

WASWAC HOT NEWS 2010 (08 Part B) AUGUST 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

REUSE

RECYCLE

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



PLEASE CONSIDER THE ENVIRONMENT BEFORE YOU PRINT THIS HOT NEWS



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President's Note:

Voting for the President of WASWAC for the period 2011-13

Regarding confirmation of the nominated persons for the President of WASWAC for the period 2011-13 we have three proposed persons for this important role (in chronosequence of expression of intention): **Li Rui** (China), **Habibi Bibalani** (Iran) and **Suraj Bhan** (India). In the democratic point of view of running process of the election for the President of WASWAC **I kindly ask all members, except Guest members, of WASWAC to vote**. If you are not sure about your status, please check with Samran Sombatpanit at sombatpanit@yahoo.com and samran_sombatpanit@yahoo.com. You can vote for only one person that you think suitable to make our association run further to enable our natural resources to be well taken care of as the Vision and Mission of the WASWAC indicate.

A short introduction of Presidential nominees:

- **Prof Li Rui (China):** Has been a Vice President of WASWAC since 2002 and a Councilor of WASWAC Council.

- **Dr Habibi Bibalani (Iran):** A Guest member of WASWAC since July 2008. He has organized the first international conference on Soil and Roots Engineering Relationship at Ardebil, Iran in May 2010.

- **Dr Suraj Bhan (India):** President of the Soil Conservation Society of India at present and a councilor of WASWAC Council.

Please send your vote up to **midnight of October 9th Central European time** so that we can endorse the winner to the post of President of WASWAC for 2011-13 at the LANDCON Conference in Xi'an (October 11-15, 2011). Please send your vote to both e-mail addresses of mine [President Miodrag Zlatic (miodrag.zla@sbb.rs, miodrag.zlatic@sfb.rs)] and to both of immediate past president Samran Sombatpanit's e-mail addresses (sombatpanit@yahoo.com, samran_sombatpanit@yahoo.com). Both of us will monitor and compare notes to assure that the final result is accurate.

Prof. Miodrag Zlatic, D.Sc.

President of the World Association of Soil and Water Conservation

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FOLLOWING IS THE NOTE THAT WAS SENT OUT WITH THE HOT NEWS FOR AUGUST 2010 PART A TWO WEEKS AGO.

President's Note: Searching for the President of WASWAC for the period 2011-13

WASWAC has a period of three years for each council. During the past 27 years the WASWAC has been practicing in seeking a person to head the council and the association as the WASWAC President by asking its members to nominate persons who are willing to run the association in the next three years and invite all members to vote. The process used to take place during the third quarter of the last year of each 3-year period, and it is now time for that.

I therefore would like to invite nominations for persons who are willing to run the association during the period of 2011-13. Self-nomination is also welcome. In either case there should be a reasonable number of persons who second such nomination(s). We allow two weeks (until September 28) for the nomination to proceed and will get the outcome from that for the voting. Voting, which will be done by all members except Guest members, will last until Friday, October 8, 2010. The result from that will be tabled at the First WASWAC Council Meeting at the LANDCON 1010 Meeting at Xi'an, China during the period October 11-15, with subsequent announcement of the result.

However, it is a pleasing experience for us during this Transition Year when we are establishing the WASWAC Secretariat in Beijing, China, that we have got one prominent person who voiced his willingness to head the WASWAC in the next three years. That is Prof Li Rui of the Institute of Soil and Water Conservation at Yangling, Shaanxi Province of China. Prof Li Rui has been a Vice President of WASWAC since 2002 and also a Councilor since the council of 2005-07.

We therefore announce this nomination of WASWAC President for 2011-13 open and you can nominate someone you think he or she can run the association to a good progress or you can nominate yourself. When the time comes we would get a suitable person to make our global association run further to enable our natural resources to be well taken care of as the Vision and Mission of the WASWAC indicate.

Note: Due to the extra time needed to sum up the number of nominees for the Presidential post, the deadline of voting has been postponed to October 9, 2010, one day longer than previously announced.

The Editor's Note: Before we arrived at this point today & LANDCON 1010 in Xi'an

Dear members, friends and colleagues,

Time really flies! Since I took over the presidency from David Sanders in January 2002, it is almost 9 years counting to today. During this relatively long period, I was **president** for 3 years, **immediate past president** for 3 months, **acting president** for 15 month, again **immediate past president** for 1.5 years and 3 years, respectively, during the two terms of President Miodrag Zlatic. I believe I am due to change my status to be a **past president** for good within less than 3 months from now. I am really looking forward to it!

It began in 2002 when we learned of the financial situation of WASWC at our secretariat at Ankeny, Iowa, USA that what we earned from the membership was about equal to the money we had to pay for their service. That meant the WASWC Councilors and many Vice Presidents did not have any money to work with. We took a quick move by contacting our Chinese colleagues to consider hosting our secretariat.



A talk with responsible persons in the soil and water conservation circle of China during the 12th ISCO conference in Beijing in May 2002 led to the subsequent move of our Secretariat from America to Asia, with an office located at the **International Center for Research and Training in Seabuckthorn (ICRTS)** that belongs to the Department of Soil and Water Conservation, Ministry of Water Resources in Beijing. Like a trial-and-error process, the secretariat had moved to another office, called **Monitoring Center for Soil and Water Conservation (MCSWC)** and now has moved to its present location at the **International Research and Training Center on Erosion and Sedimentation (IRTCES)** (*lower building at left*), which is a joint development program between the Chinese government and UNESCO.

With its international work experience of IRTCES, especially its handling of another association of related nature, the **World Association of Sedimentation and Erosion Research (WASER)**, we are sure our present home will provide all the support that we need. The work during these several years has in fact been shared between the office in China and our WASWAC interim office in Bangkok, Thailand.

From April 2003 that our secretariat had moved from USA to China, besides not having to pay any fee, the Chinese authorities have been cooperating with us well in several work programs, including the publication of the *No-Till Farming Systems* and *SWAT books*.

The next move of our Chinese colleagues is to search and mobilize funds to support many activities of WASWAC, so that it will be able to distribute the bulk of knowledge and implementation approaches in soil and water conservation to all corners of developing world where such need is the most intense. The setting up of WASWAC secretariat from the beginning up to now – though taking several years – is the result from the harmonious working atmosphere among many academics and professionals in China. We therefore look forward to seeing that they will accomplish in getting the secretariat function fully and effectively within the next few years and enabling the WASWAC to stand at the forefront of the agencies that are responsible for the management and care of the world's natural resources. Truly, we are at a stage of building and stabilizing our house, which we fortunately have got a substantial and friendly support from such a large country like China.



The above illustration shows how our association took a long road from America via Thailand to settle down in China, from 2002-2010.

From the time of my last visit to Beijing in June this year, officers at IRTCES have been rearranging their building to accommodate a new section to operate the work of WASWAC and recruiting more personnel to handle its workload. At the same time various Chinese authorities/ institutions that deal with soil and water sciences are working hard to finalize the meeting program of the **LANDCON 1010 Conference on Combating Land Degradation in Agricultural Areas**. Now they are ready to receive over 200 participants that will attend the meeting from Oct 11-15 in their historic city of Xi'an in the central part of the country – indeed an old capital city and the crossroads of so many events in past thousands of years. The resort hotel where the conference will take place is shown in the next page.

From the latest report, the conference program will run roughly as follows:

Day 1 (Oct 11). Arrival of participants and registration. In the evening, councilors will meet with Vice Minister Prof. Liu Ning of the Ministry of Water Resources and the latter will host a dinner for them.

Day 2 (Oct 12). Opening Session, Plenary Session and followed with concurrent sessions in 5-6 rooms. Council meeting will take place late in the afternoon and will discuss many issues of concern. Names of awardees for Norman Hudson Memorial Award, Distinguished Researcher Award and Special Award will be announced during banquet that evening.

Day 3 (Oct 13). Morning: Concurrent sessions in various themes; Afternoon: Excursion to visit the Institute of Soil and Water Conservation in Yangling, 85 km W of Xi'an, also in Shaanxi Province. The Institute of Soil and Water Conservation is a major organizer of this conference.

Day 4 (Oct 14). Morning: Concurrent sessions in various themes; Afternoon: Plenary Session, Reading of Conclusions-Recommendations, and Closing.

Day 5 (Oct 15). Excursion to visit sights of interest in and around Xi'an, with agricultural, geographical and cultural topics. A group of participants will take their post-conference excursion to Guangzhou (in the southern part, the Southern Gateway of China) in the evening where they will stay for three days as guests of the Guangdong Institute of Eco-Environmental and Soil Sciences where they will see several soil conservation works (both conventional and modern) in largely non-agricultural areas.

We therefore wish you who will make it to Xi'an this time good luck. Following information may be useful for your trip:



The conference hotel in Xi'an (picture at right):

Its name: Paradise Resort Xi'an or Qujiang Xian Hui Yuan Bin

Guesthouse and Chinese characters at left; URL:

http://www.87663333.com/php/en_index.php.

Phone: +86-29-88888888/ 86-29-87663333 Fax: 86-29-87663388



I myself will arrive in Xi'an in the evening of Oct 10.

BULLETIN BOARD

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

Newsletter issue 25(4) for October-December 2009 is posted on our website <http://waswac.soil.gd.cn>. Versions in various languages will be soon available. Issues starting from 2010 have been renamed '**WASWAC Bulletin.**'
The first 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.conservaioninformation.org/index.asp?site=1&action=products&deptID=1&dept=All+Products>. Members in all other countries may contact their country representatives or write to sombatpanit@yahoo.com.

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

Both Special Publications of WASWAC (**No-Till Farming Systems & SWAT**) are now available from the **WASWAC Secretariat** located at the International Research and Training Center on Erosion and Sedimentation (IRTCES) in Beijing, to facilitate our Chinese readers. **LANDCON e-LIBRARY (SP5)** will be available from January 2011 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 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 sells them at low prices to serve people that belong to every economy level.

JOBS-cum-scholarships

▲ **Institute of Soil and Water Conservation**, CAS wants to invite 2 foreign experts (Professor and associate professor, no age limited) with CAS VISITING PROFESSORSHIP and 1-2 International Young Researchers (under 35, and PhD). The duration is 1 year, and the salary would be from CAS and ISWC, CAS.

If you want to have a special study in China and in the Loess Plateau please contact me.

Please transfer this email to your friends who might be interested in these positions.

Dr Fei Wang (王飞) wafe@ms.iswc.ac.cn

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AWARDS/PRIZES/FUNDS/FELLOWSHIPS/SCHOLARSHIPS

▲ NUS - NGS Scholarship

NUS Graduate School for Integrative Sciences and Engineering (NGS) welcomes students from around the globe. Students are encouraged not only to integrate different areas of research, but to learn to integrate and interact with people from all backgrounds. Hosting students from over 15 different countries enables NGS to gather some of the best minds in the world, regardless of international borders.

International students may apply to NGS under the NGS Scholarship (NGSS). Once in Singapore, International Students can take full advantage of the NUS Office of Student Affairs' International Student Services as well as join clubs, such as the NGS Scholars' Alliance, to make new friends.

NGS Scholarship is awarded to talented students with an aptitude for innovative

Readmore: <http://cambodiajobs.blogspot.com/2010/08/nus-ngs-scholarship.html>

▲ WFI Fellowships

The modern world is a challenging place for foresters. Trends an ocean away can impact local forest management, and foresters find that in this age of globalization, their role as land stewards has evolved from specialist to generalist, from purely local to international. Decisions must be weighed socially, economically and environmentally. WORLD FOREST INSTITUTE (WFI)'s programs and conferences offer a unique and exciting opportunity for forestry professionals to gain the broader perspectives, connections and skill set demanded by this era of change. Our International Fellowship program offers professionals a six to twelve month sabbatical to network with US forestry professionals and to learn from, and exchange ideas on a wide variety of forestry issues. Our conferences bring investors, businesses, conservationists, scientists and land owners together to discuss the rapidly evolving arena of forestland ownership and the impact of those shifts

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

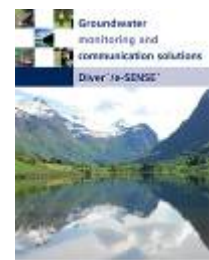
Advertisement

Water quality monitoring: Diver and e-SENSE

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

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

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



PEOPLE

Featured Speaker - Alex Zimmerman

Alex Zimmerman, CPESC, CISEC, CESSWI will be teaching two courses at EC11 of IECA to be held at **Disney's Coronado Springs Resort in Orlando, Florida, USA this coming February.**

Advanced Inspection and Construction Site Sampling & Turbidity Reduction. Alex brings more than 15 years of large scale construction experience to erosion and sediment control training. From large disturbance, linear and single family construction to restoration and emergency landslide repair, his experiences add to informative trainings on real world compliance issues for construction site operators, inspectors and designers. Alex has been recognized by associations and agencies for his professional course preparation and delivery. Awarded IECA's Educational Achievement Award for 2009, Alex continues to keep up to date and present the latest information. Course participants learn how to control costs, prevent erosion, protect water quality and comply with permit requirements in an positive, proactive, profitable manner. More details on Alex's courses and many others will be available soon!



Alex Zimmerman

PHOTOS

▲ August 5, 2010 | [21 comments](#)

A Visual History of Science, from the Pages of *Scientific American*

[Slide Show] This month, we turn 165 years old! To celebrate, we document the march of progress as seen through the magazine, from 1845 to today By [Mary Karmelek](#) and [Jamie Feigenbaum](#)



[Slide Show: A Visual History of Science, from the Pages of Scientific American](#)

Rufus Porter distributed the first issue of his *Scientific American* with a prospectus touting the periodical as being for “those who delight in the development of those beauties of Nature, which consists in the laws of Mechanics, Chemistry, and other branches of Natural Philosophy.” He promised a paper that would instruct while it amused its reader. An eccentric character, Porter was an avid inventor who viewed scientific knowledge as a way of increasing one’s practical knowledge, and, subsequently, one’s social class. *Scientific American* published its first weekly issue on August 28, 1845, (the magazine went monthly in 1921) and established itself as the “advocate of industry and enterprise.”

Over the past 165 years of continuous publication, *Scientific American* has maintained its commitment to bringing the delights of scientific knowledge to its readers, keeping them informed about cutting-edge innovations and technologies. [View the 165th anniversary slide show](#)

TRAINING WORKSHOP

2011 ECHO Asia/Partners Thailand Tropical Agriculture Workshop

January 19-21, 2011

7:45 AM - 5:00 PM

The [ECHO Asia Regional Office](#) and [Partners Thailand](#) will co-host a three-day workshop to be held at the Partner's farm on the outskirts of Chiang Mai. Divided into six half-day sessions, the Tropical Agriculture Workshop will offer 20 participants a chance to engage in hands on practice related to:

- Moringa (*Moringa oleifera*) propagation, production and processing of products.
- Basic fruit tree grafting and propagation.
- Soap making for development.
- Natural farming for pig and compost production
- Backyard mushroom production.
- Introduction to vermiculture (to be held at Mae Jo University).

Workshop Cost

- **3200 Thai baht (about US\$110)**, includes:
 - three days of training, including six morning and afternoon sessions
 - lunch and transportation between the ECHO Asia office and Partners Farm/Mae Jo University

- **Or 700 Thai baht per workshop session *(about US\$24)**

**Those not participating in the entire day's event must handle their own transportation to/from Partners Farm/Mae Jo University*

Note: If the event is overbooked, preference will be given to those interested in attending the entire workshop (six sessions).

- Workshop participants will be responsible for their own lodging and non-workshop related meals and transportation.
- Please note that this workshop will be held during Chiang Mai's high season for tourism. It is recommended that participants register and make their own lodging reservations as soon as possible prior to January.

Workshop Registration

To inquire and register for the Tropical Agriculture Workshop, contact the ECHO Asia Regional Office at echoasia@echonet.org. **Registration deadline: December 1, 2010**

Workshop Sessions

January 19

Moringa (*Moringa oleifera*) propagation, production and processing of products - The Partners Thailand team will introduce participants to the basics of establishing and managing plantings of moringa trees for the mass production of leaf shoots. Additionally, participants will be able to engage in key steps related to harvesting and processing moringa leaf shoots for the production of leaf powder to be used to supplement food rations and overall nutrition.

Basic fruit tree grafting and propagation - Betsy Langford, a previous ECHO intern with recent international development experience, and Boonsong Thansrithong of Partners will lead participants through the basics of fruit tree grafting and propagation. Techniques will include the production of root stock as well as making grafts. Propagation by air layering as well as stem cuttings will also be covered.

January 20

Soap Making for Development - Experienced soap maker, Marv Kahn (Partners Thailand), will introduce the basics of home soap production for possible application in community development work. Various types of soap

making techniques and materials will be introduced. Products will include not only simple soap for basic sanitation and hygiene but also valued-added soaps made from botanical materials.

Natural farming for pig and compost production - Partners Thailand and ECHO Asia staff will introduce participants to various natural farming techniques including the use of natural bedding (e.g. rice husks, leaves) for pigs which can be later used as natural fertilizer. The production of low-cost fermented livestock feed, made from local materials such as banana stalk, molasses and rice bran will also be covered.

January 21

Backyard mushroom production - Covering the basics of backyard mushroom production, Partners Thailand staff member, Sombat Chalermliamthong, will lead participants through key steps in raising straw mushrooms (*Volvariella volvaceae*) using both baskets and frame beds. Mushroom production issues such as seasonal management, sources of spawn, production site preparation and problem solving will also be discussed.

Introduction to vermiculture at Mae Jo University - Dr. Arnat Tancho and coworkers will offer an introduction to Thai-style earthworm production at the Mae Jo University vermiculture facility. The workshop will include an introduction to indigenous types of earthworms and an overview of various approaches related to small- and large-scale production of vermicompost and vermicompost-tea.

Resource persons

Marv Khan - Partners Thailand,
Boonsong Thansrithong - Partners Thailand
Sombat Chalermliamthong - Partners Thailand
Rick Burnette - ECHO Asia Regional Office
Betsy Langford SAIWAM (Chiang Mai University)
Dr. Arnat Tancho - Mae Jo University

COURSES

▲ IPBO Postgraduate Course on Biosafety at Ghent

The Institute of Plant Biotechnology for Developing Countries (IPBO) in Ghent, Belgium is organizing a distance learning postgraduate course "Biosafety in Plant Biotechnology" at Ghent University for the 5th consecutive academic year. This international e-learning course is organized in cooperation with UNIDO and aims to train scientists and law specialists in biosafety expertise and evaluation both at governmental and industrial levels. The course combines distance learning with on campus training at Ghent University and offers a solid basis to set up and implement regulatory biosafety frameworks related to plant biotechnology, and to assist in the legislation and interpretation of biosafety risk assessment, risk management and communication to policy makers or the public. Check out the information on the website at

<http://www.ugent.be/we/genetics/ipbo/en/education/postgraduate.htm/overview.htm>

Advertisement Water quality monitoring: Diver and e-SENSE

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

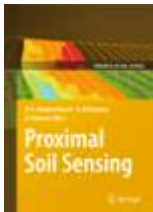


NEW INFORMATION SOURCES

BOOKS



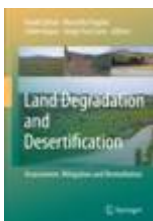
Digital Soil Mapping - Bridging Research, Environmental Application, and Operation. Progress in Soil Science, Vol. 2. Edited by: Boettinger, J.L.; Howell, D.W.; Moore, A.C.; Hartemink, A.E.; Kienast-Brown, S. Springer, 2010, 473 p. Hardcover. ISBN: 978-90-481-8862-8. Digital Soil Mapping is the creation and the population of a geographically referenced soil database. It is generated at a given resolution by using field and laboratory observation methods coupled with environmental data through quantitative relationships. Digital soil mapping is advancing on different fronts at different rates all across the world. This book presents the state-of-the-art and explores strategies for bridging research, production, and environmental application of digital soil mapping. It includes examples from North America, South America, Europe, Asia, and Australia. The chapters address the following topics: - exploring new environmental covariates and sampling schemes - using integrated sensors to infer soil properties or status - innovative inference systems predicting soil classes, properties, and estimating their uncertainties - using digital soil mapping and techniques for soil assessment and environmental application - evaluating and using legacy soil data - protocol and capacity building for making digital soil mapping operational around the globe. (From IUSS Alert 64)



Proximal Soil Sensing. Progress in Soil Science, Vol. 1. Edited by: Viscarra Rossel, Raphael A.; McBratney, Alex B.; Minasny, Budiman. Springer, 2010, 468 p. Hardcover. ISBN: 978-90-481-8858-1. This book reports on developments in Proximal Soil Sensing (PSS) and high resolution digital soil mapping. PSS has become a multidisciplinary area of study that aims to develop field-based techniques for collecting information on the soil from close by, or within, the soil. Amongst others, PSS involves the use of optical, geophysical, electrochemical, mathematical and statistical methods. This volume, suitable for undergraduate course material and postgraduate research, brings together ideas and examples from those developing and using proximal sensors and high resolution digital soil maps for applications such as precision agriculture, soil contamination, archaeology, peri-urban design and high land-value applications, where there is a particular need for high spatial resolution information. The book in particular covers soil sensor sampling, proximal soil sensor development and use, sensor calibrations, prediction methods for large data sets, applications of proximal soil sensing, and high-resolution digital soil mapping. (From IUSS Alert 64)



Nitrogen Assimilation in Plants. Takuji Ohyama and Kuni Sueyoshi (Editors). ISBN: 978-81-308-0406-4. Hardcover, 378 pages. Research Signpost, July 2010 US\$ 165. In 20th century, the increase in crop production supported the world population mainly by the use of chemical nitrogen fertilizers. However, the production of nitrogen fertilizer requires a large amount of fossil fuels, and the excess or inappropriate use of chemical nitrogen fertilizers caused environmental problems such as nitrate accumulation in ground water, eutrophication of lakes, rivers, and oceans, as well as emissions of global warming gases. This book includes "Chapter 1: Nitrogen Nutrition in Plants and its Availability from Soil", "Chapter 2: Nitrogen Absorption in Plants", "Chapter 3: Nitrate Reduction", "Chapter 4: Nitrogen Fixation", and Chapter 5: Nitrogen Metabolism and Assimilation in Plants". This book will provide many aspects of nitrogen assimilation in plants, including biochemistry, metabolism, transport, and crop physiology. (From IUSS Alert 64)



Land Degradation and Desertification: Assessment, Mitigation and Remediation. Pandi Zdruli, Marcello Pagliai, Selim Kapur, and Angel Faz Cano (Eds.). Springer, 2010. 490 pp. ISBN: 978-90-481-8656-3. Price: \$179.00. This book reports research results in sustainable land management and land degradation status and mitigation in 36 countries around the world. It includes background papers with continental and international perspectives dealing with land degradation and desertification studies. It assembles various topics of interest for a large audience. They include carbon sequestration and stocks, modern techniques to trace the trends of land degradation, traditional and modern approaches of resource-base conservation, soil fertility management, reforestation, rangeland rehabilitation, land use planning, GIS techniques in desertification risk cartography, participatory ecosystem management, policy analyses and possible plans for action. Various climatic domains in Africa, Asia, Europe and The Americas are covered. The book will be of interest to a variety of environmental scientists, agronomists, national and international policy makers and a number of organizations dealing with sustainable management of natural resources. More on <http://springer.com/978-90-481-8656-3> (From IUSS Alert 64)

REPORTS

▲ **ASA, CSSA, and SSSA Release GHG Report**

Agriculture's Role in Greenhouse Gas Emissions and Capture, commissioned by the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, examines the evidence for greenhouse gas (GHG) emissions and sequestration in America's major agroecosystems. The report summarizes current knowledge of carbon dioxide, nitrous oxide and methane emissions and capture across six regions—Northeast, Southeast, Corn Belt, Northern Great Plains, Southern Great Plains, and Pacific—as influenced by cropping system, tillage, and soil management. The report also outlines conservation agricultural systems and practices including: no-till, reduced tillage, cover crops, leguminous green manures, and nutrient-use efficiency—that, when adopted, will result in increased capture and reduced emissions of these GHGs. Additionally, critical knowledge gaps for research are identified. The full report can be viewed online at: <https://www.agronomy.org/files/science-policy/ghg-report-august-2010.pdf> <<https://www.agronomy.org/files/science-policy/ghg-report-august-2010.pdf>>.

▲ **Studying the Delaware River – 2009 Report (NJ DEP)**

A report has been released that details the 2009 seine survey of the Delaware River. This survey has been conducted for 30 consecutive years. The report details data collected about the populations of juvenile fish to evaluate their abundance and success. This information also helps to predict population trends and future harvest potential. For more information and to view the report, visit <http://www.state.nj.us/dep/fgw/artdelstudy10.htm>

▲ **Sediment and Nutrient Loads from Stream Corridor Erosion Along Breached Millponds**

This report finds that stream corridor erosion from breached millpond reservoirs is a substantial source of suspended sediments and nutrients. Also, stream bank erosion is linked to a series of land use activities from as much as several centuries ago, which transformed valley bottom landscapes. The mid-Atlantic region of the eastern US has many small streams that contain tens of thousands of mills, forges, and industries for hydropower. *By Dorothy Merritts, Robert Walter, and Michael A. Rahnis, Franklin and Marshall College, May 1, 2010* <http://edisk.fandm.edu/michael.rahnis/outgoing/DEP/>

▲ **U.S. Forest Service Release Report, *Water, Climate Change, and Forests: Watershed Stewardship for a Changing Climate***

This new report shows that forests are critical in protecting watersheds from the impacts of climate change. The research shows that ecosystems with healthy watersheds with forested areas can better sustain changes. The report explains the pressures on forests and the importance of collaboration among forest managers. To view the report, visit http://www.fs.fed.us/pnw/pubs/pnw_gtr812.pdf

▲ **Dear PCLG member,**

The PCLG, with support from the Arcus foundation, has recently prepared two reports that explore the linkages between great apes conservation and poverty alleviation. Details of these reports can be found at the bottom at this email.

These reports are available for free to all PCLG members. If you would like to receive your free copy of these reports, please complete the excel file attached with your contact details and send it back to us (pclg@iied.org). We will keep your contact details on our records for future mail-outs, so you will not need to send us this information again.

NOTE: If you have already sent us your contact details during the past year you do not need to complete the excel file attached. Just reply to this email to let us know if you would like a copy of either one or both reports.

PCLG Secretariat

Title: "Development and Gorillas? Assessing fifteen years of integrated conservation and development in south-western Uganda"

Authors: Tom Blomley, Agrippinah Namara, Alastair McNeilage, Phil Franks, Helga Rainer, Andrew Donaldson, Rob Malpas, William Olupot, Julia Baker, Chris Sandbrook, Robert Bitariho, Mark Infield

Abstract: Uganda's Bwindi Impenetrable National Park and Mgahinga Gorilla National Park are globally important biodiversity areas due to their populations of highly endangered Mountain Gorillas. But that means

little to some people living beside them. After the Parks were created in 1991, conflict and resistance from the surrounding communities seriously threatened the ability of the protected area authority to manage the parks. In response, a range of "integrated conservation and development" (ICD) strategies have been applied in and around Bwindi and Mgahinga supported by the government and a number of national and international NGOs. ICD is a strategy used in many countries for linking the conservation of biodiversity with local economic development. It rests on the assumptions that a) linking local people to a resource, and helping generate a steady stream of benefits from its management, increases their willingness to manage and protect that resource over the long term; and, b) the provision of alternative sources of livelihood will reduce dependence on resources within a protected area. This report tests those assumptions, and compares strategies through which development interventions have achieved conservation effect. The report concludes that many of the ICD interventions have achieved successes, in large part due to the practical link that the beneficiaries have been able to make between conservation and development, but often in different ways to that which was originally envisaged. But it is also clear that greater positive impacts for poorer households are needed if both conservation and development outcomes are to be maximised.

Title: "Linking Conservation and Poverty Alleviation: The case of Great Apes"

Authors: Chris Sandbrook and Dilys Roe

Abstract: The purpose of this report is to document current efforts to link great ape conservation and poverty reduction in the African, ape range states. It is intended to provide a quick inventory of which organisations are working in which countries and using which approaches in order to highlight potential areas of collaboration and/or potential sources of experience and lessons learned. It is also intended to highlight other initiatives that are intended to link environmental management with social concerns - poverty reduction, governance, economic development - with a view to encouraging greater linkages between these initiatives and those that are focussed on conservation. Available for download at: http://povertyandconservation.info/docs/20100808-Linking_Ape_Conservation_and_Poverty_Alleviation.pdf

▲ **T-AGG Releases Draft Literature Review: Greenhouse Gas Mitigation Potential of Agricultural Land Management Activities in the U.S.**

The Working Group on Agricultural Greenhouse Gases has released a draft literature review that will serve as an appendix to the upcoming T-AGG reports (U.S. Overview, Soil Carbon Management, and Nitrous Oxide Emission Reduction). It is an extensive scientific literature review providing a side-by-side comparison of the biophysical greenhouse gas (GHG) mitigation potential of more than 40 agricultural land management activities in the U.S. The review focuses on empirical results from field studies using existing syntheses, new research, and modeled estimates to determine the GHG mitigation potential and non-target GHG impacts on a per hectare basis and nationally.

Comments and additional literature for this review can be sent to Alison.eagle@duke.edu. The report is attached as a pdf document. The Nicholas Institute is currently launching a new website and the pdf can also be accessed at the following link, but we apologize for any errors that may occur in accessing the document during this transition phase: <http://www.nicholasinstitute.duke.edu/institute/ecosystem/land/TAGGDLitRevDraft>

T-AGG, Nicholas Institute for Environmental Policy Solutions
Duke University, Box 90335, Durham, NC 27708-0335
Tel: +1-919-613-8749; Email: T-AGGteam@nicholas.duke.edu
Website: <http://www.nicholasinstitute.duke.edu/institute/ecosystem/t-agg>

▲ **The Role of Trust Building in the Development of Biosafety Regulations in Kenya**

The Role of Trust Building in the Development of Biosafety Regulations in Kenya authored by Justin Mabeya and others was recently published by the McLaughlin Rotman Center. The 16 page report describes the challenges and importance of trust among the stakeholders in the development and implementation of biosafety regulations in Kenya. The report also provides a set of guidelines that could help other African countries to improve stakeholder trust in developing biosafety regulations.

The report is freely downloadable at <http://www.lead-journal.org/content/10216.pdf>

▲ **USDA GAIN Report: France**

A six-page report on biotechnology in France published by the U.S. Department of Agriculture is available online. The GAIN report notes that restrictive measures on plant biotech dossiers, a national ban on MON810 (Bt maize) cultivation, and the recent destruction of its only biotech open field experiment are signs that France, through the National Institute of Agronomic Research (INRA), might have to forgo future research.

Download the report

at http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Is%20Plant%20Biotech%20Becoming%20More%20Acceptable%20for%20French%20Authorities_Paris_France_8-11-2010.pdf

▲ **USDA Gain Report: EU**

The European Union's status on *Biotechnology: GE Plants and Animals* has been released by the U.S. Department of Agriculture Foreign Agricultural Service. The 33-page report noted that the EU remains a major importer and consumer of biotech products particularly soybean and corn for animal feed and human food. The EU food chain supply may weaken due to European authorities "absence of tolerance" of biotech events approved and commercially grown outside the EU but not approved in the EU.

For the full report visit http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Biotechnology%20-%20GE%20Plants%20and%20Animals_Paris_EU-27_7-23-2010.pdf

HANDBOOKS, MANUALS, GUIDELINES

▲ **Conservation Tools Website**

This new website, provided by the PA Land Trust Association, provides resources on current issues affecting land trusts, watershed groups, and municipal officials. Tools are provided for topics including use ordinances & development standards, acquisition of land & easements, financing conservation, landowner incentives, stewardship, and more. <http://conservationtools.org/>

▲ **Discovery Watershed Initiative**

The Penn State Cooperative Extension hosts this webpage that provides tools for reducing nutrients and sediments in Pennsylvania's watersheds. The goal is to provide tools that will help communities to reduce pollutant loads, improve water quality, remove stream impairments and enhance communication. The Watershed Evaluation Tool calculates estimated potential impacts of urbanization on water quality in Pennsylvania. The USGS StreamStats Tool provides streamflow statistics and drainage-basin characteristics for locations found on their interactive map. The website features the successes of Pennsylvania's showcase watershed, the Conowago Watershed. It also provides resources and expertise from different agencies, links to data on stream monitoring and mapping. <http://extension.psu.edu/water/discovery-watersheds>

You can also subscribe to an online newsletter, Watershed Winds by visiting <http://extension.psu.edu/water/discovery-watersheds/newsletter>.

▲ **Merged Bedrock, Groundwater Data Now Available From PA DCNR**

The Department of Conservation and Natural Resources (PA DCNR) has released a merger of their digital bedrock geology data set and selected water well and groundwater data. This digital aquifer characteristics data set combines the data set Digital Bedrock Geology of Pennsylvania and the Water Resource Report 69, Hydrogeologic and Well-Construction Characteristics of the Rocks of Pennsylvania by Gary M. Fleeger, Thomas A. McElroy, and Michael E. Moore from 2004 and provides selected water-well construction and groundwater statistics for 23 bedrock geologic units. http://www.dcnr.state.pa.us/topogeo/groundwater/dac_data.aspx

▲ **EPA – New Guide for Improving Stormwater Management**

The U.S. Environmental Protection Agency (EPA) released a new guide for improving urban stormwater permits in the Chesapeake Bay watershed and the mid-Atlantic Region. The guide was issued under President Obama's Executive Order for Protecting and Restoring the Chesapeake Bay Watershed. The guide calls for enhancing consistency and effectiveness for municipal storm sewer system permits, states to submit plans and schedules by September 15, a plan for enhancing field presence and compliance, and determining if unregulated sources should be required to obtain permits.

EPA News Release, August 3, 2010

<http://yosemite.epa.gov/opa/admpress.nsf/d0cf6618525a9efb85257359003fb69d/ef888fe823f2411785257774006ff8d8!OpenDocument>

To view the executive order, visit

<http://executiveorder.chesapeakebay.net/>

For more information on stormwater management, visit

<http://cfpub.epa.gov/npdes/stormwater/munic.cfm>

▲ **National Low Impact Development (LID) Atlas Version 2**

The newest version of this atlas is a user friendly resource for adding and locating LID projects around the U.S. <http://clear.uconn.edu/tools/lidmap/>

▲ **Integrated Environmental Modeling (iemHUB) Website – EPA**

The U.S. Environmental Protection Agency (EPA) has launched this new on-line tool for environmental researchers to analyze environmental problems and combine environmental models. The tool was released by the EPA-supported Community of Practice for Integrated Environmental Modeling (CIEM). <http://iemhub.org/>

▲ **Coastal Landscaping Website**

The Massachusetts Office of Coastal Zone Management hosts this website that provides information on the benefits of coastal landscaping, techniques, tips, and sample landscape plans for a coastal bank, coastal bank with an existing seawall and a coastal dune.

http://www.mass.gov/czm/coastal_landscaping/index.htm

▲ **USGS Water Resources**

- The **USGS Pennsylvania Water Science Center** studies the occurrence, quantity, quality, distribution and movement of surface and underground waters throughout Pennsylvania. The information is available through the following databases and software: <http://pa.water.usgs.gov/>
- **StreamStats** is a Geographic Information System (GIS) that provides streamflow and drainage-basin characteristics. <http://water.usgs.gov/osw/streamstats/pennsylvania.html>
- The **National Water Information System Mapper** provides water quantity and quality data and mapping from surface and groundwater sites in Pennsylvania. <http://wdr.water.usgs.gov/nwisgmap/?state=pa>
- **WaterWatch** shows the locations of over 300 long-term USGS streamgages in Pennsylvania, with maps and information on streamflow conditions. <http://waterwatch.usgs.gov/?m=real&w=gmap®ions=pa>
- **WaterQualityWatch** provides real-time water quality monitor data and real-time streamflow data. <http://waterwatch.usgs.gov/wqwatch/map?state=pa&pcode=00010>
- **Groundwater Watch** contains records for approximately 34,999 wells in Pennsylvania. http://groundwaterwatch.usgs.gov/googlemaps/PA_gm.html
- **Groundwater Recharge** provides maps and table with information on groundwater recharge rates for 197 watersheds in Pennsylvania. http://pa.water.usgs.gov/recharge/state_map.html

Please see a self-explanatory message from M.L. Jat who is a Cropping Systems Agronomist with CIMMYT based in New Delhi, regarding a publication on Resource Conserving Technologies in South Asia: Frequently Asked Questions.

<http://www.knowledgebank.irri.org/csisa/images/FactsheetsAndReferences/csisa%20faq%20bulletin.pdf>

▲ **Pocket K 38 on Biotech Wheat Now Available**

Pocket K 38 on [Biotech Wheat](#) is now available for download at

<http://www.isaaa.org/resources/publications/pocketk/38/default.asp> It contains an easy to read account of the development of herbicide tolerant, pest resistant, salt tolerant, biofortified, and drought tolerant wheat which are made possible through genetic engineering.

[Pocket Ks](#) are Pockets of Knowledge, packaged information on crop biotechnology products and related issues produced by the [Global Knowledge Center on Crop Biotechnology](#) of [ISAAA](#). They are easy to understand style and packaged in a format that is easily shared, understood and distributed.

▲ **ISAAA's Booklet on Agricultural Biotechnology (A Lot More than Just GM Crops)**

A new booklet on [Agricultural Biotechnology \(A Lot More than Just GM Crops\)](#) is now available and downloadable at the ISAAA website. The booklet discusses in detail and in simple language agricultural

biotechnology as it compares with conventional breeding, the agricultural biotechnology tools used in crops such as tissue culture and micropropagation, molecular breeding and marker-assisted selection, and genetic engineering and GM crops. A section on Answers to Frequently Asked Questions for food safety and environmental issues was also included to clarify important public concerns.

Download the [Agricultural Biotechnology \(A Lot More than Just GM Crops\)](http://www.isaaa.org/resources/publications/agricultural_biotechnology/download/default.asp) booklet at http://www.isaaa.org/resources/publications/agricultural_biotechnology/download/default.asp

NEWSLETTERS/BROCHURES/BULLETINS/MAGAZINES

▲ BioFuel for Thought

Newsletter of the Roundtable on Sustainable Biofuels

Please Contact Jaap-Jan Lammers jaap-jan.lammers@epfl.ch

▲ To the Friends of the Southwest Watershed Research Center:
The SWRC Bulletin (swrc.bulletin@ars.usda.gov) for Summer 2010 is available now online at:
<http://www.ars.usda.gov/News/News.htm?modecode=53-42-45-00>

Mark Nearing
Research Leader
USDA-ARS Southwest Watershed Research Center
2000 E Allen Rd., Tucson, AZ 85719
(520) 670-6481 ext. 152

▲ <http://www.facebook.com/home.php?#!/worldwatchag?ref=nf>

Nourishing the Planet



Signup for our weekly newsletter to keep up to date with stories of hope and success as we report from the ground in sub-Saharan Africa, evaluating environmentally sustainable innovations in agriculture.

JOURNAL

▲ **The Journal of Maps** (<http://www.journalofmaps.com>) is pleased to announce the publication of a double-issue. The first is a special issue entitled "National Social Maps", edited by Dr Dan Vickers, University of Sheffield. The second is our regular "scheduled" August issue comprised of a range of maps.



▲ Journal of Carbon Management

At the forefront of carbon management, environmental policy and climate change

We are pleased to announce that *Carbon Management* issue 1 is now available!

Following on from the success of newly launched journal ***Biofuels*** in January 2010, ***Carbon Management*** represents the next step in what is set to be an

exciting series of environmental titles. This peer-reviewed journal is devoted to the rapid publication of topical commentary and analysis in carbon management research.

Carbon Management provides a forum for all stakeholders in the carbon sector, featuring review articles, original research, commentaries, policy updates, news and much more, with a view to establishing an international framework of carbon management research and communication.

Carbon Management reflects *Future Science's* commitment to establishing a range of leading titles in key areas of environmental research.

Coverage includes:

- Natural cycles, sinks and sources of carbon
- Greenhouse gases in relation to terrestrial, aquatic, marine and atmospheric environments
- Impacts of anthropogenic activities, such as transport, energy, the built environment, and food, on greenhouse gas emissions
- Management processes to measure, assess and mitigate associated carbon emissions at all scales, from country level through to industry, business and individual
- Policy initiatives to regulate, finance, incentivise and account for carbon emissions' reductions
- Adaptation measures to address the impacts of climate change

Register for your FREE trial

If you would like to be one of the first to discover this exciting new journal, we are offering free one-month trials to the launch issue. Registering for your trial is easy, simply email us at info@future-science.com and quote the code: **CMTLPG10** and we will send you your access details for the launch issue in September.

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Do you work in the field of Irrigation? Then you should see the new theme brochure on Irrigation Management that Eijkelkamp Agrisearch Equipment recently published. It shows you all sorts of research equipment for this purpose. For more information please visit www.eijkelkamp.com.

[Download the Eijkelkamp Irrigation Management brochure here](http://www.eijkelkamp.com/Portals/2/Eijkelkamp/Files/P050e%20Research%20equipment%20for%20irrigation%20management.pdf)

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



WEBSITES (Mixed subjects)

▲ Eldis Agriculture and Food Security News

<http://community.eldis.org/.59b76127/>

▲ [alhambra granada](#) öçen räsem näticälär & www.alhambradegranada.org/en/

There are several dozens of photos from Alhambra, Granada in these two urls. We recommend our members who go to attend the Global Salinity Forum at Valencia University, Valencia, Spain in the last week of October. This meeting is organized by Dr Jorge Batlle, WASWAC Vice President for Spain, with support from FAO.

▲ Ghana Should Embrace Biotech Says SABIMA Coordinator

See the original article at <http://www.ghanaweb.com/GhanaHomePage/NewsArchive/artikel.php?ID=189187>

▲ New Maize Disease Threatens Food Security of Africa

For more information, visit <http://www.scidev.net/en/news/maize-disease-threatens-to-devastate-east-africa.html>.

▲ USDA and DOE Release Grants to Breed Better Bioenergy Plants

Read the USDA press release at

<http://www.usda.gov/wps/portal/usda/usdahome?contentidonly=true&contentid=2010/09/0440.xml>.

▲ Chinese Scientists Complete Genome Framework Map of Common Wild Rice

Read the original article at http://www.kib.ac.cn/jgsz/kyxt/xnsw/zxdt/201008/t20100823_2930825.html

▲ University of the Philippines Readies Borer-Free Eggplant

For related information regarding this article, visit University of the Philippines Newsletter at

<http://www.up.edu.ph/upnewsletter.php?issue=66&i=1209>. To learn more about the Bt eggplant project in the Philippines, visit <http://isaaa.org/programs/supportprojects/abspii/research/default.asp>. For more news updates on biotechnology, visit the SEARCA Biotechnology Information Center website at <http://www.bic.searca.org/>, or e-mail bic@agri.searca.org.

▲ Launch of European Project DROPS - Development of Drought Tolerant Plants

The original news article in French can be viewed at

http://www.inra.fr/presse/lancement_du_projet_europeen_drops_2010_2015.

▲ Detection and Identification of Rice Cultivars in Wheat/Rice Bread through PCR

For more details, read the complete article at <http://dx.doi.org/10.1016/j.jcs.2010.02.012>.

▲ Researchers Discover Novel Mechanism Protecting Plants Against Freezing

Visit http://news.msu.edu/story/8220/&topic_id=2 for the rest of the story.

▲ Monsanto's Bt Roundup Ready 2 Yield Soybeans Approved for Planting in Brazil

Read Monsanto's press release at <http://monsanto.mediaroom.com/index.php?s=43&item=875>;

<http://www.croplife.com/news/?storyid=2812>.

▲ US Court Revokes Approval of GM Sugar Beets

The original news can be seen at <http://www.gmo-compass.org/eng/news/531.docu.html>

▲ USDA Grants Protection to 17 New Plant Varieties

For details, see the news at <http://www.ams.usda.gov/AMSV1.0/ams.fetchTemplateData.do?template=TemplateU&navID=&page=Newsroom&resultType=Details&dDocName=STELPRDC5086236&dID=136869&wf=false&description=USDA+Grants+Protection+to+17+New+Plant+Varieties+&topNav=Newsroom&leftNav=&rightNav1=&rightNav2=>

▲ Plants Give Up Some Deep Secrets of Drought Resistance

See details of the story at <http://www.news.wisc.edu/18317>

▲ China Told to Develop its Own GM Food

For details on the article, see http://english.cas.cn/Ne/CN/201008/t20100823_57770.shtml

▲ <http://twitter.com/thequote>

▲ **Info about Google** <http://computerschool.org/computers/google/>

▲ How to burn body fats

<http://www.truthaboutabs.com/men-get-lean-abs.html>

▲ New WRB homepage at FAO

The World Reference Base for Soil Resources / WRB (the soil correlation system of the IUSS) has a new homepage at the FAO site: www.fao.org/nr/land/soils/soil/en/ It informs about all publications based on the second edition of WRB (2006). Especially important are: 1. the latest revised version (first update 2007), 2. the translations (up till now: Arabic, Spanish, German, Polish, Russian), 3. the newsletters, 4. the “Guidelines for constructing small-scale map legends using the WRB”. Originally designed for classifying pedons, with these Guidelines WRB can also be used for map legends (at least for scales 1:250,000 and smaller). (From IUSS Alert 64)



▲ <http://www.criticalpast.com/>

Welcome to CriticalPast. View more than 57,000 historic videos and 7 million photos for FREE in one of the world's largest collections of royalty-free archival stock footage. Offering immediate downloads in more than 10 formats starting at just \$2.97 (Consumer); \$40 (Pro).

▲ <http://www.zum.de/whkmla/histatlas/seasia/haxseasia.html>

Southeast Asia history in map forms

▲ <http://effortlessenglishclub.com/7rules>

Effortless English Newsletter “**FREE VIDEO NEWSLETTER** Shows You 7 Secrets To Speaking English Easily & Automatically”

▲ Twitter: an introduction (for UTS Teach & Learning Committee)

<http://www.slideshare.net/malbooth/twitter-an-introduction-for-uts-teach-learning-committee>

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



BEST MANAGEMENT PRACTICES



BMP of the Month:

Special Detention Areas - Parking Lot, Rooftop

Special Detention Areas are areas that have a primary use but are designed to temporarily detain stormwater for peak rate control. Impervious surfaces such as parking lots and rooftops are typically used, because they can be retrofitted to temporarily store stormwater

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

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

▲ Hot in climate research?

The 2009 United Nations Summit on Climate Change, which attracted more than 100 world leaders, is only one recent manifestation of the growing international concern over human impact on climate. The political and economic implications of the topic, of course, are vast. *Science Watch* confines itself to assessing the body of research. To examine highly cited research on climate change over the last decade, *Science Watch* turned to a special extraction of Thomson Reuters-indexed literature, based on such keywords as "global warming," "climate change," "human impact," and other pertinent terms, in journal articles published and cited between 1999 and the spring of 2009. This search produced upwards of 28,000 papers. From this set, *Science Watch* identified the most-cited institutions, authors, and journals. Read the full article and analysis [here](#) (From IUSS Alert 64)

CALL FOR PAPERS

▲ Call for Papers: SSSAJ 75th Anniversary

Next year will mark SSSA's 75th anniversary and Volume 75 of the Soil Science Society of America Journal (SSSAJ). In 2011, we plan to publish special papers, including historical perspectives, reviews of current topics, or forward-looking opinions on the future of soil science. Send topic suggestions or volunteer a paper for consideration to SSSAJ Editor David Myrold, david.myrold@oregonstate.edu (From IUSS Alert 64)

INTERESTING QUOTES

"Life is really simple, but we insist on making it complicated." - Confucius

"Impossible is not a fact. It's an opinion." - Muhammad Ali

"Tell me and I forget. Teach me and I remember. Involve me and I learn." - Benjamin Franklin

"Our best successes often come after our greatest disappointments." Henry Ward Beecher

"Start small and dream big." Robert T. Kiyosaki

"The hardest thing in the world to understand is the income tax." ~ Albert Einstein

"An investment in knowledge always pays the best interest." ~ Benjamin Franklin

"It's not the amount of time you put into your business but the quality of time that counts." ~ Hilton Johnson

"You were born to win, but to be a winner you must plan to win, prepare to win, and expect to win." ~ Zig Ziglar

"Women need to feel loved and men need to feel needed." ~ Rita Mae Brown

"If it's a good idea, go ahead and do it. It's much easier to apologize than it is to get permission." ~ Grace Murray Hopper

"We are what we repeatedly do. Excellence, then, is not an act but a habit." ~ Aristotle

"I do not know the key to success, but the key to failure is trying to please everybody." ~ Bill Cosby

"It is a fine thing to have ability, but the ability to discover ability in others is the true test." ~ Elbert Hubbard

"We are all here on earth to help others; what on earth the others are here for I don't know." ~ W. H. Auden

"Without some goal and some effort to reach it, no one can live." ~ Fyodor Dostoyevsky

"Life is too short not to make the best and the most of everything that comes your way every day." ~ Sasha Azevedo

"Count your blessing today as there are many others who are not so fortunate." ~ @dougleschan

"There will come a time when you believe everything is finished. That will be the beginning." ~ Louis L'Amour

"Always bear in mind that your own resolution to succeed is more important than any other." ~ Abraham Lincoln

"Men are like steel. When they lose their temper, they lose their worth." ~ Chuck Norris

"Wise men learn when they can; fools learn when they must." ~ Arthur Wellesley

"It is not the rank or the role we have that matters, it is what we give." ~ Queen Rania of Jordan

LET'S SING A SONG (OR TWO)

– Unchained Melody (an all-time favorite love song)

<http://www.youtube.com/watch?v=NO1pTi00p2M&feature=related> Elvis Presley

http://www.youtube.com/watch?v=-giH9a0cxa4&feature=grec_index John Garry

<http://www.youtube.com/watch?v=UsrY440-jpA&feature=related> Tom Jones

<http://www.youtube.com/watch?v=UskkwKmcGU&feature=related> The Platters

http://www.youtube.com/watch?v=HrxDb8s_yqE&feature=related The Supremes

<http://www.youtube.com/watch?v=t-idDbIfGvw&feature=related> Righteous Brothers with lyrics

Oh, my love
my darling
I've hungered for your touch
a long lonely time
and time goes by so slowly
and time can do so much
are you still mine?
I need your love
I need your love
Godspeed your love to me



Lonely rivers flow to the sea,
to the sea
to the open arms of the sea
lonely rivers sigh 'wait for me, wait for me'
I'll be coming home wait for me

Oh, my love
my darling
I've hungered for your touch
a long lonely time
and time goes by so slowly
and time can do so much
are you still mine?
I need your love
I need your love
Godspeed your love to me

- Earth Song

By Michael Jackson – with Lyrics

<http://www.youtube.com/watch?v=UdWUhMTlw0M&feature=related>

<http://www.youtube.com/watch?v=KY8BMMjN8zg> Michael Jackson

<http://www.youtube.com/watch?v=dQAGrjzElgQ> with Carmen Monarcha
(soprano) and Andre Rieu Orchestra, Maastricht, Holland, July 2009



What about sunrise
What about rain
What about all the things
That you said we were to gain.
What about killing fields
Is there a time
What about all the things
That you said was yours and mine.
Did you ever stop to notice
All the blood we've shed before
Did you ever stop to notice
The crying Earth the weeping shores?

Aaaaaaaaaah Aaaaaaaaaah

What have we done to the world
Look what we've done
What about all the peace
That you pledge your only son...
What about flowering fields
Is there a time
What about all the dreams
That you said was yours and mine...
Did you ever stop to notice
All the children dead from war
Did you ever stop to notice
The crying Earth the weeping shores

Aaaaaaaaaah Aaaaaaaaaah

I used to dream
I used to glance beyond the stars

Now I don't know where we are
Although I know we've drifted far

Aaaaaaaaaah Aaaaaaaaaah
Aaaaaaaaaah Aaaaaaaaaah

Hey, what about yesterday
(What about us)
What about the seas
(What about us)
The heavens are falling down
(What about us)
I can't even breathe
(What about us)
What about the bleeding Earth
(What about us)
Can't we feel its wounds
(What about us)
What about nature's worth
(ooo,ooo)
It's our planet's womb
(What about us)
What about animals
(What about it)
We've turned kingdoms to dust
(What about us)
What about elephants
(What about us)
Have we lost their trust
(What about us)
What about crying whales
(What about us)
We're ravaging the seas
(What about us)
What about forest trails
(ooo, ooo)
Burnt despite our pleas
(What about us)
What about the holy land
(What about it)
Torn apart by creed
(What about us)
What about the common man
(What about us)
Can't we set him free
(What about us)
What about children dying
(What about us)
Can't you hear them cry
(What about us)
Where did we go wrong
(ooo, ooo)
Someone tell me why
(What about us)
What about babies
(What about it)
What about the days
(What about us)

What about all their joy
(What about us)
What about the man
(What about us)
What about the crying man
(What about us)
What about Abraham
(What was us)
What about death again
(ooo, ooo)
Do we give a damn

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Dear friends,

"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 Boreskov 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 Boreskov 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

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Branch office

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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.**
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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:

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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”. IMPORTANT NOTES: 1. DO NOT write the word ‘WASWAC’ in your remittance document, as it will cause a problem, since this is an alternative account that supplements the official one (a, as above). 2. Do not deduct the bank fee from your side from the amount of money to send. 3. For sending money by wire/bank transfer or check please add US\$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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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.

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