

WASWAC HOT NEWS 2013 (07) July 2013

Advisor: Dr. Samran Sombatpanit **Editors:** Ms. Mao Juan, Dr. Du Pengfei

Contributors: Prof. Li Rui, Dr. Karika Kunta, Dr. Amir Kassam

Please send your contributions/ information for next issue(s) of HOT NEWS & WASWAC Bulletin to

waswac@foxmail.com, iswcr@foxmail.com, care_045@yahoo.com

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

New information please visit our official website <http://www.waswac.org>.

REDUCE ▪ REUSE ▪ RECYCLE

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



PLEASE CONSIDER THE ENVIRONMENT BEFORE YOU PRINT THIS HOT NEWS



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Join us

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

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

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International Soil and Water Conservation Research

Some new developments were obtained during July:

(1) The certificate for all members of editorial board has been issued, some examples as follows:



For Chief Editor



For English Editor-in-Chief



For Associate Chief Editor



For Advisor



For members of editorial board



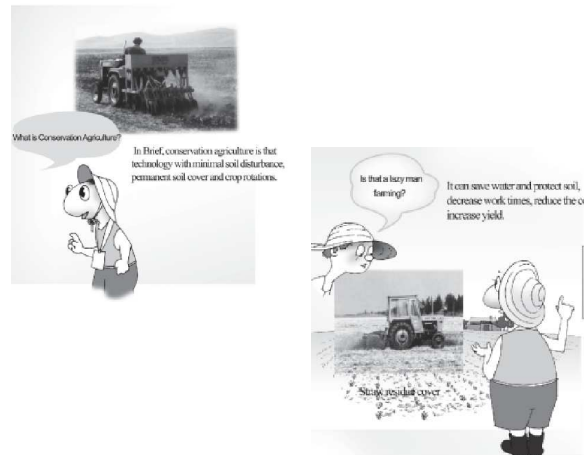
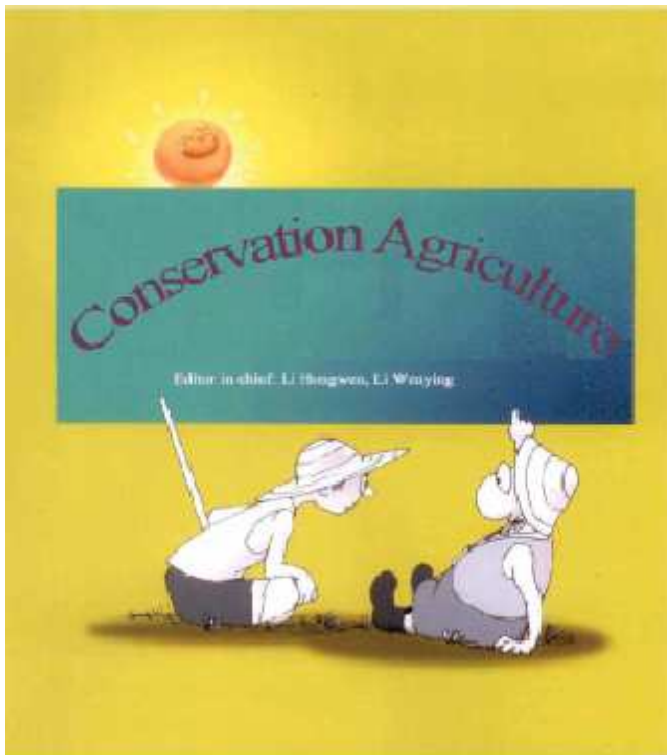
(2) The ISSN No. was allocated by the ISSN China Center, ISSN 2095-6339 will be appeared in the front cover of next issue ISWCR.

(3) Related documents are being prepared to apply for the bar code.

(4) More than 10 papers have been submitted, our members of editorial board are paying their efforts to review.

Please pay your attention to our journal development, your support is always important not only in improving ISWCR quality so meet higher standard, but also in promoting soil and conservation progress.

Conservation Agriculture Cartoon Book



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

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

ICT International Standing Wave Technology
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WASWAC WC II (LANDCON 1309) will be held soon

To all WASWAC members and all participants,

The WASWAC WC II (LANDCON 1309) will be held in September 4-10, Chiang Rai, Thailand. Please book hotels, flight ticket and other necessary bookings as soon as you can, because time is so urgent, only 3 weeks to go!

Dr. Samran Sombatpanit has emailed all participants for some useful information, some important part have been selected as follows:

- For this conference we have changed the normal practice of Early Bird Registration Rate to requiring participants to send their copy of plane ticket or booking document to us within July 15, 2013. I am glad to say that about 75% of participants have done that now. I therefore ask the rest to please send. As is understood, the organizer has to be sure of the number of participants before they commit in several contracts concerning logistics.

- You are welcome to book your hotel either through us or by using internet. Besides these 3 hotels, there are still hundreds of hotels in Chiang Rai that you can book through the internet, esp. www.agoda.com gives good service.

- Your luggage: As we are organizing two tours, one in Chiang Rai and one in Bangkok and Pattaya/Rayong, and there will be a lot of travelling by car and by plane. In order to make your trip a pleasant and stress-free one, I suggest that you bring your clothes and personal belongings as necessary and use luggage of rather small size – after all, you will be the one to carry your own luggage most of the time.

- Registration: Registration and payment of the fees starts from 9.00 AM of September 4 at the conference venue. You are asked to pay all fees in cash, using US\$ or Thai Baht only. We will use the exchange rate of that day, which would be in the vicinity of 30-32 Thai Baht for US\$1. Registration staff will give you a temporary receipt and you can use it to exchange with the official one in the next day.

- As earlier announced, there will be 3 conferences to go on at the same venue under the big umbrella of The Engineering Institute of Thailand, so please be attentive about the rooms

where the WASWAC conference will take place. Certainly, once registered at any of the 3 conferences, one is free to attend all of them. We will provide a diagram showing the rooms for all events. The other two conferences are: The 5th National Convention on Water Resources Engineering and The 2nd EIT International Conference on Water Resources Engineering. Hope this combined event will be useful to you, as there will be more than 200 papers to present.

- When the tour ends: The tour will end in the evening of September 10 and we will drive you to the main airport of Bangkok, called Suvarnabhumi, where some of us will take the flights from small hours of September 11, e.g. 1.00 AM or so. Then we will take the rest to the hotel, which I would like to suggest the Ambassador Hotel at Nana Road/ Sukhumvit Road. A good room at this hotel costs little over \$50, and you can simply book it via the internet as follows:

<https://hkg.secure.agoda.com/b/en-us/book.html?uniqueId=683eb523-c474-44b8-a33d-fd4355d99303>

Please do not hesitate to ask any information that you need through sombatpanit@gmail.com

We wish you the best of luck and see you at Chiang Rai next month.

Cooperating organizations

- Land Development Department, Ministry of Agriculture and Cooperatives, Bangkok, Thailand
- Soil and Water Conservation Society of Thailand (SWCST), Bangkok, Thailand
- Kasetsart University, Bangkok, Thailand
- Green World Education Foundation (GWEF), Bangkok, Thailand
- Chinese Society of Water and Soil Conservation (CSWSC), Beijing, China
- Beijing Forestry University, Beijing, China
- International Research and Training Center on Erosion and Sedimentation (IRTCES-UNESCO), Beijing, China
- Institute of Soil and Water Conservation, Chinese Academy of Sciences (CAS/MWR), Shaanxi, China
- Northwest University of Agriculture & Forestry, Yangling, Shaanxi, China
- Jiangxi Institute of Soil and Water Conservation, Nanchang, Jiangxi, China
- Guangdong Institute of Eco-Environmental and Soil Sciences (GIEESS), Guangzhou, Guangdong, China
- Institute of Mountain Hazards and Environment-CAS, Chengdu, Sichuan, China
- Chinese Soil and Water Conservation Society (CSWCS), Taichung, Chinese Taipei
- National Science and Technology Center for Disaster Reduction (NCDR), Taiwan, Chinese Taipei
- National Chung-Hsing University, Taichung, Chinese Taipei
- National Pingtung University of Science and Technology, Pingtung, Chinese Taipei
- National Institute for Agro-Environmental Sciences (NIAES), Tsukuba, Japan
- College of Bioresource Sciences, Nihon University, Tokyo, Japan
- Bureau of Soils and Water Management (BSWM), Quezon City, Philippines
- Philippine Society of Soil Science and Technology (PSSST), Quezon City, Philippines
- Soil Conservation Society of India, New Delhi, India
- North Carolina Agriculture & Technology State University (NCA&T), Greensboro, NC, U.S.A.

PROGRAM

September 4, 2013

Registration: 0900-

Debris Flow Mini-Workshop (15.00-17.00)

Council Meeting (17.00-18.30)

September 5 & September 6, 2013

 (Following sessions run concurrently: 2&5, 3&6, 4&7, 9&12, 10&13, 11&14)

(Banquet will be from 18.30-20.30 of September 5, 2013; a number of social activities including Awards presentation will take place.)

Registration: 08.30-

Opening Session (09.00-10.30)

Opening Speeches and Welcome to the Participants (the same as the 2nd conference)

MAIN KEYNOTE 1: How can technological advance reduce damage from floods? *Ashish Sharma*, Australia

MAIN KEYNOTE 2: Soil and land resources: general trends and future scenarios – a worldwide perspective. *Winfried E.H. Blum*, Austria

Opening of the Photo Exhibition on Climate Change by Forest Clim, Germany & GISTDA, Thailand

Opening Video: *Crying Land* - Plenary

NOTE: The number of papers in each session varies; only 4 papers have been randomly taken to illustrate the contents of one session. A complete table of contents will be available in August.

Session 1. METHODOLOGIES TO ASSESS THE EXTENT OF LAND DEGRADATION

- Vulnerability of soils of Thailand to degradation processes, *Pisuth Vijarnsorn*, Thailand
- Linking landforms and land use to land Degradation in the middle river Njoro watershed, *Zachary Gichuru Mainuri*, Kenya
- A survey of natural Nipa palm areas for restoration of degraded coastal lands in southern Thailand, *Noparat Bamroongrugs*, Thailand
- Recognition of the gully in loess hilly-gully region from high spatial resolution imagery using object based image analysis, *Li Bingbin*, China

Opening of the poster session – 30-40 posters will be presented at the WASWAC-WCII

Session 2. SOIL LOSS AND LANDSLIDE

- Research into soil erosion processes and control in major water-erosion regions of China, *Li Rui*, China
- Effect of initial water content on the factor of safety against land slide, *Mousa Attom*, UAE
- Simulation of spatial distribution of soil erosion and sediment yield for Huangfuchuan watershed based on MUSLE model and GIS, *Fu Jinxia*, China
- Application of hourly rainfall data to estimate the Rainfall Erosion Index in southern Taiwan, *Lin Huan-Hsuan*, Chinese Taipei

Session 3. DEBRIS FLOW

- Integrated method of botanical and geotechnical countermeasures for debris flow control, *Cui Peng*, China
- Disaster magnitude assessment for debris flow under extreme rainfall event in Siou-Lin County, Hualien, *Wu TingYeh*, Chinese Taipei
- Dammed-up phenomena recognition by HEC-HMS and topographic features of debris flow events, *Chen T.C.*, Chinese Taipei
- Characteristics, hazards and mitigation of the 8.18 catastrophic debris flows at Jushui river basin, Sichuan, China, *Guo Aaron*, China

Session 4. SEDIMENTATION

- Sediment disaster potential analysis and application in Taiwan, *Chen Lien-Kuang*, Chinese Taipei
- Experimental study on sediment transport capacity of rill flow on loess hillslopes, China, *Liu Jun'e*, China
- The computational model of the sediment control at soil and water conservation engineering, *Lien Hui-Pain*, Chinese Taipei

- A sediment transport model for soil erosion and sediment yield under different land use types, *Zhao Chunhong*, China

Session 5. EFFECTS OF GLOBAL CLIMATE CHANGE

- Achieving food security in the Gulf Cooperation Council countries in a changing climate scenario, *Shabbir A. Shahid*, UAE
- The impacts of forests on water supply and flood mitigation in a changing climate, *Gebhard Schueler*, Germany
- The level of empowerment competitive food crop farmers for anticipation climate change: pilot project in Central Java, Indonesia, *Efriyani Sumastuti*, Indonesia
- Characteristics of meteorological disasters in China within 2012, *Zheng Fenli*, China

Session 6. EVALUATION OF IMPACTS OF LAND DEGRADATION

- Soil security, conflicts and wars linked to desertification and climate change impacts, *José Rubio*, Spain
- Land degradation neutrality: implications for a soil related sustainable development goal, *Knut Ehlers*, Germany
- Salinity status of tsunami-affected agricultural lands in northeast Japan, *Kingshuk Roy*, Japan
- Design of experimental runoff plot for soil and water conservation, *Xie Songhua*, China

Session 7. ECOLOGICAL ASPECT OF LAND DEGRADATION AND RESTORATION

- Ecological and socio-economic issues of small hilly watersheds – case of Serbia, *Miodrag Zlatic*, Serbia
- Ameliorating ecological integrity in the fragile ecosystems: uncultivated foods as a cornucopia for food, nutrition and environmental security in the Himalayas, *Vir Singh*, India
- Soil conservation and ecosystem rehabilitation of the Loess Plateau of China: from benefit to ecosystem service, *Liu Guobin*, China
- Soil nitrogen and nitrogen bacteria groups under different vegetation types in forested zones of loess gully region, *Huang Yimei*, China

Session 8. SWAT ACHIEVEMENTS - A Plenary, with contributions in the achievements of the use of SWAT hydrological model from Indonesia, Japan, Malaysia, The Philippines, Thailand, Vietnam,

Session 9. CONTROL MEASURES TO PREVENT/MITIGATE LAND DEGRADATION AND FOR RESTORATION

- Resource conservation technologies for efficient rice water management in Indo-Gangetic plains of India, *S.S. Kukal*, India
- Restoring degraded land to improve food production in Budhiganga sub-watershed of Nepal, *Chiranjivi Sharma*, Nepal
- Rehabilitation of lahar-laden lowland rice areas with cocopeat, *Fe B. Perlas*, Philippines
- Environmental education and reforestation approaches to prevent, mitigate and restore land degradation in Madagascar, *Euphrasie Razafindravoniarisoa*, Madagascar

Session 10. INTEGRATED MEASURES THAT ENHANCE SOIL AND WATER CONSERVATION

- The agency framework in the conservation agriculture narrative of a farmer, *Jean A. Saludadez*, Philippines
- Effects of long-term organic material applications and green manure crop cultivation on soil organic carbon in rainfed area of Thailand, *Tomohide Sugino*, Japan
- Soil physical capacity and intensity properties for achieving sustainable agriculture in the subtropics and tropics, *José Miguel Reichert*, Brazil
- Soil quality for agriculture in Thailand and challenging to be World Kitchen, *Orathai Sukreeyapongse*, Thailand

Session 11. WATER RESOURCE MANAGEMENT

- Storing water underground: a response to anticipated water shortage due to climate change, *Mushtaque Ahmed*, Oman
- Rainwater harvesting, its prospects and challenges in the uplands of Talugtog, Nueva Ecija, *Sammy Contreras*, Philippines
- A bibliometric study of water resources research: 1910-2010, *Tan Rongzhi*, China
- The wastewater management in Colombian's small watersheds, *Henry Jimenez Escobar*, Colombia

Session 12. LAW AND POLICY

- Legislative and institutional aspects of soil and water conservation: The Philippines experience, *Redia Atienza*, Philippines
- Strategies for slopeland disaster management after the Chichi earthquake in Taiwan, *Chen Su-Chin*, Chinese Taipei
- Use of incentives to promote sustainable land use: case study of sawlog production grant scheme (SPGS), *Bueno Dickens Sande*, Uganda
- Impacts of urbanization on soil and water of a wetland ecosystem: a case study from Nigeria, *Tijani Moshood*, Nigeria

Session 13. FARMERS' ROLE IN CONSERVING SOIL AND WATER RESOURCES

- A participatory approach of conservation agriculture: the case of Andean raspberry and transitory crop associations in steep land of Colombia, *Franco Humberto Obando-Moncayo*, Colombia
- Factors affecting application of soil and water conservation practices by farmers in upland crop production system in Sri Lanka, *Shanta Hewage*, Sri Lanka
- Does rubber plantation have a positive impact on soil environment?, *Alain Brauman*, France
- Evaluating the crop productivity and environmental impact of land application of composted organic waste on calcareous soils of northern Guam, *Mohammad Golabi*, U.S.A.

Session 14. LAND USE CHANGE AND CONSEQUENCES

- The expansion of Brazilian agriculture: soil erosion scenarios, *Gustavo Merten*, Brazil
- Effects of land use change on soil and water losses in Yang Ming Shan National Park, Taiwan, *Thomas C.C. Huang*, Chinese Taipei
- Effects of land-use changes on soil carbon dynamics in tropical area of Thailand, *Sathaporn Jaiarree*, Thailand
- Strategies for controlling agricultural land conversion of paddy by using Analytical Hierarchy Process in Central Java, *Sucihatningsih Dian Wisika Prajanti*, Indonesia

Closing Session

Threats to Land and Water Resources in the 21st Century - A Panel Discussion
Presentation of WASWAC Activities Worldwide
Conclusions and Recommendations
Closing Speeches and Farewell

September 7, 2013 (07.00-18.00)

Excursion to visit a soil conservation project and certain geographic sites of Chiang Rai Province as follows:

- Chiang Rai Land Development Station, Tambon Nanglae
- Land Development Unit near Mae Salong Village
- Lunch and relaxation at Mae Salong Village where Kuomintang soldiers migrated from Yunnan several decades ago
- Golden Triangle where the territories of Myanmar, Laos and Thailand meet
- Stop at certain sites along the way

Participants that will join the post-conference tour of Bangkok and the Eastern part of the country travel by plane from Chiang Rai to Bangkok by either **FD3206, 21.40-23.00** or **TG141, 20.25-21.45**

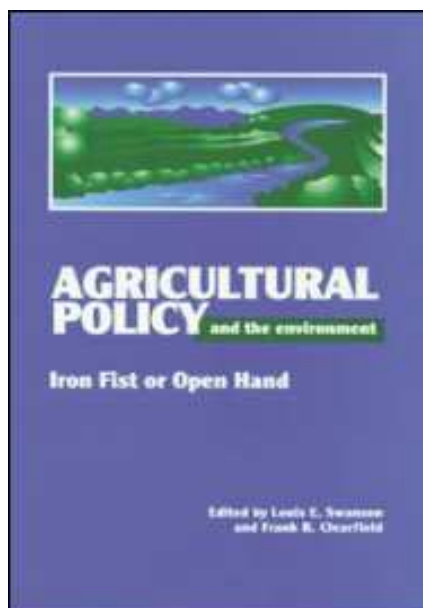
Participants that will **NOT** join the post-conference tour of Bangkok and the Eastern part of the country may leave Chiang Rai by any flight or any other mode of transportation.

September 8-9, 2013 or **September 8-10, 2013**

Post-conference tour of Bangkok and the Eastern part of Thailand (details will be available later) to visit:

- Important sightseeing spots in Bangkok,
- Certain authority/ies that are responsible for soil and water conservation in the country,
- A royal development study center,
- The city of Pattaya (beach, entertainment etc.),
- Horticultural areas of Rayong Province,
- and drop participants at the Suvarnabhumi Airport or Donmueang Airport or at a hotel.

BOOK INTRODUCTIONS

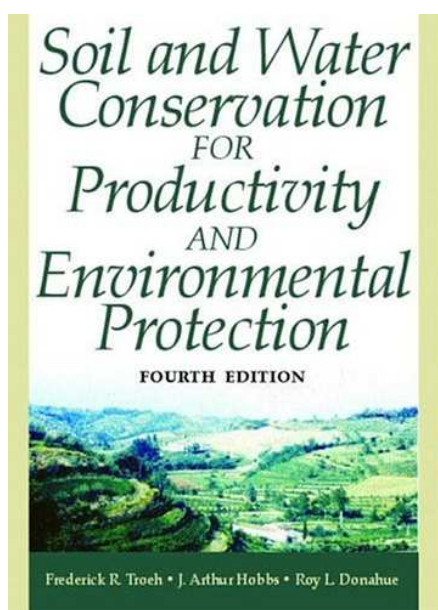


Agricultural Policy and the Environment

Edited by Louis Swanson and Frank B. Clearfield

The contradictory values of farm stewardship and pristine nature are often in conflict with the equally powerful cultural value of material progress—Louis Swanson

This thought-provoking book demonstrates the effects of environmental and agricultural policy development and enforcement on farmers. Also discussed is the impact of public attitudes toward agricultural water pollution. A useful tool for the conservation professional interested in the relationships among policy, practice, and people



Soil and water conservation for productivity and environmental protection

Publication Date: May 17, 2003

ISBN-10: 0130968072

ISBN-13: 978-0130968074

Edition: 4

Written from an agronomic rather than an engineering perspective, this introduction to soil and water conservation explores a full range of topics and environmental issues, including some ignored or overlooked in other books on the subject. Comprehensive, up-to-date, and accessible, it considers the hazards posed by erosion, sedimentation, and pollution, and describes the techniques needed to conserve soil and maintain environmental quality. Situations and examples are drawn from many places to represent a cross-section of the soils, climates and cultures of the world, as well as the full scope of agricultural, engineering, mining, and other uses of the land. The volume covers conserving soil and water, soil erosion and civilization, geologic erosion and sedimentation, water erosion and sedimentation, wind erosion and deposition, predicting soil loss, soil surveys as a basis for land use planning, cropping systems, tillage practices for conservation, conservation structures, vegetating drastically disturbed areas, pastureland, rangeland, and forestland management, water conservation, soil drainage, irrigation and reclamation, soil pollution, water quality and pollution, economics of soil and water conservation, soil and water conservation agencies in the United States, and soil and water conservation around the world. For professionals that deal with soil and water conservation.



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MEETINGS

Soil Forming Factors and Processes from the Temperate Zone



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Soil forming factors and processes from the temperate zone

23rd edition

« Terroirs, vineyards and wine »

19-22 September 2013



Field application in Romania and the Republic of Moldova

Organizers

Romanian Academy, Iași, Romania, Collective of Geography

Chaire UNESCO "Culture et traditions du vin", Université de Bourgogne, Dijon, France

"Alexandru Ioan Cuza" University of Iași, Romania, Department of Geography

"Ion Ionescu dela Brad" University of Agricultural Sciences and Veterinary Medicine, Iași, Romania

The State University of Moldova

Romanian Society of Geography

Programme

19 September 2013

Oral and poster presentations

0900- 1000 - Participants registration

1000 - 1030 - Opening by conveners

1030 - 1130 - Plenary presentations

1130 - 1200 - Coffee break

1200 - 1300 - Oral presentations

1300 - 1500 - Lunch at Gaudeamus Restaurant

1500 - 1700 - Oral presentations

1700 - 1730 - Coffee break. Poster session

1730 - 2000 - Oral presentations

2000 - 2030 - Break

2030 - 2230 - Dinner at Gaudeamus Restaurant

[20 - 22 September 2013](#)

Field application in the north-eastern region of Romania and in the Republic of Moldova (passport needed).

[20 September 2013](#)

0830 - 1000 - Iași – Adamachi Farm. Soil profile no. 1. Discussions on the terroir and vineyard

1000 – 1100 - Departure from Iași to Averești

1100 - 1230 - Averești Farm. Soil profile no. 2.

1230 - 1430 - Wine testing and lunch at Averești

1430 -1700 - Departure from Averești to Albița (border crossing) – Onești, Republic of Moldova.

1700 - 1800 - Soil profile no. 3.

1800 - 1930 - Departure from Onești to Mileștii Mici (largest wine collection in the world – Guinness World record; longest galleries in Europe - 250 km).

1930 - 2200 - Visit of the galleries, wine tasting and dinner at Mileștii Mici.

2215 - Accommodation in Kishinev

[21 September 2013](#)

0900 - 1030 – City tour of Kishinev

1030 - 1230 – Visit of the National College for Viticulture and Winemaking from Stăuceni (Kishinev). Soil profile no.4.

1230 - 1300 – Departure from Kishinev to Drășliceni

1300 - 1500 – Lunch at Drășliceni

1500 - 1630 – Departure from Drăslăceni to Hîncu Monastery. Visiting the monastery

1630 - 2000 – Departure to Iași and border crossing

2000 - 2200 - Dinner at “Gaudemus” Restaurant

22 September 2013 – departure from Iași

Any interested person is invited to submit abstract(s). The Abstract Call is open and the deadline for submission is strictly fixed on September 1st 2013. Abstract(s) submission for oral or poster presentations is possible by e-mail at vasiliniucionut@yahoo.com

The symposium will include invited lectures, and voluntary oral and poster presentations. Oral and poster contributions will be regarded as scientifically equivalent. Professional staff will be available to assist poster presenters in order to locate their poster boards. Adhesive material will be provided at the registration desk. The reservations will be ensured by the organizers in the moment of the e-mail confirmation of the registration.

The full papers, if submitted, will be published in the Soil Forming Factors and Processes from the Temperate Zone journal, abstracted and / or indexed in DOAJ, EBSCO, Ulrich’s Web, BASE Bielefeld.

More details: http://factori.soilscience.ro/index.php/fspdzt/pages/view/conf_en

Protection of Soil Functions – Challenges for the Future



the EU project PROFICIENCY (FP7-REGPOT-2009-1-245751)
„Strengthen IUNG’s proficiency on *Managing the Production of Food and Feedstuff, their Safety and Quality under Global Climatic Change*”

International Conference

„Protection of soil functions – challenges for the future”

16th – 18th October 2013, Puławy, Poland

Organizer

Institute of Soil Science and Plant Cultivation – State Research Institute (IUNG-PIB), Department of Soil

Science and Land Protection, Puławy, Poland

Goal

The goal of the conference is to discuss the problems and future challenges related to protection of main soils functions with particular emphasis on the following topics: Methods to evaluate soil functions and soil value (for environment and human society) Measures for soil protection against threats: erosion, compaction, loss of soil carbon and pollution Soil acidification – overlooked threat to soil quality and functions Management and protection of soils of different use (agriculture, urban) Methodologies for risk assessment at local, regional and European level Remediation of degraded soils Soil biodiversity – does it deserve attention? How to detect the negative changes? Field and policy measures for improvement of soil functions Protection of organic soils Case studies – examples of best practices in soil management

Meeting Venue

The Institute of Soil Science and Plant Cultivation - State Research Institute (IUNG-PIB) ul. Czartoryskich 8
24-100 Puławy, POLAND <http://www.iung.pulawy.pl/eng/> <http://proficiency-fp7.eu/>



- 1 – Institute of Soil Science and Plant Cultivation – State Research Institute
- 2 – IUNG Hotel
- 3 – Izabella Hotel
- 4 – National Veterinary Research Institute
- 5 – Train Station
- 6 – Shopping Centre



Registration

Participants are kindly requested to fill in and send the registration form to Ms Beata Suszek email: bsuszek@iung.pulawy.pl, tel + 48 81 886 3421 ext. 316 or fax it to: +48 81 886 4547

There is no conference fee. Registration fee for all participants is sponsored by the UE project PROFICIENCY (FP7-REGPOT-2009-1-245751). Participants cover only cost of travel and accommodation.

For active participants (oral and poster presentations – first authors) there is a possibility of the reimbursement of the costs of travel (economic level) and accommodation in Puławy for the conference period. The applications have to be send together with registration forms. The budget is limited, so the funding will be consider in order of application.

For foreign participants the tickets have to be booked and paid by the IUNG, hence, the applications cannot be send later than 31 August 2013. Please, specify the conditions of ticket reservations (date, time, fly number etc.) .

For Polish participants the costs of the travel will be reimbursed to their home institution, after accepting the application.

Presentations

The conference language is English.

The conference will include invited keynote lectures, oral presentations and poster presentations. Poster size will be 120 cm long and 90 cm wide.

Important Dates

Registration deadline 31 August 2013

Abstract submission 10 September 2013

Information regarding abstract acceptance and 2nd announcement 15 September 2013

Submission of abstracts

Participants are kindly asked to submit abstracts of oral and poster presentations by e-mail to Ms Beata Suszek (email: bsuszek@iung.pulawy.pl). The abstracts will be included in the Conference Proceedings (with ISBN number).

Abstracts should not exceed 2 pages A4, including tables, graphics and references. Each author may contribute to maximum 3 presentations.

Title of the paper (all caps, bold), authors' names (bold), affiliations and addresses with e-mail (Italic), centered and with one line space between them, underline the presenting person.

Text: Microsoft Word format, Times New Roman, 11 pt, single line spacing, only black and white tables and graphics, 2 pages max. The citation in the text should be by the names of the authors and the year of the publication. The references should be ordered in alphabetical order.

Contact

Ms Beata Suszek - Secretary

Department of Soil Science and Land Protection, IUNG-PIB

e-mail: bsuszek@iung.pulawy.pl tel. + 48 81 886 3421 ext. 316

Prof. Barbara Maliszewska – Kordybach

Department of Soil Science and Land Protection, IUNG-PIB

e-mail: bkord@iung.pulawy.pl tel. +48 81 886 3421 ext. 321

International Conference BCD 2013



INTERNATIONAL CONFERENCE BCD 2013

Biochars, Composts, and Digestates.

Production, Characterization, Regulation, Marketing, Uses and Environmental Impact

October 17 to 20, 2013 – Bari – Italy

FIRST CIRCULAR



Main Subjects

1. Production technologies of biochars, composts and digestates by conversion of solid and fluid biowastes/biosolids
2. Analysis and characterization of biowastes, biochars, composts and digestates
3. Sustainable uses, applications and environmental impact of biochars, composts and digestates
4. Certification, regulation and marketing of biochars, composts and digestates

GENERAL PROVISIONAL PROGRAMME

	THU 17	FRI 18	SAT 19	SUN 20
8.00 – 8.30		<i>Poster set up</i>	<i>Poster set up</i>	
8.30 - 10.00		Plenary Session 2	Plenary Session 3	Plenary Session 4
10.00 -10.30		<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10.30 – 12.00		Plenary Session 2	Plenary Session 3	Plenary Session 4
12.00 – 13.30	Registration opens @ 12.00	<i>Break</i>	<i>Break</i>	<i>Break</i>
13.30 – 15.00	Opening Ceremony @ 14.00	Poster visit	Poster visit	Special parallel Sessions
15.00 – 16.30	Plenary Session 1	Special parallel Sessions	Special parallel Sessions	Special parallel Sessions
16.30 – 17.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	Concluding Remarks
17.00 – 18.30	Plenary Session 1	Special parallel Sessions	Special parallel Sessions	
18.30 – 20.00	<i>Welcome reception (19.00-21.00)</i>	Poster visit	Poster visit	
		<i>Poster removal</i>	<i>Poster removal</i>	

REGISTRATION FEES (in Euro)

REGISTRATION FEE	EARLY	REGULAR	LATE
	by 31 May 2013	by 31 JULY 2013	after 31 JULY 2013 and on-site
Regular Attendants	€ 380,00	€ 450,00	€ 520,00
Certified Students*	€ 250,00	€ 290,00	€ 330,00
Accompanying persons	€ 100,00	€ 120,00	€ 150,00

All fees are 21% VAT included.

INFORMATION AND CONTACTS

Prof. Nicola Senesi, Conference President

Dipartimento di Scienze del Suolo, della Pianta e degli Alimenti (DISSPA)
University of Bari "Aldo Moro", Via G. Amendola 165/A, 70126 Bari - Italy

Tel.: +39 0805442853

Fax: +39 0805442850

e-mail: nicola.senesi@uniba.it

Prof. Teodoro Miano, Conference Vice-President

Dipartimento di Scienze del Suolo, della Pianta e degli Alimenti (DISSPA)
University of Bari "Aldo Moro", Via G. Amendola 165/A, 70126 Bari - Italy

Tel.: +39 0805442857

Fax: +39 0805442850

e-mail: teodoro.miano@uniba.it

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9th International Symposium – AgroEnviron 2014

Important Dates

Abstract Submission

Nov 30, 2013 Abstract submission deadline

Jan 06, 2014 Confirmation of accepted
abstracts

Apr 6, 2014 Short paper due

Registration

Nov 30, 2013 Early Bird registration close

Jul 15, 2014 Standard registration close

Jul 29, 2014 Late registration close

9th International Symposium AgroEnviron 2014

August 3 – 7 2014
Goiânia, Brazil, Oscar Niemeyer Cultural Center

AgroEnviron
2014



Impacts of Agrosystems on the Environment: challenges and opportunities

First Announcement and Call for Abstracts

Conference Topics:

- Soil and water conservation and management
- Agricultural and environmental policies
- Environmental sustainability
- Technology innovation
- Education

Organizing Committee

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Spain, The Netherlands, Turkey,
United States of America, Venezuela.

Contact Information

Organizing Committee:
agroenviron2014@gmail.com

Symposium Administration Secretariat (Win events):
eventos.go6@wineventos.com.br

Call for Abstracts and Registration are open at www.agroenviron2014.com

Visit our website for further information on the Conference!

Conservation Agriculture: The foundation for Africa's "Green Revolution"

Posted by Barbora Nemcova on June 25, 2013. Posted in Africa, Conservation Agriculture, Visits to CIMMYT



The Global Conservation Agriculture Program (GCAP) works closely with partners all over the world toward an ultimate vision of widespread use of sustainable systems by smallholder farmers, based on the principles of conservation agriculture (CA). Our key partner in Africa is the African Conservation Tillage Network (ACT). We asked their Executive Secretary, Saidi Mkomwa, about the current status and future of CA in Africa. Some of the talks are as follows:

ACT was established in 1998. Has Africa seen a big change in CA adoption since then?

Mkomwa: The adoption rate isn't very big, but we think it's good. It took Brazil 17 years to get the first one million hectares under CA; it's been a shorter time in Africa and we have almost reached one million hectares already. It is happening at a slower rate than we would want, but it's getting there. We have seen partial adoption of CA principles across the continent. For example, during one of our exchange visits to Zambia, we met a woman – we nicknamed her Barefoot Woman – who had no shoes but she was rich and she was proud to be a farmer. She wasn't practicing all three principles, only reduced tillage combined with some mechanization, but it's a start.

Why do you think that CA is key in improving food security in Africa?

Mkomwa: The Green Revolution that has been so helpful in Asia has passed by and Africa has not benefited from it. We think it's primarily because of the continent's poor infrastructure: getting fertilizers to people is a problem because transportation is difficult; farmers don't have cash and there are no banks to borrow from. But even when farmers can efficiently utilize fertilizers and improved seeds, their work is hampered by degraded soil, inadequate soil moisture, and inadequate access to water. For Africa to benefit, the soil has to improve. We believe that the Green Revolution in Africa has to start with smallholder rainfed farmers and CA is a possible intervention, more affordable than, for example, building irrigation schemes.

We have been promoting CA a lot by looking at the yields. A lot of people will ask how much the yield increase is. I'll say that we should also be looking at the annual productivity of the land, annual productivity of labor. You can have a modest yield of 3 tons per hectare, but if you can have two crops in there instead of one, we're looking at 6 tons per hectare per year in the end. This is affordable intensification. And it's not only that: CA also increases the soil moisture retention, thus increasing annual productivity of the land and – through the use of crop residues – decreasing the dependency on external inputs, such as fertilizers, which farmers fail to acquire.

Does the climate change argument help convince African farmers to adopt CA?

Mkomwa: It is one of the biggest promoters of CA. Farmers practicing CA have proven to their neighbors that they're able to get some crop when conventional agriculture gets zero. Then we don't need to say anything. The resilience of CA fields is much higher. The message is straightforward.

If I was an African smallholder farmer, how would you convince me to adopt CA?

Mkomwa: You've been farming for the last 40 years, can you tell me how far has this farming taken you? The reflection on how conventional farming has managed to feed farmers' families is important: it has failed to feed them and they have to look at alternatives. And we're offering one. But if you're an African farmer, we should take you to your nearest neighbor who is doing well so that you can talk to them. If we talk to you as scientists or development workers, you might think we're adding salt to the benefits. That's the challenge we're facing: having enough model farmers.

How is CIMMYT helping your work?

Mkomwa: CIMMYT is an important partner in capacity building and research. We don't have a research system in place and GCAP is thus a great asset to our work. CIMMYT is also leading the 'Farm power and conservation agriculture for sustainable intensification' (FACASI) project. We are part of this project and as we see mechanization as one of the bottlenecks hindering CA adoption in Africa, it is a very valuable partnership. Furthermore, we are jointly organizing – with CIMMYT, FAO, and NEPAD – the upcoming Africa Congress on Conservation Agriculture (18-21 March 2014, Lusaka, Zambia). With farmers at the center of the Congress, we hope to hear about their problems and progress. We need them to move forward as we believe that an increase in CA adoption would have a great impact on food security on both national and continental level.

Full text available at: <http://blog.cimmyt.org/?p=10573>

JOBS

1. Research Assistant in Soil Ecology



Salary £22,504-£23,442 per annum (Band C)

Salary £27,792-£29,566 (Band D)

We wish to recruit an experienced Research Assistant in Soil Microbiology to join the plant-soil ecology team within the Ecological Sciences Group. You will investigate plant interactions with microbial community dynamics and function of nitrogen cycling groups and/or arbuscular mycorrhizal fungi.

The candidate will either be an experienced technician or hold a PhD in a relevant area, reflected in the two salary ranges above and should have experience in the application of molecular techniques in soils research which ideally include real time PCR, techniques such as T-RFLP and/or high-throughput sequencing. Experience in the assessment of soil function would also be an advantage, especially where applied to nitrogen cycling or mycorrhizal systems, as would knowledge of statistical analysis of complex data sets.

Informal enquiries for further information may be made to Tim Daniell (tim.daniell@hutton.ac.uk)

This post will be based in Dundee; there may be a requirement to travel between sites.

Further information is available from www.hutton.ac.uk/careers

To apply please submit a covering letter and CV (including the names and addresses of three referees, one of which must be your current or most recent employer) by e-mail to vacancies@hutton.ac.uk or by post to HR Office Aberdeen, James Hutton Institute, Craigiebuckler, Aberdeen AB15 8QH by 14 September 2013.

The James Hutton Institute

Tel: 0844 928 5428

Details at: <http://www.earthworks-jobs.com/ecology/hutton13081.html>

2. Climate Smart Agriculture Programme Manager, The Gold Standard Foundation

Organization:

The Gold Standard Foundation

Position:

Climate Smart Agriculture Programme Manager

Duty Station:

Freiburg (Germany) or Geneva (Switzerland)

Deadline for Application:

6 September 2013

Special Requirements:

Electronic applications, with motivation letter, CV, half-page writing sample, earliest start date, salary expectations

Contact

Name: Pieter van Midwoud, Director of Business Development Land Use & Forests

Email: p.vanmidwoud@cdmgoldstandard.org

Links:

Job Announcement: <http://www.cdmgoldstandard.org/about-us/careers>

Organization's Website: <http://www.cdmgoldstandard.org>

Details at:

<http://climate-1.iisd.org/jobs/climate-smart-agriculture-programme-manager-the-gold-standard-foundation/>

3. Postdoctoral Fellow – Developing systems to sense, map and model soil carbon

The Position:

We are seeking to appoint a motivated Postdoctoral Fellow to help develop a complete system to sense, map and model soil organic carbon at field and farm scales. The successful candidate will join a multidisciplinary team working within CSIRO Land and Water and the Sustainable Agriculture Flagship, and contribute to the following research:

- Develop field-deployed soil sensors to measure soil carbon, bulk density, soil water and related properties;

- Develop sensor-data fusion for 3-dimensional mapping of soil carbon stores and related properties;

- Develop data-model assimilation techniques to incorporate spatial data with a carbon simulation model to predict long-term soil carbon trends.

The Postdoctoral Fellow will conduct innovative research to develop and use sensors to measure soil organic carbon and related soil properties to improve its mapping and modelling.

Specifically you will:

- Contribute to research activities related to the development of soil sensing, mapping and modelling within the Soil and Landscape Science Program and the Sustainable Agriculture Flagship.

- Conduct original research on the development and use of soil sensing with different technologies and signal processing and sensor data-fusion algorithms.

- Research and develop methods for 3-dimensional mapping of soil organic carbon and related properties at field and farm scales.

- Research and develop methods for data-model assimilation.

- Disseminate research findings in internationally recognised scientific journals and through seminars and conference presentations/papers.

- Develop innovative concepts and ideas for further research.

- Contribute to the effective functioning of the research team.

- Participate in CSIRO's postdoctoral training program.

Location:

Black Mountain, Canberra, ACT Australia

Salary:

\$78K-\$88K p.a. plus up to 15.4% superannuation

Tenure:

3 Year Term

To be successful in this position you will need:

A PhD in soil science, pedometrics, or other quantitative environmental science discipline.

Demonstrated theoretical and practical knowledge of modern quantitative methods in soil and/or environmental science including a sound understanding of multivariate statistics, geostatistics and data mining.

Good knowledge of soil sensing and modern analytical techniques including infrared (visible, near infrared and mid infrared) spectroscopy, gamma radiometrics, electromagnetic induction, x-ray fluorescence.

An understanding and interest in the development and use of data-model assimilation and Bayesian statistical modelling.

Strong skills in statistical programming with the R language, and working knowledge of general programming with languages such as C, Python or Labview (e.g. for data logging, sensor communication, signal processing, or GIS applications).

Evidence of excellent written and oral communication skills including the ability to publish research results in scientific journals.

A valid unrestricted driver's licence. International candidates will be required to obtain an Australian driver's licence if successful.

[About the Soil and Landscape Science Program](#)

The Soil and Landscape Science Program is one of the nine research programs in CSIRO Land and Water. The program currently has scientists with acknowledged international expertise in soil science, measurement and mapping of soil and landscape properties, soil carbon and nitrogen dynamics, soil-plant interactions and soil-plant systems modelling. The research capabilities from the program deliver mainly to the Sustainable Agriculture Flagship

(<http://www.csiro.au/Organisation-Structure/Flagships/Sustainable-Agriculture-Flagship.aspx>).

Research in the program is closely aligned with Australia's strategic direction in climate-sustainable land use research, agro-ecosystems modelling, and land resources management and planning research. The program carries out research in projects funded by many major clients including the Department of Climate Change, Department of Agriculture, Fisheries and Forestry, Department of Water Resources, GRDC and CRDC etc.

[Applications close:](#)

15 September 2013

Details at: <http://www.earthworks-jobs.com/soil/csiro13081.html>

WASWAC MEMBERSHIP APPLICATION/RENEWAL FORM (Issued 120501)

(For renewal, please fill in only your name, country, 2 e-mails, year(s) and the amount to pay. Sending the form by e-mail is preferred.)

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My specialized field(s):.....
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Membership for the year(s)..... @US\$..... = US\$.....
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Donation to the Moldenhauer Fund US\$.....
Total US\$.....

*Membership categories & rates from July 18, 2005, amended March 3, 2007 and March 4, 2010.

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

1. IM (Individual membership): US\$20 for 5 years for developing countries (In China, members pay 130 yuan RMB); US\$40 for 5 years for developed countries and persons working in international organizations worldwide.
2. LM (Life membership): US\$80 for developing countries (In China, members pay 520 yuan RMB); US\$160 for developed countries and persons working in international organizations worldwide. Persons who have passed their 60th birthday pay only half of these LM rates.
3. OM (Organization membership): For universities, research and implemental institutions, government agencies, NGOs, societies, associations and international organizations, etc. Persons belonging to an Organization member will receive the same online products and services as the other two above categories: \$100/year for an organization with up to 150 persons; \$150/year for an organization with up to 300 persons; \$200/year for an organization with up to 500 persons; and \$10/year for an additional 100 persons or part thereof.
4. SM&GM (Student membership & Gift membership): US\$5/year worldwide, to be purchased to give to colleagues, friends, students, etc.

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

Dr. Xiaoying Liu. WASWAC Treasurer, c/o IRTCES. No. 20 Chegongzhuang Road West, Beijing 100048, China. Tel: +86 10 68786413; Fax: +86 10 68411174; Email: liuxy@iwhr.com; waswacsecretariat@yahoo.com; waser_secretariat@yahoo.com.cn. Membership fee can be sent through **Check**, **Bank Draft**, **Bank Transfer** and **WESTERN UNION**.

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

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