonstrated leadership in innovative actions that effectively promote sustainable tourism and bring tangible benefits to communities and conservation.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/ties-innovation-awards.html>

▲ **INET Research Grant**

The Institute for New Economic Thinking (INET) is an organization created to promote changes in economic theory and practice through conferences, research grants, joint ventures with academic and research institutions and other education initiatives. The Institute seeks to create an environment nourished by open discourse and empower the next generation of scholars with the necessary support to accelerate and advance new and important thinking on economic issues.

The Institute for New Economic Thinking (INET) awards Research Grants to individuals and institutions to pursue ground-breaking high-impact research in the field of economics. The Research Grant program is one of the major initiatives of the Institute. INET plans to award approximately 50 grants per year ranging in value from \$30,000-\$250,000. Grants will be awarded primarily to individuals or teams of individuals affiliated with academic institutions, think tanks and other centers of vital research on questions of import. The Institute is particularly interested in funding early stage research and research scholars and realizes that related disciplines such as history, political science, psychology and adaptations from the physical sciences may offer much of value for the Institute's program. Readmore: <http://cambodiajobs.blogspot.com/2010/07/inet-research-grant.html>

▲ UNPFII - Trust Fund

The Trust Fund for the Second Decade was established to promote, support and implement the objectives of the Decade. The Fund will give priority to projects concerning the main areas of the Second Decade: culture, education, health, human Rights, the environment and social and economic development. The Advisory Group for the Trust Fund for the Second Decade consists of members of the Permanent Forum's Bureau.

Indigenous organizations or organizations working for indigenous peoples can apply for small grants from the Trust Fund. Guidelines to applicants for the Fund will be available when the call opens every year.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/unpfii-trust-fund.html>

▲ David H. Smith Conservation Research Fellowships

The Society for Conservation Biology is pleased to solicit applications for the David H. Smith Conservation Research Fellowship Program. These Fellowships enable outstanding early-career scientists based at a United States institution to improve and expand their research skills while directing their efforts towards problems of pressing conservation concern for the United States.

The Program especially encourages individuals who want to better link conservation science and theory with pressing policy and management applications to apply. We envision that the cadre of scientists supported by the Smith Fellows Program eventually will assume leadership positions across the field of conservation science. Fellows are selected on the basis of innovation, potential for leadership and strength of proposal.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/david-h-smith-conservation-research.html>

▲ AFPF Fellowships

The Alfred Friendly Press Fellowships (AFPF), an American non-profit, non-governmental organization, is a cultural and professional exchange program for journalists. Through AFPF, journalists and their readers gain a broader view of the world and journalism thereby creating mutual understanding and peaceful relations between Americans and people of other nations. Fellows return home with new journalistic skills and knowledge, and a desire to advance a free, responsible press in their own countries—without which democracy does not exist.

Since 1984, the core program has provided developing world journalists the opportunity to work as reporters at American newspapers for five months. The program, which runs from mid-March to early September, is offered annually to print and online journalists between the ages of 25-35.

While in the U.S., Fellows spend the majority of their time reporting for their American host newspapers but are also encouraged to attend conferences and workshops, read journalism books, and make short-term professional visits to organizations that are relevant to their work at home. Special AFPF seminars are organized for the Fellows at the beginning, middle and end of the program. Upon returning home, Fellows organize and lead seminars based on the knowledge and skills gained through their AFPF experiences.

Readmore: <http://cambodiajobs.blogspot.com/2010/07/afpf-fellowships.html>

▲ PhD Research Scholarships at Asia Research Institute, National University of Singapore

Asia Research Institute (ARI) is a university-level institute formed in July 2001 as one of the strategic initiatives of the NUS. The mission of the Institute is to produce and promote world-class research on Asia. ARI engages the social sciences and humanities broadly defined, and encourages especially multidisciplinary studies. Now home to six research clusters with a strong team of resident and visiting scholars, ARI works closely with the Faculty of Arts and Social Sciences, School of Business, Faculty of Law, and School of Design and Environment in NUS. The Asia Research Institute is pleased to offer Ph.D. research scholarships from August 2011 in the following interdisciplinary areas:

- ASIAN MIGRATION
- CHANGING FAMILY IN ASIA
- CULTURAL STUDIES IN ASIA
- RELIGION & GLOBALISATION IN ASIAN CONTEXTS
- SCIENCE, TECHNOLOGY, AND SOCIETY
- ASIAN URBANISMS

Readmore: <http://cambodiajobs.blogspot.com/2010/07/phd-research-scholarships-at-asia.html>

▲ Global Fund for Women

The Global Fund for Women is an international network of women and men committed to a world of equality and social justice. We advocate for and defend women's human rights by making grants to support women's groups around the world.

The Global Fund for Women supports women's groups that advance the human rights of women and girls. GFW grants help strengthen and link women's funds based outside the United States by providing flexible and timely grants ranging from \$5,000 to \$50,000 per year for operating and re-granting expenses. First-time grant awards generally range from \$5,000 to \$25,000 per year. We value local expertise and believe that women themselves know best how to determine their needs and propose solutions for lasting change.

The Global Fund receives over 3,000 proposals a year and is able to award about 600 grants annually. Due to the large number of applications we receive, please allow seven to nine months to review your request. We accept applications throughout the year and award grants every three months.

We have three types of grants:

1. General Support Grants
2. Travel Grants
3. Organizing Meeting/Event Grants

Readmore: <http://cambodiajobs.blogspot.com/2010/07/global-fund-for-women.html>

▲ **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. Scholarship awards are made on the basis of the candidate's academic record and work background, mathematical and statistics skills, English language proficiency, and potential for contributing to the macroeconomic and financial management and economic development of their country. Readmore: <http://cambodiajobs.blogspot.com/2010/07/japan-imf-scholarships.html>

▲ **Charlotte Conservation Fellowship Program**: AWF is offering scholarships for full MSc or partial Ph.D. programs with field research components that produce knowledge or insight into specific conservation challenges in the African Heartlands or Conservation in general. This year, applicants must be citizens from Democratic Republic of Congo, Southern Sudan, South Africa, Zambia, Niger, Benin and Burkina Faso. Women who meet the eligibility requirements are particularly encouraged to apply. Expenses that AWF expects to cover under the scholarship will vary depending on the individual program selected by the scholarship recipient, but each scholarship is valued at a maximum cost of US\$25,000.

▲ **The WCS Research Fellowship Program (RFP)** is a small grants program administered by the Wildlife Conservation Society (WCS) Institute. In 2010, the RFP was re-designed and re-launched with a new focus of supporting work directly related to WCS priority land/seascapes, species, and/or the global challenges of wildlife health, climate change, human livelihoods, and natural resource extraction. The Program seeks to support the field work of graduate-level students who will work with WCS staff in Asia, Africa, Latin America, and in special cases, North America. Collectively, the professionals receiving RFP grants will apply field-tested conservation science to the challenges facing the natural world. Individuals interested in submitting an RFP application should visit <http://programs.wcs.org/grants> for eligibility information. **The application deadline is January 5, 2011.** The maximum award is \$20,000. For more information, please email fellowship@wcs.org

▲ **SEED Awards 2010 Open**: The SEED Awards for Entrepreneurship in Sustainable Development is an annual awards scheme designed to find the most promising, innovative and locally led start-up social and environmental entrepreneurs in countries with developing and emerging economies. An international jury of experts selects enterprises, which have the potential to make real improvements in poverty eradication and environmental sustainability while contributing to a greener economy. **The deadline for the 2010 applications is 16th August 2010.** For more information and to apply go to: <http://www.seedinit.org/en/awards/about-the-seed-awards/how-to-apply-and-application-form.html>

▲ **Global Environmental Leadership Fellows**: The Institute on the Environment at the University of Minnesota has 4 new openings for Global Environmental Leadership Fellows. These Fellows will be part of a novel research and training environment, aimed at preparing the next generation of leaders to address the world's environmental grand challenges. The Institute on the Environment is searching for fellows to conduct cutting-edge research to develop solutions to pressing global issues, such as land use and ecosystem

management, global food security, freshwater resources, climate change adaptation, emerging diseases and links between population and development. **Applications are due by August 1, 2010.** For more information, please contact Prof. Jonathan Foley, Director Institute on the Environment (jfoley@umn.edu).

▲ **Marie Curie Individual Fellowships at Fondazione Eni Enrico Mattei:** Fondazione Eni Enrico Mattei (FEEM), an Italian leading research institute devoted to the study of sustainable development and global governance, welcomes Marie Curie Individual Fellowship applications for its research programs in: sustainable development; institutions and markets; and global challenges. FEEM will offer a truly international and multi-disciplinary workplace, and the strong ties with a world-wide network of research will allow a continuous fruitful exchange of experience. More information on the Marie Curie Fellowships, including how to apply, is available at: <http://www.feem.it/getpage.aspx?id=433>. **The deadline for the 2010 call is 17 August.**

▲ **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

▲ **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.**



▲ **The IFS Granting Programme for developing countries** is open for project proposals from developing country scientists who meet the eligibility criteria and conduct research on the sustainable management of biological resources. An IFS Research Grant has a maximum value of USD 12,000.



▲ **MS/PhD scholarships at SEARCA** The Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) invites applications for its graduate scholarship (MS and PhD) in agriculture and related fields (including biological sciences, social sciences, economics and statistics, forestry and fisheries, environmental sciences, agro-industrial technology and engineering, biochemistry, and development management).

▲ **Research fellowships for foreign citizens in Turkey** Travel and research grants will be awarded to highly qualified Ph.D. students and young post-doctoral researchers to conduct part of their research in Turkey.

▲ **Fujitsu Scholarship study at Hawaii, USA**

The Fujitsu Asia Pacific Scholarship (Fujitsu Scholarship) Program, sponsored by Fujitsu Limited, provides financial assistance for postgraduate education and cross-cultural management training to participants from the Asia-Pacific region. Fujitsu Limited, an international leader in information technology, telecommunications, semiconductors and electronics that is headquartered in Tokyo, established the Fujitsu Scholarship to commemorate its 50th anniversary in 1985.

The Fujitsu Scholarship supports your development as a global leader by funding your participation in the East-West Knowledge Leaders Program.

Hone your leadership vision with this specialized program, delivered by JAAMS, in the wonderful setting of Honolulu, Hawaii. The diverse student body and rigorous curriculum will stretch you to be your best, and prepare you to lead your organization to success in the 21st Century.

Readmore: <http://cambodiajobs.blogspot.com/2008/01/fujitsu-scholarship.html>

▲ **Grants:**

[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](#)

[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](#)

[Foundation for Pennsylvania Watershed 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](#)

[EPA – National Environmental Education Training Program](#) NEW

[Sprout Fund Spring Program – Grants for Biodiversity Projects](#) NEW

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

▲ **Awards:**

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

[Maryland Department of Natural Resources Photo Contest](#)

[Nature Conservancy's 5th Annual Digital Photography Competition](#) NEW

[2010 Share the Experience Photo Contest](#) NEW

[Earth Science Week 2010 Photography Contest "We Depend on Energy"](#) NEW

[Earth Science Week 2010 Visual Arts Contest "Energy on Earth"](#) NEW

[Earth Science Week 2010 Essay Contest "How Energy Powers the Planet"](#) NEW

[2010 New Jersey Governor's Environmental Excellence Awards](#) NEW

PEOPLE

Instructor: Jennifer Hildebrand, CPESC, CPSWQ

Jennifer Hildebrand has been involved in the erosion and sediment industry for over 17 years. She is also a licensed and Certified Professional in Erosion and Sediment Control (#1712) and a licensed and Certified Professional in Stormwater Quality (#134).

Currently employed by Weis Builders, Jennifer's experience and industry involvement allow Weis Builders to deliver excellence in stormwater compliance to their commercial construction clients. Her specialties include compliance issues, inspection programs, program design, and site plan reviews. Her involvement in the construction industry has provided her with experience in a wide variety of erosion and sediment control products and services. As a result, Jennifer has developed a selection of technologies that involve several methods of hydraulic application techniques and biotechnical stabilization practices throughout the Midwest United States and Canada. ieca@ieca.org



Meg Tully, CAE



Meg Tully, CAE, has more than 15 years experience in the association management business and currently serves as IECA's Association Development Director. She is a Certified Association Executive and a member of the American Society of Association Executives. Her main areas of responsibility with IECA include publications, the Chapter program and membership recruitment. Having worked for IECA since 1992, Meg knows pretty much everything there is to know about the association. So ask your questions today - make sure you know how membership can boost your bottom line and your career! ieca@ieca.org

Steven Polk



Steve Polk has been involved in the engineering industry for more than 35 years. Since 2006, he has been actively involved in the design, construction, monitoring and maintenance of stormwater BMPs. Since launching Stormwater STL in 2008, his business has focused exclusively on stormwater management. His experience includes wet ponds, surface sand filters, underground sand filters and bioretention facilities. A member of IECA, Steve is also a past officer of the Missouri Society of Professional Engineers St. Louis Chapter, The Engineers Club of St. Louis and the Consulting Engineers Council of Missouri.

IECA Remembers Two Industry Pioneers



OBITUARY: Alfred Tsuguo Nitta, CPESC, founder of Nitta Erosion Control, passed away on May 31, 2010 on the family ranch in Loomis, CA where he was born on March 19, 1923. Al was 87 years old. Al joined IECA in 1977 and was awarded the Environmental Achievement Award for his innovative retrofit designs and, at 85 years of age, was named Contractor of the Year at EC08 in Orlando, FL. Donations in Al's memory can be made to First Bank, 1625 Douglas Blvd., Roseville, CA, 95661 - Attn: Kamal. [More >>](#)



OBITUARY: Dr. Sherri L. Dunlap, MBA, D.Eng. CPESC, of Houston, TX, passed away on June 25, 2010. In lieu of flowers, the family requests donations to the Caring Aggie Mentoring Program (C.A.M.P.) c/o Houston A&M Club, PO Box 27382, Houston, TX 77227, the [American Diabetes Association](#) or the International Crane Foundation, PO Box 447, Baraboo, WI 53913. Sherri was the Applied Technology and New Product Manager for the Harris County Flood Control District in Houston. She made technology more available for HCFCD, its engineering consultants and others by sponsoring the creation of design manuals such as the HCFCD Design, Installation, and Maintenance Manual for Gabion Structures. She also sponsored the Design Manual for Articulating Concrete Block Systems written by Paul Clopper, P.E. in 2001. Sherri was a member of IECA since 1995, where she served on the IECA Board of Directors for seven years. She also chartered the South Central Chapter of IECA which includes Texas, Oklahoma and Arkansas. [Click here to sign a guestbook \(will remain online until July 27\) >>](#).

Hari Eswaran retired



Hari Eswaran

Dr Hari Eswaran retired on 30 June 2010. We will be creating a "Book of Remembrance" that will include letters and photos. So please feel free to send in your letters and photos in honor of his friendship and service. Please send them to Paul Reich via email by 16 July: paul.reich@wdc.usda.gov. If you would like to make a donation for a retirement gift please contact Paul Reich. Please pass this along to anyone else that may know Hari. (From IUSS Alert 63)

PHOTOS

▲ There is a USDA photogallery that has many photos suitable for our use at no cost, but it should be acknowledged as appropriate. <http://photogallery.nrcs.usda.gov/>

VIDEO CONTEST

▲ UN Citizen Ambassadors Video Contest

One winning entry will be selected per regional group of the UN General Assembly: African States; Asian States; Eastern European States; Latin American and Caribbean States; and Western European and other States, plus one winner representing the host country of the contest, the United States of America, for a total of six winning videos. 6 Winners Will Receive

1. 1 HD Mino Flip Cam courtesy of UN Foundation and Flip Video
2. Honorary title of "Citizen Ambassador to the UN" for two years
3. Complimentary flight + 2 night stay in New York City for UN Day 2010
4. Meeting and photo-op with Secretary-General Ban Ki-moon
5. VIP seating at UN Day Concert in the GA Hall at UNHQ
6. The winning videos will be screened at the UN by end of year

Readmore: <http://cambodiajobs.blogspot.com/2010/08/un-citizen-ambassadors-video-contest.html>

POSTER CONTEST

Earth Day 2010 Poster Contest Winners

From <http://www.epa.gov/region03/ee/posters2010/> with thanks

Note: Click on any picture to enlarge it. Then use the right and left arrows on your keyboard to view the slideshow.



Artwork by Max Tate, 2nd Grade,
Madison Heights, VA



Artwork by Alexi Spector, 10th Grade
Forest Hill, MD



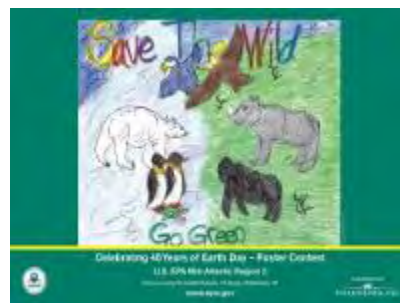
Artwork by Ann Marie Colburn, 9th Grade
LaPlata MD



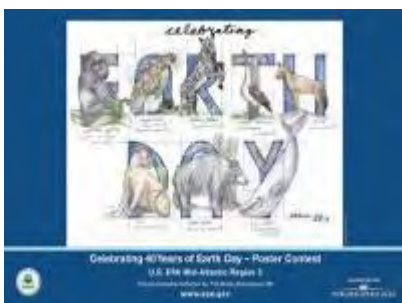
Artwork by Corrine Wolfe, 7th Grade
Bel Air, MD



Artwork by Christine Condon, 6th Grade
Lutherville, MD



Artwork by Vasiliki D., 7th Grade
Philadelphia, PA



Artwork by Katherine Ha, 11th Grade
Germantown, MD



Artwork by Madison Trupia, 7th Grade
Abingdon, MD



Artwork by Asha Kelton, 10th Grade
Waldorf, MD



Artwork by Lulu Lynham, 4th Grade
Lovettsville, VA



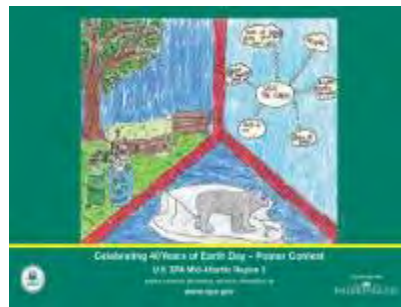
Artwork by Jared Brossman, 2nd Grade
Leesburg, VA



Artwork by Gregory Y., 9th Grade
Freeland, PA



**Artwork by Yusuf Kose, 2nd Grade
Newark, DE**



**Artwork by Ella Schrand, 4th Grade
Philadelphia, PA**



**Artwork by Sahil Talati, 3rd Grade
Beltsville, MD**

Advertisement Water quality monitoring: Diver and e-SENSE

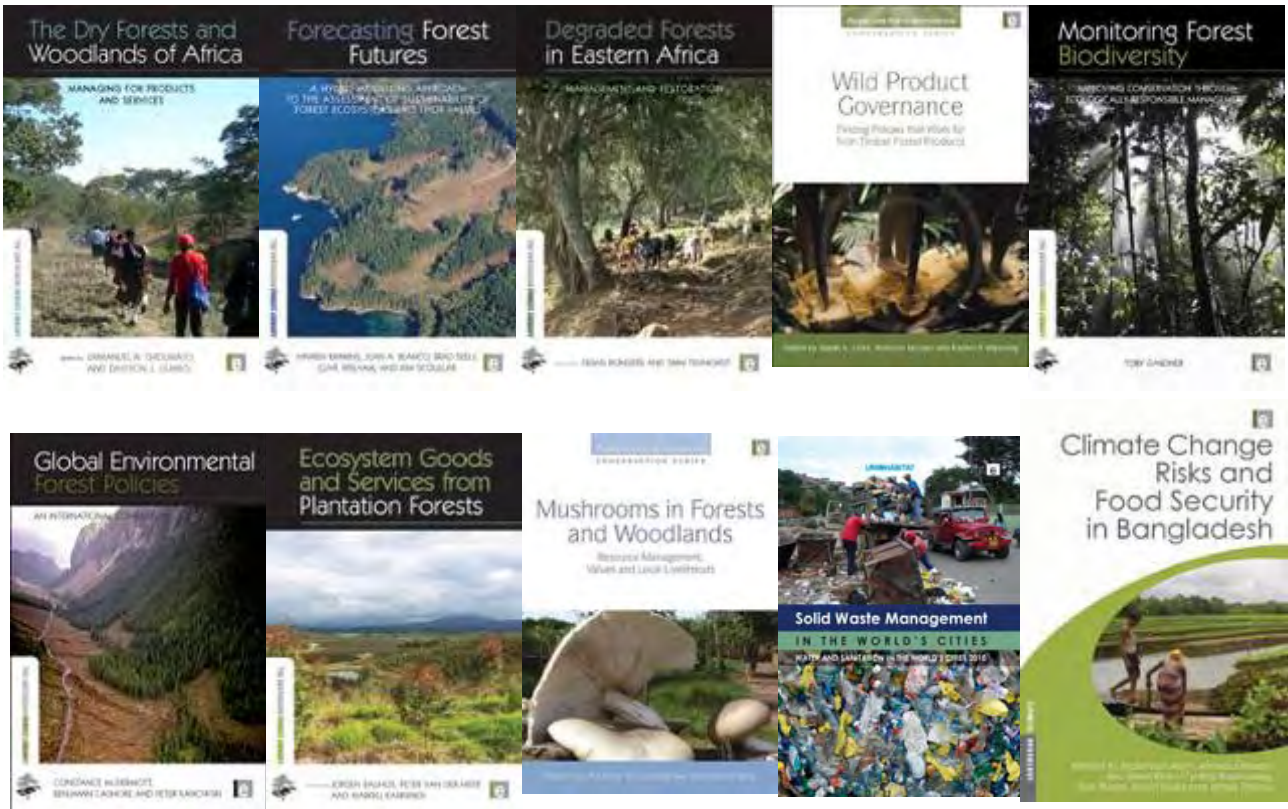
To thoroughly make use of all possibilities that water offers, water will have to be managed. That concerns both a dry area in Africa as well as a relatively wet country, such as the Netherlands. To interfere in the water-balance of a certain area, full knowledge is necessary. A small change can have 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

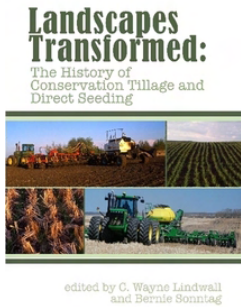
From EARTHSCAN www.earthscan.com



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**Make English
Part Of Your Life**

▲ A book documenting the history of Conservation Agriculture on the Canadian Prairies has recently been published. **“Landscapes Transformed: The History of Conservation Tillage and Direct Seeding”** 233 pp. can be freely downloaded from <http://www.kis.usask.ca/ZeroTill/index.html> or buy hardcopy for only \$9.16/copy, plus postage.



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Indian Head , SK S0G 2K0
Ph: (306) 695-4235; Fax: (306) 695-4236; Cell: (306) 536-5487
bmccclinton@ssca.ca, www.ssca.ca

▲ **Food Security and Climate Change in Dry Areas: Abstracts Book**

The book of Abstracts of the International Conference on Food Security and Climate Change in Dry Areas held in Amman, Jordan on 1-4 February 2010 is now available online at http://www.icarda.org/docrep/Books/Food_security_abstracts.pdf. The meeting was organized by NCARE, ICARDA, AARINENA, APAARI, Bioversity International, CACAARI, GFAR, FAO, IDRC, SRSF and MESF. This announcement can be found at <http://icardablog.wordpress.com/2010/07/20/food-security-and-climate-change-in-dry-areas-abstracts-en/>.

Third Campaign

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Geschäftsführerin: Marianne Kaiser. Amtsgericht Gießen HRB 2780 VAT DE 178301934

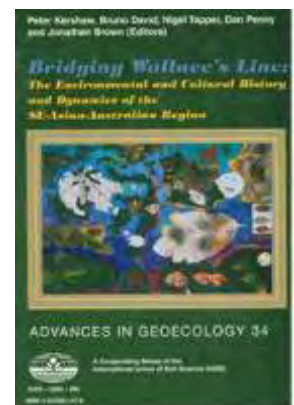
P. Kershaw, B. David, N. Tapper, D. Penny & J. Brown (Eds.)

Bridging Wallace´s Line: The Environmental and Cultural History and Dynamics of the SE-Asian-Australian Region

Advances in GeoEcology 34

ISBN 978-3-923381-47-0 US ISBN 1-59326-242-6 (2002)

list price EUR 109.00 **birthday rate EUR 54,50**



In the early 1990s, there was general interest in Australia in improving political and economic links with the Asia region, particularly SE Asia, Australia´s nearest neighbours. Monash University was keen on extending these linkages with social, cultural and environmental interests in mind. Consequently, support in the form of a Monash Development Fund grant was received to examine historical relationships between two regions, from an integrated human and physical geographical perspective. Towards the end of the three-year period of support, a conference was held in December 1996 to discuss research findings, to place them within a more national and international research context, and to establish priorities for future investigation. Attracting some 50 contributors from various parts of the world additional to Australia and SE Asia, it was clear from the meeting that **exciting new discoveries were being made which would substantially change perceptions about the history of SE Asia and its relationships with Australia.** It was decided that a book should be published to encapsulate these new data and ideas and share them with the broader research community and general public. However, time was needed to complete some research projects and clarify some emerging concepts. Time has also resulted in new information. This volume incorporates some of the original contributions that have matured considerably since the mid-1990s, as well as new contributions that have emerged in the intervening years. (*Preface*)

L. Stroosnijder & T. van Rheenen (Eds.)

Agro-Silvo-Pastoral Land Use in Sahelian Villages

Advances in GeoEcology 33

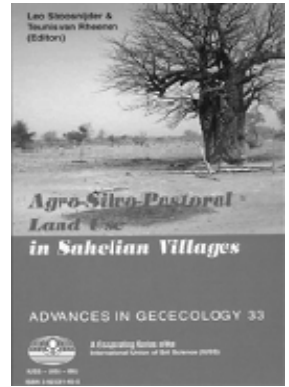
ISBN 978-3-923381-45-6, US ISBN 1-59326-241-8 (2001)

list price EUR 101.00 **birthday rate EUR 50.00**

The book **Agro-Silvo-Pastoral Land Use in Sahelian Villages** synthesises results of 10 years research by the Wageningen University in a partnership with the University of Ouagadougou. The aim was to ascertain the conditions under which Sahelian villages are able and willing to improve the productivity of their natural resources and subsequently use and manage these resources in a sustainable way.

Major findings of disciplinary nature were brought into a framework that allowed the holistic analysis of land use and this is now used as a tool for guiding rural development.

This book is of interest for a wide public, Africanists and others. Social scientists will learn about the perception of land use in Sahelian villages. Soil and water experts and ecologists will be interested in the dynamics of Sahelian natural resources and economists and policy makers will hope to find viable development paths to improve food security. Finally, a lot of people will be interested in the well-documented struggle from disciplinary knowledge to a multi-disciplinary understanding.



B. Meissner & P. Wycisk (Eds.)

Geopotential and Ecology –

Analysis of a Desert Region

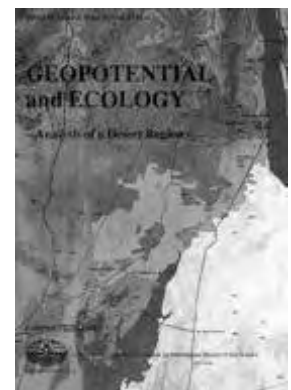
CATENA SUPPLEMENT 26

ISBN 978-3-923381-35-7, US ISBN 1-59326-234-5 (1993)

list price EUR 96.50 **birthday rate EUR 48.00**

The interdisciplinary approach within the study area covers in detail aspects of remote sensing data in cartography, landscape evolution and paleoclimate, sedimentary basin studies including mineral resources, groundwater assessment and management, soil associations and land suitability, landscape ecology and phytomass production of wild and cultivated plants.

6 thematic maps 1: 1 000 000: Topography, Lithology, Hydrogeology, Soil Association, Land Suitability (for irrigated agriculture), Vegetation.



Paul W. Williams (Ed.)

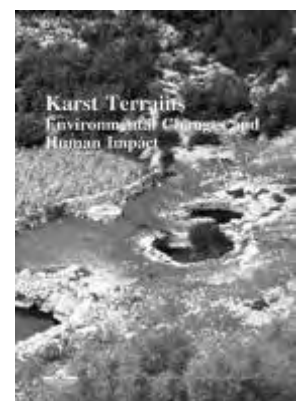
Karst Terrains – Environmental changes and Human Impact

CATENA SUPPLEMENT 25

ISBN 978-3-923381-34-0, US ISBN 1-59326-233-7 (1993)

list price EUR 96.50 **birthday rate EUR 48.00**

Most continents of the Earth have arid and semi-arid regions. These regions in sum contain 20% of the world's population and comprise over 30% of the world's total land area. Many developing countries are composed of extensive arid and/or semi-arid areas, where the needs of the rapidly increasing population have often led to misuse of the land. In recent years the consequences of such misuse have been compounded by drought, initiating a severe desertification process. Desert eco-systems are so delicately balanced and fragile such that once disturbed they may require a length period of time to recover.



M. Boer & E.A. Koster (Eds.)

Greenhouse Impact on Cold-Climate Ecosystems and Landscape Systems

CATENA SUPPLEMENT 22

ISBN 978-3-923381-31-9, US ISBN 1-59326-230-2 (1992)

list price EUR 60.50 **birthday rate EUR 30.00**



The global dimension of the problem and the potentially hazardous implications are leading to calls for a large research effort to quantify the nature, magnitude and rate of climate changes and sea level rise, the impact on the natural environment and society, as well as the feedbacks to the global climate system.

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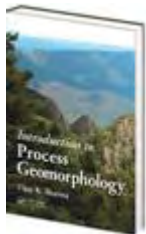
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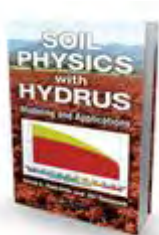
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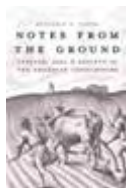
Introduction to Process Geomorphology. Vijay K. Sharma. CRC Press, 2010. 435 pp. ISBN: 9781439803370. Price: \$119.95. Introduction to Process Geomorphology provides an integrative approach to the process dynamics and the origin of landforms by the contemporary processes involved in their evolution. The author highlights the physical and chemical laws governing the activity of the earth-surface processes in specific environmental stress conditions and puts forward competing hypotheses on the evolution of landforms, and discusses the bases of internal geologic processes for the explanation of the tectogenic features of the earth. Landforms also evolve over a long period of cyclic and geologic time, inheriting the imprints of past process rates and/or process domains. The principles and methods of evaluating the signature of environmental change are highlighted in the text by citing suitable studies. The process-form relationships provide the building blocks also for the optimum utilization of the land resources of the earth, and quantitative assessment of the stability of geomorphic systems and the quality of environment. The approach in this part of the text enables readers to gain an in-depth understanding of the application of the principles of geomorphology to the evaluation, planning and management of the earth's resources for sustainable development. (From IUSS Alert 63)



Soil Physics with HYDRUS: Modeling and Applications. David E. Radcliffe and Jiri Simunek. CRC Press, 2010. 388 pp. ISBN: 9781420073805 Price: \$99.95. Numerical models have become much more efficient, making their application to problems increasingly widespread. User-friendly interfaces make the setup of a model much easier and more intuitive while increased computer speed can solve difficult problems in a matter of minutes. Co-authored by the software's creator, Dr. Jirka Šimunek, Soil Physics with HYDRUS: Modeling and Applications demonstrates one- and two-dimensional simulations and computer animations of numerical models using the HYDRUS software. Classroom-tested at the University of Georgia by Dr. David Radcliffe, this volume includes numerous examples and homework problems. It provides students with access to the HYDRUS-1D program as well as the Rosetta Module, which contains large volumes of information on the hydraulic properties of soils. The authors



use HYDRUS-1D for problems that demonstrate infiltration, evaporation, and percolation of water through soils of different textures and layered soils. They also use it to show heat flow and solute transport in these systems, including the effect of physical and chemical nonequilibrium conditions. The book includes examples of two-dimensional flow in fields, hillslopes, boreholes, and capillary fringes using HYDRUS (2D/3D). It demonstrates the use of two other software packages, RETC and STANMOD, that complement the HYDRUS series. (From IUSS Alert 63)



Notes from the Ground: Science, Soil, and Society in the American Countryside. Benjamin R. Cohen. Yale University Press, 2009 - Technology & Engineering. 272 pages. Notes from the Ground examines the cultural conditions that brought agriculture and science together in nineteenth-century America. Integrating the history of science, environmental history, and science studies, the book shows how and why agrarian Americans—yeoman farmers, gentleman planters, politicians, and policy makers alike—accepted, resisted, and shaped scientific ways of knowing the land. By detailing the changing perceptions of soil treatment, Benjamin Cohen shows that the credibility of new soil practices grew not from the arrival of professional chemists, but out of an existing ideology of work, knowledge, and citizenship. (From IUSS Alert 63)



Soil Atlas of the Northern Circumpolar Region. Catalogue Number: LB-NA-23499-EN-C. ISBN: 978-92-79-09770-6, ISSN: 1018-5593. Euro 25. The atlas describes the origin and major characteristics of the different soil types that can be found in this environment. The atlas discusses the possible impacts of climate change on permafrost-affected soils and explains the critical role that they play in the global climate and global carbon cycles. The distribution of soil types for the entire northern circumpolar region can be visualised in a comprehensible manner by the lay-person.

Information on the major soil types is presented in detail on twenty six map plates (the atlas has an A3 page size giving a dramatic A2 spread for maps). In a novel exercise, the World Reference Base for Soil Resources has been used as a framework for correlating knowledge from diverse national soil classification systems into a single, coherent, inter-continental product. The atlas illustrates the diversity of soil in the permafrost and seasonally frozen environments through a series of maps supported by explanatory and easily readable texts, high quality photographs and descriptive graphics. The atlas presents the reader with a series of maps that show the variation of soil properties in a circumpolar context and from a polar perspective, allowing comparisons to be made across international boundaries. In addition, larger scale maps show the distribution of major soil types by regions with descriptions of the major issues.

<http://eussoils.jrc.ec.europa.eu/library/maps/Circumpolar/Download.cfm> (From IUSS Alert 63)

PROCEEDINGS

2010 Conference Proceedings Available

You may now obtain the abstract volume and CD of the proceedings of the **Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics** for \$250, plus shipping and handling. Please see our website at <http://5geoeqconf2010.mst.edu> to view the [Conference Report](#), or click on [Proceedings Available](#) to download the Proceedings Order Form.

[Past proceedings of 1984 - 2008 conferences](#) are also being offered with discounts using the same order form.

Shamsher Prakash

Conference Chairman, Emeritus Professor of Civil Engineering, Email: Prakash@mst.edu

REPORTS

▲ [REDD+ in Dryland Forests: Issues and prospects for pro-poor REDD in the miombo woodlands of southern Africa](#), by Bond, I., Chambwera, M., Jones, B., Nhantumbo, I., Chundama, M., May 2010, **Natural Resource Issues 21, IIED, London, 68 pp.**: The Program on Forests (PROFOR) supported a research project in the miombo ecoregion to address some of the issues that a REDD program in the region would be confronted with. Three country case studies covering Zambia, Mozambique and Namibia were used to draw lessons from CBNRM that could inform pro-poor REDD as well as providing the likely opportunity costs of REDD+. The study draws on well-documented experiences of CBNRM and wide consultations undertaken by country experts during the study.

▲ [Seeing REDD in the Amazon: A win for people, trees and climate](#), by Viana, V.M., March 2009, **Opinion paper, IIED, London, 2 pp.**: In Amazonas, Brazil's biggest state, people are using an approach called REDD to conserve their forests in return for credit. This project's success has huge implications for reducing deforestation, cutting emissions and eradicating poverty, and its time has definitely come.

▲ **[Sustainable Development in Practice: Lessons Learned from Amazonas](#)**, by Viana, V.M., June 2010, *Environmental Governance* 3, IIED, London, 60 pp.: During the last ten years, Professor Virgilio Viana has pioneered several options for more forest-friendly forms of development in the Amazonas, which are characterized by being scientifically sound, simple to understand, and attractive to many stakeholders. For example, the Bolsa Floresta scheme – where forest households are rewarded with monthly payments into credit card accounts for practising ‘farming without fire’ – is conserving carbon, biodiversity and more. This book is the result of a short sabbatical at IIED to reflect on this experience, telling the story of Bolsa Floresta, many other schemes, and of improving the mandates of environmental institutions so that they become sustainable development agents.

▲ **CGIAR publishes report on research for agriculture and climate change through CCAFS challenge program** The Climate Change, Agriculture and Food Security (CCAFS) challenge program of the Consultative Group for International Agricultural Research (CGIAR) recently published its first report on research for agriculture and climate change. The report addresses food security and its relationship to climate change, and outlines the objectives of the CCAFS and their research agenda. The full report, along with CCAFS’s other publications, is available [here](#).

▲ **New report documents the recent declines in global biodiversity**
A report recently published in Science Magazine, titled “Global biodiversity: indicators of recent declines,” compiles 31 indicators to determine the progress that has been made towards the 2002 Convention on Biological Diversity. The findings of this research show that the majority of these indicators show a decline in biodiversity. The full article is available [here](#).

▲ **Satoyama Initiative compiles case studies and literature database on socio-ecological landscapes**
The Satoyama Initiative was jointly created by the Ministry of the Environment of Japan and the United Nations University Institute of Advanced studies to conserve sustainable types of human-influenced natural environments through broader global recognition of their value. The case studies published on their [website](#) provide diverse examples of positive human-nature relationships on the landscape scale. The Satoyama Initiative’s website also contains an extensive, searchable database of literature the world’s various socio-ecological landscapes. It is available [here](#).

▲ **[CleanEnergyGroup Presents: Accelerating Climate Technologies Report](#)**
"Accelerating Climate Technologies: Innovative Market Strategies to Overcome Barriers to Scale-Up," by Jessica Morey, Lewis Milford, Lindsay Madeira, Clean Energy Group. July 2010.
This new report issued by Clean Energy Group (CEG) shows that successful climate technology innovation may come from where we least expect it – not from the private sector alone or from developed countries - but from emerging markets in developing economies. The paper describes how new innovations models coming from some of the least developed countries are achieving success. These new public-private “innovation system” approaches to accelerate climate technologies in developing countries could be used by the developed world to overcome similar market barriers for clean energy.
The report is posted on Clean Energy Group's website at www.cleanegroup.org.

▲ **EPA’s Office of Wetlands, Oceans and Watersheds (OWOW) Annual Report**
The 2009 Annual OWOW Report has been released. The OWOW works to protect and restore marine and freshwater ecosystems in collaboration with many other organizations. This report details some of the OWOS most significant accomplishments in 2009. For more information and to view the report, visit <http://www.epa.gov/owow/org.html>

▲ **USDA Releases CEAP for Upper Mississippi River Basin**
The USDA Natural Resources Conservation Service (NRCS) released the Conservation Effects Assessment Project (CEAP) report for the Upper Mississippi River Basin. The project was focused on quantifying existing ecological services. Data was collected on soils, vegetation, nitrogen cycling, migratory birds, and amphibians from 88 different sites between 2006 and 2008. For more information and to view the report, visit <http://www.nrcs.usda.gov/technical/nri/ceap/index.html>

▲ **Highlands Regional Study: Connecticut and Pennsylvania 2010 Update**
The USDA Forest Service has released a study detailing its inventory and evaluation of natural resources in the Highlands of Connecticut and Pennsylvania. The report also provides likely effects of land-use changes on these resources. Part 1 shows where high natural resource values were found and Part 2 analyses the pattern and rate of land use change to model future growth.

For more information and to view Part 1, visit http://www.na.fs.fed.us/highlands/regional/study_pt1.shtm

For more information and to view Part 1, visit http://www.na.fs.fed.us/highlands/regional/study_pt2.shtm

To view the technical reports, visit <http://www.na.fs.fed.us/highlands/techreports/index.shtm>

▲ **EPA Issues Report on Water Pollution Control Needs for Next Two Decades**

The U.S. Environmental Protection Agency (EPA) has released a new report estimating that over \$298 billion will be necessary for wastewater and stormwater pollution control over the next 20 years. This includes \$192 billion for wastewater treatment and collection systems, \$64 billion for combined sewer overflow corrections and \$42 billion for stormwater management. This report has a \$43 billion increase from the previous 2004 report mainly due to improved reporting, aging infrastructure, population growth and stricter water quality standards. To view the report, visit <http://www.epa.gov/cwns>.

▲ **U.S. EPA Sourcebooks Explain Water Management Cycle**

The U.S. Environmental Protection Agency's (EPA) online "Water Sourcebooks" are useful educational tools that contain 324 activities for grades K-12 related to the water management cycle and its effect on the environment. The activities include hands-on investigations, fact sheets, and reference materials. They are available in PDF format and can be printed or copied. For more information, visit <http://www.epa.gov/safewater/kids/wsb/>

▲ **Ecoregions of the U.S., New York Map**

The U.S. Geological Survey (USGS) has been working on this map showing Level III and IV ecoregions for every state in the nation. To view the newest New York map with descriptive text, summary tables and pictures, visit <ftp://ftp.dec.state.ny.us/dfwmr/fieldnotes/625/ecoregionsmap.jpg>.

To view information on ecoregions of other states in the U.S., visit

http://www.epa.gov/wed/pages/ecoregions/level_iv.htm

▲ **New FAO report studies dairy greenhouse gas emissions**

FAO has released a new **study** that surveys all major milk production systems and their contributions to greenhouse gas emissions. According to the report, the dairy sector accounts for roughly four percent of all global anthropogenic greenhouse gas emissions. This figure includes both emissions associated with the production, processing and transportation of milk products as well as emissions related to meat produced from animals originating from the dairy system.

▲ **Ecosystem Marketplace releases State of Watershed Payments report**

This **report** is the first ever attempt to catalogue the use of watershed service payments, including those within agricultural landscapes, across the world. It uses project-level data to estimate the overall size and scope of the payments directed to protect or restore watershed services, estimates changes over time, and looks forward to the opportunities and challenges for the future of these markets.

HANDBOOKS, MANUALS, GUIDELINES

▲ **EPA Releases the Fiscal Year 2011 National Water Program Guidance**

The Fiscal Year (FY) 2011 National Water Program Guidance has been released by the U.S. Environmental Protection Agency (EPA). It defines the environmental and public health goals and program strategies for the National Water Program for FY 2011. It includes new sections on children's health, the Urban Waters Initiative, climate change, and the San Francisco Bay Delta Estuary. To view the guidance, visit <http://www.epa.gov/water/waterplan/fy11.html>.

▲ **USAID:** A publication funded by USAID and titled: "**Monitoring Rangeland Health: A Guide for Pastoralist Communities and Other Land Managers in Eastern Africa**" has recently been published. This guide presents simple methods for monitoring changes in land health in rangeland and dryland areas. It is intended to empower land managers, including pastoralist communities, to make sound land management decisions. Monitoring is a critical component of good land management, and improved land management is urgently needed to alleviate poverty and promote biodiversity conservation in drylands around the world. The guide can be downloaded from: http://www.mpala.org/Monitoring_Guide.php or http://usda-ars.nmsu.edu/monit_assess/monitoring.php

▲ **EC Publishes Recommendations on GMO Coexistence**

Details of the principles are available at <http://euroalert.net/en/news.aspx?idn=10126>

▲ ▲ ▲ **New publications from CABI**

- * The Encyclopedia of Applied Animal Behaviour and Welfare
- * Finfish Aquaculture Diversification
- * Coffee Wilt Disease
- * Climate Change and Crop Production
- * Tropical Deltas and Coastal Zones
- * Bread, Beer and the Seeds of Change - Agriculture's Imprint on World History

Contact: e: orders@cabi.org

▲ **Scientists — take action for access to biodiversity**

Click [here](#) for a publication on access to genetic resources and the fair and equitable benefit sharing (ABS) and the implications for academic non-commercial research. Authors: Sylvia Martinez and Susette Biber-Klemm.

▲ **Terms used in bionomenclature**

An updated edition of Terms used in bionomenclature has been compiled by Prof. David Hawksworth. The glossary is available in PDF format and as a web application that supports the development of controlled vocabularies using resolvable identifiers for nomenclatural terms. Click [here](#) for the web application | [More...](#)

▲ **Identifying land snails and slugs in Canada: introduced species and native genera**

Based on the field work of the late F. Wayne Grimm and Robert G. Forsyth's knowledge of the fauna, this book describes and illustrates 56 native genera and 41 alien species now established in Canada. The publication is available in hard copy and on CD. [English](#) | [French](#)

▲ **African Plant Database update: Madagascar data**

The database currently comprises 185,773 names of African plants with their nomenclatural status. The work is a collaboration between the South African National Biodiversity Institute, the Conservatoire et Jardin botaniques de la Ville de Genève, Tela Botanica and the Missouri Botanical Garden. [More...](#)

▲ **Nature IYB Biodiversity Supplement**

As a part of the International Year of Biodiversity, Nature Magazine is presenting, open access, a sub-set of its recent output on biodiversity. [More...](#)

NEWSLETTERS/BROCHURES/BULLETINS/MAGAZINES

▲ **Encyclopedia of Life Newsletter: June 2010**

Click [here](#) to read Newsletter.

▲ **Newsletter on Soil Morphology & Micromorphology**



The most recent Newsletter from Commission 1.1 Soil Morphology & Micromorphology is now available on the IUSS website. This volume of the Newsletter includes a tribute to Dr. Maria Gerasimova, several reports on workshops, spectacular microscopic images, and the winners of the 2010 Young Micromorphologist's Publication Award are announced. Information is provided about a new intensive training course on soil micromorphology and a new book "Interpretation of Micromorphological Features of Soils and Regoliths" will be available August 2010. To learn more, see this and all previous newsletters go to www.loess.umcs.lublin.pl/micro.htm (From IUSS Alert 63)

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▲ **ILEIA e-bulletin**

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For more than 25 years Farming Matters (formerly known as LEISA magazine) has been published by the non-profit AgriCultures Network, with partners in Peru, India, Senegal, Indonesia, Brazil, China, Kenya and the

Netherlands.

Next to the English global edition, seven regional editions provide farmers and practitioners with good practices, nice tips and tricks in order to improve their livelihoods in a sustainable manner. At the moment, the magazines of the AgriCultures Network have more than 300,000 readers in 154 countries.



More information:

- [More about Farming Matters](#)
- [Read some comments and letters from our readers](#)
- [Read the latest E-NEWS letter from ileia and AgriCultures network](#)
- [Have a look at our regional editions and read more about AgriCultures network](#)

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▲ GPA 'Blue Diamonds' Newsletter on Wastewater Management

On behalf of the UNEP Global Programme of Action for the Protection of the Marine Environment from Land-Based Activities (GPA-Marine), Stakeholder Forum is pleased to draw your attention to latest edition of the GPA newsletter.

This edition focuses extensively on wastewater management and contains articles from authors across the globe. The newsletter can be freely downloaded [here](#), and from the GPA website at

http://www.gpa.unep.org/documents/blue_diamonds_july_2010_english.pdf

David Osborn, Coordinator of the GPA, is pleased to introduce this newsletter, which follows on from the report entitled "Sick Water?: The central role of wastewater management in sustainable development", launched by UNEP and UN-HABITAT earlier this year on World Water Day. The question mark in the title of this report emphasises the need to change the way we think about wastewater. The report highlights the urgent need to address wastewater management for both health and environmental reasons and calls for an entirely new dimension of investments in wastewater management. The report, graphics and complementing information material can be freely downloaded at <http://www.grida.no/publications/rr/sickwater/>

If you are interested in contributing to the next issue of the GPA newsletter, which will focus on Nutrients, please contact Nicola Williams at Stakeholder Forum – nwilliams@stakeholderforum.org

▲ PACA Newsletter Issue 14

Wednesday, July 21, 2010 5:44 AM

From: "PACA Information Desk" <info@conserveagri.org>
To: sombatpanit@yahoo.com



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

Dear Colleague,

We take pleasure to inform you that the 14th issue of the PACA Newsletter can be downloaded and read from <http://www.conserveagri.org/paca%20newsletter%20issue%2014.pdf>. We also feel delighted to share with you that our last issue was downloaded by nearly 3,000 readers and this makes the cause we are pursuing a worthy one. Thank you for your enthusiastic support

In this issue we have dealt with the subject of impact of temperature on wheat crop, sharing experiences how CA practices are positively impacting the resultant situation. Another article shares PACA's learnings related to aspects of poor smallholder farmers of rainfed regions. Hill agriculture and natural resource management is assuming increasing importance within PACA's portfolio and the same is reflected through an article on a consultation meet hosted at Almora.

We are also pleased to share with our readers 3 new booklets on soil health that have been uploaded. These are English and Hindi versions of a new release (No. 4) titled, "How Farmers Perceive Soil Degradation"; and the Hindi version of No. 3 titled, "Agricultural

Practices Causing Soil Degradation". These may be downloaded from www.conserveagri.org/content.htm. The newly uploaded content has a {New} marking beside it. We now have 4 booklets ready in 2 languages, English and Hindi, that can be downloaded from the same location.

We are keen to hear from you on your thoughts on the subject. Do write in with your comments and suggestions to help us take our efforts further. Should you feel somebody can benefit from adding to their knowledge on this subject, we would appreciate you forwarding our mail or encouraging them to write to us on info@conserveagri.org for inclusion in our mailing list.

Warm wishes from a wet India,

I.P. Abrol
Centre for Advancement of Sustainable
Agriculture (CASA)

Sanjeev Vasudev
Society for Strategy Technology & Delivery for
Development (SocietySTADD)

1st Floor, NASC Complex, DPS Marg, Pusa, New Delhi - 110 012 INDIA
Tel. : +91-98101-12773 Website: www.conserveagri.org



SOIL Action Newsletter - European Soil Portal:

<http://eusoils.jrc.ec.europa.eu> Volume 19, July 2010

- School Material (Awareness Raising Activities)

Soil "goes" to schools and students. 30 Images designed by students aged from 8 to 14 during the JRC Open Day, 16 May 2009.

The **Education sector of the portal**: By introducing soil science into the school curriculum from an early age it is possible to use 'hands-on' activities to explore and explain basic soil characteristics and functions such as: the different textures soil have – feel tests; what organisms live in soils - microscope work to study soil bugs and animals; soils in the garden - composting and growing plants.

<http://eusoils.jrc.ec.europa.eu/Awareness/School.html>



- Call for Proposals (FP7)

FP7 Cooperation Work Programme 2011 - Environment (including climate change): Climate Change, Pollution and risks, sustainable management of resources, Environmental Technologies, Earth Observation and Assessment tools for sustainable development (deadline: 16/11/2010).

FP7 Cooperation Work Programme 2011 - Food, Agriculture and Fisheries, and Biotechnology (deadline: 25/01/2011). <http://eusoils.jrc.ec.europa.eu/utilities/calls/>



- Public consultation on the review of the Environmental Impact Assessment (EIA)

Online questionnaire is available: : (deadline: 24/09/2010) The objective of this public consultation is to collect opinions on:

- the overall view on the functioning and effectiveness of the EIA Directive,
- the need to amend the EIA Directive,
- the possible policy options for review,
- the areas to be improved / amended.

The internet consultation will assist the European Commission in the decision-making process, together with other sources (e.g. experience of the Commission) when considering options for the review of the EIA Directive. <http://ec.europa.eu/environment/consultations/eia.htm>

- Elementi chimici nei funghi superiori (Chemical elements in fungi)

Interesting Study and data available: Il presente volume comprende indicazione delle località di campionamento dei funghi e dei suoli, I dati analitici (ca 300.000) riguardanti la totalità dei campioni (ca 10.000) di funghi e di suoli analizzati, La statistica descrittiva per tutti i generi e le specie analizzati, Le



mappe che illustrano la distribuzione delle concentrazioni degli elementi inorganici nei funghi.
http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR24415IT.pdf

- 22 New proposed job vacancies

Interesting announcements: A significant number of open vacancies is proposed to candidates.
<http://eusoils.jrc.ec.europa.eu/vacancies/>

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

▲ ACT E NEWSLETTER VOL 1

The first edition of the ACT E-Newsletter Vol 1 has been published. It can be accessed via our website www.act-africa.org on the notice board. (ACT stands for African Conservation Tillage)

Alfred Namu alfred.namu@act-africa.org

ACT Membership Centre

Advertisement

Eijkelkamp Wet sieving apparatus

To determine the aggregate stability of soil, 8 sieves are filled with a certain amount of soil aggregates. These sieves are placed in a can filled with water, which will move up and downward for a fixed time. Unstable aggregates will fall apart and pass through the sieve and are collected in the water-filled can underneath the sieve. The testing procedure results in an index for aggregate stability.

Benefits:

- Determines susceptibility for (splash) erosion
- Works based on simple disturbed samples
- Pre-programmed grain-wash time

[Read more about this subject...](#) and visit www.eijkelkamp.com for more information

(<http://www.eijkelkamp.com/Products/tabid/76/CategoryID/18/List/1/Level/a/ProductID/89/Default.aspx?language=en-US>)



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



Agenda de Eventos e os Últimos Lançamentos de Publicações

Eventos

15/07/2010 - Citros de Mesa - Da Produção à comercialização

22/07/2010 - Workshop Internacional sobre a Crise de Sobrevivência dos Produtores Rurais: Serviços de Clima e Tempo

26/07/2010 - IV Curso de Inverno em Entomologia Agrícola

04/08/2010 - 4º Congresso Interinstitucional de Iniciação Científica

13/08/2010 - Curso Controle de FOOT ROT (Podridão dos Cascos)

18/08/2010 - IV Seminário Ambicana

23/08/2010 - X Curso a Distância: Tópicos da Cultura da Cana de Açúcar

27/08/2010 - III Workshop Nutrição de Suínos

01/09/2010 - 1º Encontro Científico em Produção Animal Sustentável

05/09/2010 - V Congresso Brasileiro de Biometeorologia

21/09/2010 - III Curso de pagamento por serviços ambientais e preservação de nascentes e corpos d'água - Projeto Conservador de Água de Extrema

15/10/2010 - VII Simpósio Interamericano de Biossólidos

19/10/2010 - Curso Extensivo de Produção de Águas e Recuperação de Nascentes

20/10/2010 - 7º Seminário sobre pragas e doenças do feijoeiro

07/11/2010 - XVIII Conference of the International Organization of Citrus Virologists

15/11/2010 - II Workshop Internacional sobre Clima e Recursos Naturais nos países de Língua Portuguesa: Estratégias para o estabelecimento de Serviços de informação climática na CPLP (WSCRA10)

21/11/2010 - SYMBAMPALM - First International Symposium on Genetic Resources of Bamboos and Third International Symposium on Ornamental Palms

22/11/2010 - 17ª Reunião Anual do Instituto de Botânica (Raibt)

23/11/2010 - 2º Simpósio - Experiências em Experiências em Gestão dos Recursos Hídricos por Bacia Hidrográfica

25/05/2011 - III SIBAC - Simpósio Brasileiro de Acarologia

Publicações

Nome: **Manejo de Doenças na Cultura do Milho Safrinha**

Autor: Aildson Pereira Duarte

Valor: R\$ 25,00 + frete

Nome: **Hortaliças e Plantas Medicinais: Manual Prático**

Autor: Paulo Trani

Valor: R\$ 10,00 + frete

Nome: **Planilha para Cálculo do Custo de Produção de Peixes em Tanques-Rede**

Autor: Luiz Marques da Silva Ayroza e Jorge de Matos Casaca

Valor: R\$ 40,00 + frete

Nome: **Manejo Integrado de Plantas Daninha na Cultura da Mandioca**

Autor: Valdemir Antonio Peressin

Valor: R\$ 15,00 + frete

Nome: **Palmeiras Ornamentais Produção & Cultivo**

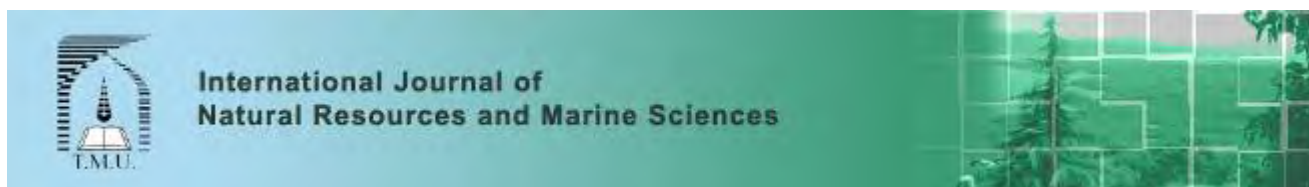
Autor: Roberta Pierry Uzzo

Valor: R\$ 100,00 + frete

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JOURNAL



▲ The “**International Journal of Natural Resources and Marine Sciences, IJNRMS**” is a multidisciplinary peer-reviewed journal that will be published quarterly by **Tarbiat Modares University** (<http://ijnrms.journals.modares.ac.ir/>). IJNRMS is dedicated to increasing the depth of the subject across disciplines with the ultimate aim of expanding knowledge of the subject in all aspects of Natural resources and Marine Sciences.

We invite you, your colleagues and students to submit your manuscript (s) through the journal site for publication. Our objective is to inform authors of the decision on their manuscript (s) within some four months of submission. Following acceptance, a paper will normally be published in the next issue. Instruction for authors and other details are available on our website. **IJNRMS is an Open Access Journal.** IJNRMS is fully committed to the Open Access Initiative and will provide free access to all articles as soon as they are published. IJNRMS will cover all areas of the subject. The journal welcomes the submission of manuscripts that meet the general criteria of significance and scientific excellence, and will publish original articles in basic and applied research, case studies and critical reviews, surveys, opinions, commentaries and essays.

This journal is a new established journal that its publication will start by Oct. 2010 regularly. The Journal is published using an open access publication strategy, meaning that all interested readers are able to freely access the journal online. **Publishing a paper in this journal is free of charge without any page fee.** The journal has a distinguished international editorial board with extensive academic qualifications, ensuring that the journal maintains high scientific standards and has a broad international coverage.

Once a manuscript has been accepted for publication, it will undergo language editing, typesetting, and reference validation by journal editorial office in order to provide the highest publication quality possible.

All other information could be found at <http://ijnrms.journals.modares.ac.ir/>. In case of not getting full access to all information, please do use other internet explorer like Mozilla Firefox.

Editor-in-Chief: Dr. S.H.R. Sadeghi

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▲ ▲ EARTHSCAN JOURNALS



Earthscan's innovative journal addressing the human and policy dimensions of environmental hazards.

Environmental Hazards addresses the full range of hazards events from extreme geological, hydrological, atmospheric and biological events such as earthquakes, floods, and storms.

We are delighted to announce that the journal is now using ScholarOne Manuscripts as its peer review and e-submission site. To submit a paper, please visit <http://mc.manuscriptcentral.com/ehaz>

The second of four issues in 2010 is available today.

[Free Article from Vol.10, Issue 2](#)

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[Hazard vulnerability assessment: How well does nature follow our rules?](#)

[How near is near? The distance perceptions of residents of a nuclear emergency planning zone](#)

[Making sense of natural hazard mitigation: Personal, social and cultural influences](#)

[Invisible institutions in emergencies: Evacuating the remote Indigenous community of Warruwi, Northern Territory Australia, from Cyclone Monica](#)

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The leading international, peer-reviewed journal on responses to climate change.



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[2009 Impact Factor: 1.402](#)
(Journal Citation Reports, Thomson Reuters)

The third of six issues in 2010 is available today.

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[Articles in the third issue](#)

[Sharing the reduction effort to limit global warming to 2°C](#)

[The public consultation to the UK Climate Change Act 2008: a critical analysis](#)

[Dysfunctional delegation: why the design of the CDM's supervisory system is fundamentally flawed](#)

[Stern, climate policy and saving rates](#)

[Economics of climate change: risk and responsibility by world region](#)

[Could Taiwan be included in UNFCCC negotiations?](#)

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MOVIES-VIDEOS

▲ [IIED Presents: 'The Climate Game and the World's Poor' a documentary video](#)

IIED is proud to make available an international edition of the documentary *The Climate Game and the World's Poor*, which shows what happened when 193 governments tried – and failed – to agree a global deal to tackle climate change.

The film follows delegates from some of the countries that are most vulnerable to climate change during last year's COP15 negotiations in Copenhagen. Featuring interviews with senior negotiators and other climate-change experts, the documentary tells the story of what happened when the critical talks began to unravel. The documentary was directed and filmed by Jesper Heldgaard and Bo Illum Jorgensen, and produced and edited by Anders Dencker Christensen.

You can watch it online here: <http://www.iied.org/climate-change/media/climate-game-and-worlds-poor-documentary-film-inside-cop15-climate-change-summi> or here <http://tinyurl.com/35bryve>

▲ [IIED: New Bio-fuels Publication and Web Feature](#)

Biofuels have come to be regarded as an important option for reducing consumption of petroleum, a policy goal resulting from recent high oil prices, energy security concerns, and climate change. In Africa this interest is reflected in the rapid expansion of biofuel markets, increased private and public funding, and support for incorporating biofuels into government policies and development plans. IIED have produced a series of landmark reports showing how various potential threats and opportunities from biofuels expansion are playing

out in reality. [View IIED's on-line Biofuels – Africa focus](http://www.iied.org/sustainable-markets/key-issues/energy/biofuels-africa-focus) - <http://www.iied.org/sustainable-markets/key-issues/energy/biofuels-africa-focus>

▲ **Video on Building Green: A Success Story in Philadelphia**

The U.S. Environmental Protection Agency's (EPA) Office of Wetlands, Oceans and Watersheds (OWOW) is providing this new 11-minute video which highlights green builders in Philadelphia who are utilizing innovative technologies to improve the environment. Builders are capturing rainwater, reducing stormwater runoff and saving energy by utilizing cisterns, green roofs, porous pavers, solar panels, and Energy Star appliances. To view the video, visit <http://www.epa.gov/owow/nps/lid/video.html>

This site also features a 9-minute video entitled "Reduce Runoff: Slow It Down, Spread It Out, Soak It In," that highlights rain gardens, green roofs and rain barrels to help manage stormwater runoff.

▲ **NC State University Stormwater Video**

An educational video entitled "Too Big for Our Ditches" was produced by North Carolina State University's Center for Applied Aquatic Ecology. It explains the impact that stormwater has on North Carolina's coastal plain watersheds. <http://www.ncsu.edu/wq/videos/stormwater%20video/SWvideo.html>

WEBSITES (Mixed subjects)

▲ You should have a look at FAO's GEONETWORK : <http://www.fao.org/geonetwork/srv/en/main.home>
You might find something there. Also don't forget to search for global datasets where you can always pull out the area you are interested in.

▲ **Articles on No-Tillage by Tom Borland in the South African Farmer's Weekly in 1980**

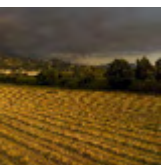
Tom Borland published a series of articles in the Farmer's Weekly (South Africa) in 1980. Three of these articles were distributed in the CA-CoP Alert 10. Tom has kindly made all the articles available for distribution to CA-CoP subscribers. [Borland papers 1-3](#), [Borland papers 4-6](#); [Borland papers 7](#)

▲ **Watershed Monitoring Through Google Earth**

The Clean Watersheds Project is a watershed monitoring project that uses Google Earth Pro to store and share watershed data. The website is used to collect, post, and analyze data about watersheds in an effort to better understand how to maintain and improve them. If you're interested in learning more about the project or by getting your local school involved, visit <http://cleanwatersheds.wikispaces.com/>



▲ [Gulf states move to rebuild tradition of research](#) Huge amounts are being spent on education in an attempt to catch up with the developed world and train youth for diversified economies



▲ [North–South network hopes to boost Mediterranean science](#) The Euro-Mediterranean Science Academic Network has been launched, and hopes to serve as a model of North–South collaboration.



▲ [Arsenic linked with one in five deaths in Bangladesh](#) A fifth of deaths in Bangladesh are caused, or hastened, by long-term exposure to arsenic in drinking water, a study has found.



▲ [AFRICA: International research initiatives launched](#) A number of international initiatives have been launched in Africa recently to develop research and innovation across the continent, and to transform new ideas generated by higher education and research into improved products, processes and businesses. The projects include a technology development and transfer network, a continental research framework programme and a science-to-business challenge.

▲ [Africa between thirst and the abundance of energy sources \(Arabic\)](#)



▲ [U.S. Government Science and Technology Engagement With the Muslim World](#) Progress in Realizing the US President's Vision of Enhanced Science and Technology (S&T) Partnership in the Muslim World.

▲ [EGYPT: University cooperation to ease Nile Basin row](#)

Egypt plans to promote higher education cooperation with seven upstream Nile Basin states in a diplomatic move to strengthen strategic, economic and cultural relations. The aim is to ease tension sparked by a new pact calling for equitable water use, which Egypt perceives as being against its interests.

▲ [1st International Biotechnology Innovation Conference](#)

Date: 21-23 November, 2010 Location: Cairo, Egypt

▲ [Second International Congress of Bioethics](#)

Date: 20-22 November 2010 Location: Tehran, Iran



▲ [Biodiesel production from waste soybean oil biomass](#) Malaysian scientists have produced non-toxic and biodegradable biodiesel from waste/recycled oils to reduce the cost of biodiesel, waste and pollution.



▲ [Scientists harvested bio-oil from cooked algae](#) Heating and squishing microalgae in a pressure-cooker could be the fastest way to turn the algae into a crude bio-oil.



▲ [Due South.....IIED blog on sustainable development in the global South](#) The global recession may be in retreat, but it is still affecting markets round the world. IIED's focus is on poorer countries of the South — which are hardest hit, and which are growing. The insights on offer here are a window on the worldwide paths of sustainable development that reveals how nature, social justice and economic growth are interlinked

▲ [Botswana bushmen lose right to Kalahari water well](#)

San bushmen in Botswana have lost a court case to allow them to re-open a vital waterhole in the centre of the Kalahari desert.

▲ [U.S. Congress Asks USDA Secretary to Allow GM Alfalfa Planting](#)

http://bio.org/news/pressreleases/newsitem.asp?id=2010_0720_01.

▲ [USDA Grants Protection to 19 New Plant Varieties](#)

For details of this article as well as the list of the varieties and their developers, check <http://www.ams.usda.gov/AMSV1.0/ams.fetchTemplateData.do?template=TemplateU&navID=&page=Newsroom&resultType=Details&dDocName=STELPRDC5085694&dID=135492&wf=false&description=USDA+Grants+Protection+to+19+New+Plant+Varieties+&topNav=Newsroom&leftNav=&rightNav1=&rightNav2=>

▲ [World Halal Forum Facilitates Meeting of Ulama and GM Scientists](#)

https://outlook2.irri.org/exchweb/bin/redirect.asp?URL=http://www.worldhalalforum.org/register_report.html

▲ [Dong Nai \(southern Vietnam\) Sets Up Biotech Center](#)

<http://english.vietnamnet.vn/tech/201007/Dong-Nai-aims-high-for-biotech-center-923554/>

▲ [IPM Implementation: Ask the Experts](#)

The news release also presented ENDURE's one year accomplishments from June 2009 to June 2010. To avail of their services, contact Marco Barzman at endure.coord@sophia.inra.fr.

http://www.endure-network.eu/about_endure/all_the_news/ipm_implementation_ask_the_experts

▲ [Plant Pores Give Up Their Secrets](#)

http://cordis.europa.eu/fetch?CALLER=FP6_NEWS&ACTION=D&DOC=8&CAT=NEWS&QUERY=0129fa6e80b0:2830:571d2c39&RCN=32326

▲ **Cotton Pigment Glands Affect Development and Insecticide-Resistance of Cotton Bollworm** Read more at <http://dx.doi.org/10.1016/j.cropro.2010.03.016>.

▲ **Yield Benefit and Fitness Cost of GM Rice Studied**
<http://dx.doi.org/10.1016/j.fcr.2010.05.008>.

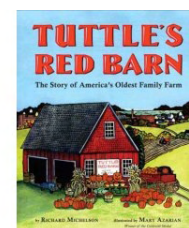
▲ **Overpopulation is the Wrong Focus For Environmentalists**
Read more: <http://www.triplepundit.com/2010/07/un-world-population-day/>



▲ **Dairyland Seed Introduces New Hybrid Alfalfa Line**
See more on this article at <http://www.dairylandseed.com/Default.aspx>

▲ **CFIA Decision: Syngenta GM Corn Event MIR162 Safe for Feed and Environment**
<http://www.inspection.gc.ca/english/plaveg/bio/dd/dd1079e.shtml>

▲ **New Hampshire Farm Closes After 378 Years**
Link to original article: <http://www.triplepundit.com/2010/08/new-hampshire-farm-closes-after-378-years/>
Tuttle's Red Barn website: <http://www.tuttlesredbarn.net/>



BEST MANAGEMENT PRACTICES

▲ **BMP of the Month: Dry Extended Detention Basin**

A dry extended detention basin is an impoundment or depression that temporarily stores stormwater. This commonly used BMP holds and slowly releases stormwater to reduce the peak rate of runoff. Water quality is improved through settlement of suspended solids and through evapotranspiration. Basins that are naturalized also provide wildlife habitat.

To view the Pennsylvania Stormwater Best Management Practices Manual, visit

<http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-8305>



Photo: Naturalized Dry Extended Detention Basin *Photo by F. X. Browne, Inc.*

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

▲ **Monitoring and evaluation (M&E) and impact assessment in conservation and development projects**

The Centre for International Forestry Research (CIFOR) and the Centre for Livelihoods and Ecology (CLE) at Royal Roads University are collaborating in a research project to help develop more effective approaches for monitoring and evaluation (M&E) and impact assessment in conservation and development projects. It is an active area, and there have been many recent developments both in theory and in practice. New approaches emphasize learning objectives over accountability objectives, consider both conservation and livelihoods and utilize broader definitions of poverty. New methods incorporate qualitative and quantitative data, more inclusive sets of indicators, stakeholder participation and better elaborated logic models, among other innovations. However, even though the literature is growing, we expect that there are many practical experiences and lessons learned that have not been well documented. We would like to know more about current practice for M&E and impact assessment as applied by conservation and development organizations.

On 1 September 2010 we will launch a survey using “SurveyMonkey”, as one component of this work. The survey will have two main purposes. First, we would like to get an overall sense of what approaches and methods are being used, whether there are preferred approaches and methods used by particular types of organizations, and to what degree organizations are using standardized and comparable approaches (as opposed to ad hoc approaches). Secondly, we hope to learn about new and promising tools that may be under development or have been tested in the field.

We are still developing the questionnaire and we would like to get feedback and advice from experts in the field.

We would be grateful if you could review the questionnaire and provide comments and suggestions on the overall design and individual questions. A draft version is available here (<http://cle.royalroads.ca/node/230>). Also, we would appreciate recommendations of individuals (and contact information) who are working at conservation and/or development organizations who we could approach to complete the survey. If you are interested and willing to participate in the survey yourself, please reply to have your name added to the survey list.

Jenny Sigalet

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Royal Roads University

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Tel: 250.391.2600 ext. 4348; fax: 250.391.2563 www.royalroads.ca/cle

Ed. – WASWAC has published a book with the Science Publishers (www.scipub.net), Inc. in 2007, under the title “Monitoring and Evaluation of Soil Conservation and Watershed Development Projects”, edited by Jan de Graaff et al. We recommend researchers of this project to learn about various methods used for monitoring and evaluating some 25 case studies in this book.

▲ InfoSpring provides online Q&A forum for development practitioners and country forums for information sharing

InfoSpring is the Development Practitioners Forum’s online Q&A tool for development practitioners who work in the integrated fields of sustainable agriculture, food security, climate change, and natural resource management. It allows users to organize around a problem-solving process that feeds knowledge from those who possess it to those who need it. The forum is currently asking professionals in these fields to register, join the discussion, and add to the knowledge base. To register, click [here](#).

To complement InfoSpring, the Forum is piloting an off-line initiative called the ‘Country Chapter’ project, which looks to develop peer-to-peer channels in locations limited by poor telecommunications infrastructure. Country chapters are locally managed groups that facilitate knowledge sharing among local practitioners, harnessing SMS and other appropriate technologies to support physical meet-ups. For more information on any Development Practitioner Forum activities, please click [here](#).



▲ [10 Cases of Appropriate Technology](#) The goal of Appropriate Technology (AT) is to increase the standard of living for the developing world without condescension, complication, or environmental damage. Typical AT inventions are more labor intensive, require fewer resources, and use low cost or readily available materials wherever possible. Special attention is paid to the social, cultural, and ethical aspects of the communities the technology is intended for. Here are 10 inventions using these principles, and they are every bit as ingenious as anything coming out of Silicon Valley. You will also find several links to charitable organizations distributing these products for little or no cost, should you wish to contribute to their efforts.

▲ I recommend you to visit this site: <http://gisweb.ciat.cgiar.org/dapablogs> there you will find some info regarding GIS+climate change+agriculture, methods and examples. You could also find some data contacts of people who are currently working on this area.

▲ World List of Seed Sources: FAO plant materials search engine

By Rick Burnette

Director, ECHO Asia Regional Office

The ECHO Asia Regional Office regularly receives inquiries concerning sources of crop seeds and seedlings. While pleased to assist regional partners in locating plant materials, we would also like to recommend the [WORLD LIST of SEED SOURCES](#), a free on-line search engine offered by the Plant Production and Protection Division (AGP) under the Food and Agriculture Organization of the United Nations.

The search engine lists over 200 countries and territories and more than 350 crops of practically every description (including forest species, medicinal and industrial crops, and the soil inoculant Rhizobium). The site is a good place to start with regard to locating potential sources of plant materials.

For example, if you are curious about the availability of soybean seed in Mongolia, you can begin your search by clicking on the following web link,

<http://www.fao.org/scripts/wlss/query/wlsscroe.idc?function=form>.

The resulting page contains two boxes where you can select the country of interest and the desired crop. By selecting "Mongolia" and "soybean," a second page offers the following result:
[SHIM Research and Production Co. Ltd.](#)

For "Thailand" and "pigeon pea" the result is:

Chia Tai Agricultural Promotion Co.
299-301 Songsawad Road Bangkok
Phone: 233-8191
Fax: (662) 237-1540
Telex: 82015 CHIATAI TH, THAILAND

As I experimented with this search engine, I was not able to locate a Thai source of sunn hemp or sources for a few other reasonable crop/country combinations. But overall, my experimentation with the search engine has yielded a considerable amount of useful information about regional sources of plant materials.

▲ The maturing agricultural watershed service payment schemes in the US

As the US celebrates the anniversary of its independence and its 234th birthday, it is enduring the most traumatic ecological catastrophe in its history as well as political paralysis on the highest profile environmental issue of the day, climate change. While it may seem that all US environmental news is bad, there may be some glimmers of hope on the horizon for Agricultural PES. It is not clear how incentives for climate change mitigation will play out for farmers and ranchers in the US, but in the meantime, quietly, institutions are developing that would create incentives for sustainable land management through payments for watershed services.

The [State of Watershed Payments](#) report from the Ecosystem Marketplace found that payment for watershed services in the US reached \$1.35 billion in 2008. This is primarily from federal Farm Bill conservation payments and local efforts to protect the quality and quantity of drinking water supplies. Most of this money is going to farmers and ranchers to implement water-friendly conservation practices on their land.

▲ African soil profile data wanted!



Soil profile data are needed for producing digital soil maps of Sub Sahara Africa. The Africa Soil Information Service (AfsIS) project is producing digital soil maps, predicting soil property values, and uncertainty, for 2.2 billion grid cells applying approaches and standards that are compliant with the [GlobalSoilMap.net](#) initiative. The principal outcome of the project will be a Globally integrated Africa Soil Information Service, serving soil information that permits underpinning of policy- and decision making, and monitoring, at local, national and global scales. ISRIC - World Soil Information is collecting and compiling existing soil profile data, from any source, and the global soil science community is invited to contribute with soil data. The data are captured and harmonized under a common standard. If you can contribute data holdings, either digital datasets or paper reports, please contact: johan.leenaars@wur.nl (From IUSS Alert 63)

CALL FOR PAPERS

▲ **Call for papers: Environmental Conservation** is producing a themed issue on **“Payment for Ecosystem Services in Conservation: Performance and Prospects”**. The purpose of this issue is to strengthen the evidence-base through a collection of papers addressing diverse aspects of the performance of payments for ecosystem services in environmental conservation. Papers may take the form of case studies of individual schemes, comparative studies, or thematic or geographical reviews. The editors will prioritize strong empirical studies. Only original and unpublished high-quality research papers are considered and manuscripts must be in English. **The submission deadline is 31st October 2010.** Instructions for Authors can be found at: <http://journals.cambridge.org/action/displayMoreInfo?jid=ENC&type=ifc>

▲ [Call for PAPERS for IUCN Forest Conservation Programme \(FCP\)](#)

Call for papers - Arborvitae - November 2010 special issue on forestry and gender. Arborvitae is the official newsletter of the IUCN Forest Conservation Programme (FCP).

INTERESTING QUOTES

Be like the flower - turn your face to the sun. - *Kahlil Gibran*

"We do not inherit the Earth from our Ancestors; we borrow it from our Children." - *Native American proverb*

Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution. – *Albert Einstein*

LET'S SING A SONG – Auld Lang Syne, written by Robert Burns in 1788

Auld Lang Syne A piano-based melody of the famous tune. Calm and casual, laid back and graceful. "Auld Lang Syne" is a Scottish poem written by Robert Burns in 1788 and set to the tune of a traditional folk song (Roud # 6294). It is well known in many English-speaking countries and is often sung to celebrate the start of the new year at the stroke of midnight at the start of New Year's Day.



The song's Scots title may be translated into English literally as "old long since", or more idiomatically, "long long ago" or "days gone by". The phrase "Auld Lang Syne" is also used in similar poems by Robert Ayton (1570–1638), Allan Ramsay (1686–1757), and James Watson (1711) as well as older folk songs predating Burns. Matthew Fitt uses the phrase "In the days of auld lang syne" as the equivalent of "Once upon a time. . ." in his retelling of fairy tales in the Scots language. Source: [Wiki](#)
CLICK <http://www.youtube.com/watch?v=STqDowSbSTQ&feature=related> (bagpipe)
<http://www.youtube.com/watch?v=acxnmaVTIZA&feature=related> (with relics)
<http://www.youtube.com/watch?v=OtTp0XIcFtI> (piano)
<http://www.youtube.com/watch?v=aLAAHsIohxg&feature=related> (violin by Andre Rieu et al.)
<http://www.youtube.com/watch?v=JgY-eI7145o&feature=related> (sung by Declan Galbraith)

Should auld acquaintance be forgot,
and never brought to mind?
Should auld acquaintance be forgot,
and auld lang syne?

And there's a hand, my trusty fiere!
And gives a hand o' thine!
And we'll tak a right guid-willie-waught,
for auld lang syne. CHORUS

CHORUS: For auld lang syne, my dear, for
auld lang syne,
we'll take a cup o' kindness yet, for auld lang
syne.

And surely ye'll be your pint-stoup!
And surely I'll be mine!
And we'll tak a cup o' kindness yet,
for auld lang syne. CHORUS

We twa hae run about the braes,
and pou'd the gowans fine;
But we've wander'd mony a weary fit,
sin' auld lang syne. CHORUS

We twa hae paidl'd in the burn,
frae morning sun till dine ;
But seas between us braid hae roar'd
sin' auld lang syne. CHORUS

ANOTHER VERSION

Should auld acquaintance be forgot
and never brought to mind?
Should auld acquaintance be forgot
and days of auld lang syne?
For auld lang syne, my dear,
for auld lang syne,
we'll take a cup of kindness yet,
for auld lang syne.

Should auld acquaintance be forgot
and never brought to mind?
Should auld acquaintance be forgot
and days of auld lang syne?
And here's a hand, my trusty friend
And gie's a hand o' thine
We'll tak' a cup o' kindness yet
For auld lang syne

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





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"Siberian organics" group is pleased to perform a range of products, made on a base of unique non-polluting natural raw material - peat and sapropel.

This raw material is extracted from fresh-water lakes of Omsk region, situated in the southern part of West Siberian valley. Its total area is 140.000 sq. km.

Natural resources of the region are closely associated with the history of relief forming and represented by hundreds of peat, sapropel, clay and rare soils depositions. Geological exploration of Omsk region continues, but its natural recourses allow to establish mutually advantageous collaboration with Russian and overseas partners just now.

We guarantee that our product is non-polluting and non-hazard. One of the principal aspects of "Siberian organics" group's activity is product quality control. Our specialists in laboratories as well as independent experts constantly test quality of the product. Searching for better results we use modern technologies, high-tech equipment and skilled specialists at every stage of production. The main aspect of our commercial approach is connection with our customers. No matter where they are we assure high-quality of product and services, acceptable prices, in-time delivery.

We try to reach the point when information about our company will be inherited by one content customer to another, proving their right choice.

Environment protection became one of the main tasks for the humanity. Boosting economic growth we must wisely use natural resources for the welfare of future generations. This is philosophy of "Siberian organics" group development.

With all respect,
Alexander Tretyakov
The President

About Products

Production of the ecologically pure goods from sapropel became possible thanks to the national developments and scientific researches carried out jointly by the Russian Academy of Sciences Siberian Department Borekov Catalysis Institute Omsk branch, Russian Academy of the Agricultural Sciences Siberian Poultry Researches and Developments Institute. Medicine Veterinary Institute attached to the Omsk State Agrarian University as well as thanks to the lab, experimental and industrial tests

The developed technologies allow extract from sapropel a number of the following products:

1. Organomineral raw material - [sapropel](#). It contains macro- and microelements, amino acids, proteins, vitamins and natural stimulant of the growth and development of the animals
2. High quality [fertilizers based on sapropel](#) may be applied for all kind of the soils and plants. It improves the soil mechanical structure and its aeration. At jointly application with the mineral fertilizers it decreases heavy metals harmfulness threshold
3. [Sapropel extract](#) is biologically active preparation for the inner and external application for the treatment of the chronic inflammatory diseases of animals and stirring up the protective strength of the weakened organism. Sapropel extract injected into the animal dam reduces the barrenness (service) period
4. [Fodder sapropel](#) addition is valuable fodder addition for the animals and poultry containing collection of the special biologically active substances which raise the productivity of the pigs, cattle and poultry as well as their resistance against various diseases
5. [Sibisorbent-1](#), It is sorbent to liquidate spilt oil and oil products from the water surface. It is included into the catalogue of the Russian sorbents
6. [Carbon sorbent](#) is a sorbent for the purification of the water from the dissolved organic substances and oil products. It pertains to the new category of the ecological pure sorbents
7. [Sapropel tar](#) is received jointly with Russian Academy of Sciences Siberian Department Borekov Catalysis Institute Omsk branch, Sapropel tar practically by all the qualitative indices used in medicine, cosmetology and veterinary excels national and imported birch bark tar

Scientific and Production closely held joint-stock company "Vega-2000 - Sibirskaya organika" has licence for the sapropel extraction, owns extraction equipment and has high skilled personnel.

Contact:

Russia

Vega - 2000 - Siberian Organics Company

Address: Koroleva Prospekt, 26 Omsk - 644012, Russia

Phone/Fax: +7 381 2 775-510; +7 381 2 775-575; **E-mail:** sapropel@siborganics.com, sapropel@pochta.ru

United Arabian Emirates

Branch office

Address: Defence road, Abu Dhabi, UAE

Business Development Manager - UAE

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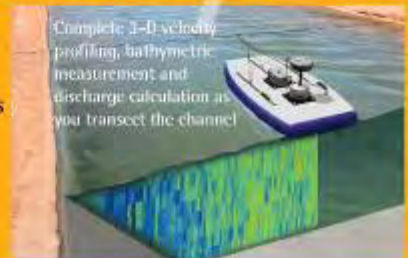
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GOOD NEWS San Diego, CA, June 20, 2010: The American Recovery and Reinvestment Act of 2009 earmarked \$14.6 million to the U.S. Geological Survey for upgrades to its 7,500-station national streamgauge network, and in direct response, has purchased \$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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INFORMATION ABOUT MEMBERSHIP IN WASWAC & HOW TO SEND MONEY

1. Individual membership: US\$5/yr for developing countries; US\$10 for developed countries and persons working in international organizations worldwide. We, however, at present offer 1-year membership at no cost – see the next line.
SPECIAL: Anyone can obtain a 1-year free membership by sending e-mail to sombatpanit@yahoo.com.
INCENTIVE RATE: Payment of the fee for 4 years at the same time will enable the membership to be valid for 5 years – WE ENCOURAGE YOU TO PAY THIS RATE! In Thailand, members are asked to pay 700 Thai Baht for a 5-year membership or 2,800 Thai Baht for Life membership.
2. Life membership: US\$80 for developing countries; US\$160 for developed countries and persons working in international organizations worldwide. **NEW from March 4, 2010: Persons who have already passed their 60th birthday are required to pay only half of these 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.
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- 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 before deciding to join as OM or OS if desired.
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You may ask sombatpanit@yahoo.com about your membership status, i.e. up to what year you have paid. Then you may send your membership fee to either John Laflen or me or any other address in the following list:

a. Dr. John M. Laflen, Treasurer, 5784 hwy 9, Buffalo Center, IA 50424 U.S.A. Phone: +1-641-561-2324. Fax: +1-641-584-2265 Attn: J.M. Laflen. laflen@wctatel.net. He can receive money from US and Canadian members through Personal Check, Money Order, or Bank Draft (payable to WASWAC), and can receive VISA and MasterCard credit cards and Bank Draft (payable to WASWAC) from all over the world. For sending money through a bank, please give the following information to your bank:

- Foreign wires: United Bankers Bank, 1650 West 82nd Street, Bloomington, MN 55431, U.S.A. Routing number 091 001 322; Swift Code UBBKUS41; for benefit of First National Bank of Volga; account number 091 402 552; further credit World Soil #703-488.

- Domestic wires: United Bankers Bank, 1650 West 82nd Street, Bloomington, MN 55431, Routing number 091 001 322; for benefit of First National Bank of Volga; account number 091 402 552; further credit World Soil #703-488.

b. Dr. Samran Sombatpanit, WASWAC Immediate Past President, 67/141 Amonphant 9, Soi Sena 1, Bangkok 10230, Thailand. Phone/Fax: +66-25703641, 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".
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3. For sending money by wire/bank transfer or check please add US\$6 per transaction to compensate for the charge at the receiving bank in Bangkok. This additional charge is NOT applicable for the payment of membership fee(s) of US\$50 or more.

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OTHER ADDRESSES TO SEND THE MONEY TO WASWAC

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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 Deputy 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.waswc.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

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

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