



The 2nd WASWAC World Conference
THE THREATS TO LAND AND WATER RESOURCES IN THE 21ST CENTURY:
PREVENTION, MITIGATION AND RESTORATION

On the occasion of the organizing of the

5TH NATIONAL CONVENTION ON WATER RESOURCES ENGINEERING



September 4-7, 2013



Chiang Rai, Thailand

With a post-conference tour to the
 Eastern part of Thailand during September 8-9, 2013



Organized by

World Association of Soil and Water Conservation (WASWAC), Beijing, China
Sub-committee on Water Resources, Engineering Institute of Thailand
Dept. of Civil Engineering, Faculty of Engineering, Thammasat University, Thailand



INVITATION

This historical flood in Thailand in 2011 resulted in a total of 815 deaths and affected 13.6 million people with a World Bank's estimated damage of 1,425 billion Baht (US\$45.7 billion).

Land is foundation of human survival and development, but the degradation of land is intensifying in many parts of the world, mainly because of improper land use and global climate change. Land degradation could induce the deteriorated productivity of land and ecological functions, including the last flood that we have just experienced. Land degradation has been threatening the socioeconomic and cultural development at regional and global scales. Fortunately, the increasing attention has been paid in combating land degradation all over the world that there have been many projects being operated by agencies in various regions to cope with such problems.



A Short History of WASWAC The World Association of Soil and Water Conservation (WASWAC – est. 1983 in U.S.A.) held conferences during its prime years in several developing countries in Africa, Asia and Latin America, resulting in a list of publications that give answers and directions to professionals, implementers and landusers to manage the land profitably and sustainably. To enable the organization to serve better, the WASWAC secretariat moved out in 2003 and eventually acquired its present office in Beijing, China in 2010.

Among the first tasks of the WASWAC since then was to organize the international conference on **Combating Land Degradation in Agricultural Areas** in Xi'an, China, during October 11-15, 2010, with the first worldwide meeting of WASWAC councilors. It was agreed during that time that the WASWAC should hold its international conference and council meeting every three years, e.g. in the last year of each 3-year council. The conference should have a main title of **“WASWAC World Conference and Council Meeting”**, and an important issue of that time could be put as the main theme. The council meeting in Xi'an agreed that the **2nd WASWAC World Conference and Council Meeting (WASWAC-WCII)** should take place in Thailand in 2013, the third year of the present council.



The Conference The severity of the great flood with subsequent damages and the urgent need to cope with the extent of land degradation have motivated the Engineering Institute of Thailand (EIT), the World Association of Soil and Water Conservation (WASWAC) and the Civil Engineering Dept. of the Faculty of Engineering, Thammasat University, to organize this conference by sharing the same venue with the **5TH NATIONAL CONVENTION ON WATER RESOURCES ENGINEERING** at Le Méridien Chiang Rai Resort, in Chiang Rai, the northernmost province of the country, during September 4-7, 2013, with hope that it will benefit academics and professionals in engineering, land development, soil and water sciences, agriculture and other related fields in achieving more knowledge and understanding of the ways and means to deal with these undesired effects, especially from the ever-increasing degradation of the land and the receipt of excessive runoff and applying them to avoid further damages.

We sincerely hope that the conference on **“The Threats to Land and Water Resources in the 21st Century: Prevention, Mitigation and Restoration”** (**LANDCON 1309** in the WASWAC meeting series) will be a lively platform for land management and conservation specialists worldwide to share their expertise. It will be preceded by the **Second Councilor Meeting of WASWAC** that will take place on the first day, September 4, 2013. We expect to achieve certain concrete outcomes that will be put in use right after that, and also with valued contributions to be published in the proceedings as well as in a scientific journal. We look forward to welcoming you at Chiang Rai, Thailand soon.

Cooperating organizations

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

Organizing/Scientific committee

Chairman: Assoc. Prof. Chavalit Chaleeraktragoon, Thammasat University, Thailand

Co-chairman: Dr. Samran Sombatpanit, Past President/Advisor of WASWAC, Thailand sombatpanit@gmail.com

- Members:**
1. Assoc. Prof. Nathaniel Alibuyog, Mariano Marcos State University, Philippines
 2. Asst. Prof. Dr. Somchai Anusontpornperm, Head, Soils Dept., Kasetsart University, Thailand
 3. Dr. Syaiful Anwar, Deputy Director of Watershed Planning, Ministry of Forestry, Indonesia
 4. Prof. Dr. Jorge Batlle Sales, University of Valencia, Valencia, Spain
 5. Dr. Suraj Bhan, President, Soil Conservation Society of India, New Delhi, India
 6. Prof. Dr. Winfried Blum, University of Natural Resources and Applied Life Sciences, Austria
 7. Assoc. Prof. Suwatana Chittaladakorn, Kasetsart University, Thailand
 8. Assoc. Prof. Sakchai Choochote, King Mongkut's Inst. of Technology Ladkrabang, Thailand
 9. Prof. Su-Chin Chen, National Sci. & Tech. Center for Disaster Reduction (NCDR), Taiwan, China
 10. Prof. Cui Peng, Institute of Mountain Hazards & Environment, CAS, People's Republic of China
 11. Prof. Dr. Deng Wei, Director, Institute of Mountain Hazards and Environment (IMHE), CAS, China
 12. Prof. Dr. Theo Dillaha, Virginia Polytechnic Institute and State University, U.S.A.
 13. Dr. Rungsun Im-Erb, Advisor, Land Development Department, Bangkok, Thailand
 14. Prof. Dr. Eiichi Kohno, Dean, College of Bioresource Sciences, Nihon University, Tokyo, Japan
 15. Dr. S.S. Kukal, Punjab Agricultural University, Ludhiana, India
 16. Prof. Dr. Li Dingqiang, Director, Guangdong Institute of Eco-Env. & Soil Science, GZ, China
 17. Prof. Dr. Li Hongwen, China Agricultural University, Beijing, China
 18. Prof. Dr. Li Rui, President, World Association of Soil & Water Conservation, Beijing, China
 19. Prof. Dr. Liu Guobin, Director, Institute of Soil and Water Conservation – CAS, Shaanxi, China
 20. Prof. Dr. Lu Zhan Yuan, Inner Mongolia Acad. of Agric. and Animal Husbandry, Hohhot, China
 21. Prof. Dr. Gustavo Henrique Merten, Universidade Federal do Rio Grande do Sul, Brazil
 22. Prof. Dr. M. Mihara, Tokyo University of Agriculture & President, ERECON, Tokyo, Japan
 23. Dr. P.K. Mishra, Director, Central SWC Research & Training Institute, Dehra Dun, India
 24. Prof. Dr. Ted Napier, Ohio State University, OH, U.S.A.
 25. Prof. Dr. Nguyen Kim Loi, Nong Lam University, Ho Chi Minh City, Vietnam
 26. Prof. Dr. Ning Duihu, Vice Director of the International Research and Training Center on Soil Erosion and Sedimentation (IRTCES), and Secretary General of WASWAC, Beijing, China
 27. Assoc. Prof. Dr. Kingshuk ROY, College of Bioresource Sciences, Nihon University, Tokyo, Japan
 28. Prof. Dr. José Rubio, Centro de Investigaciones sobre Desertificación-CIDE, University of Valencia, Valencia, Spain
 29. Dr. Shabbir S. Shahid, ICBA, Dubai, United Arab Emirates
 30. Mr. Chinapatana Sukvibool, Deputy President, WASWAC/Land Development Department, Thailand
 31. Dr. Silvino Q. Tejada, Director, Bureau of Soils and Water Management, Quezon City, Philippines
 32. Mr. Winai Wangpimool, Water Resources Department, Bangkok, Thailand
 33. Dr. Doug Wimble, Past President of the International Erosion Control Association (IECA), Australia
 34. Dr. Kazuyuki Yagi, National Institute for Agro-Environmental Sciences (NIAES), Tsukuba, Japan
 35. Prof. Dr. Zheng Fenli, Northwest University of Agriculture & Forestry, Yangling, Shaanxi, China
 36. Prof. Dr. Miodrag Zlatic, Past President of WASWAC, University of Belgrade, Serbia

Conference sub-themes

1. Methodology to assess the extent of land degradation
2. Evaluation of impacts of land degradation on food production and the environment
3. Effects of global climate change on land degradation and food security
4. Control measures to prevent and mitigate land degradation (mechanical, biological, agronomic, management) and to restore degraded land
5. Integrated measures that enhance soil and water conservation, e.g. Conservation Agriculture, Agroforestry, Landcare, Soil Fertility Improvement
6. Research programs that deal with land degradation and soil and water conservation, e.g. SWAT, WOCAT, LADA, ASOCON, DESIRE
7. Operating, monitoring and evaluation of land/soil conservation projects
8. Use of incentives to promote sustainable land use
9. Law and policy to mitigate land degradation and enhance soil and water conservation
10. Water resource management for sustained crop production
11. Any other topics of interest

Paper and abstract details

The work can be presented by either **oral** or **poster**. Authors for both modes of presentation are asked to send an abstract at first and full paper later. **Abstract** Please use Cordial New letters, size 15 pt. of Microsoft Word; it should be between 200-300 words. **Full paper** should be within 10 A4 pages, using the same letter font and size as for the abstract. **Posters** should carry a size of 90 cm (w) x 120 cm (h), with letter sizes readable from a distance of 2 m. Good proportion between picture/diagrams and text should be observed. For more details, please visit www.wreeit.org or contact admin@wreeit.org. **NOTE:** Presented papers will be selected to publish in the *Journal of International Soil and Water Conservation Research*.

Tentative program

<i>Wednesday</i> , September 4, 2013	Arrival and registration
	Afternoon: 2 nd Councilor Meeting of WASWAC
<i>Thursday</i> , September 5, 2013	Morning: Conference opening, Keynote addresses, Presentation of Awards, Presentation of papers (concurrent sessions)
	Evening: Banquet
<i>Friday</i> , September 6, 2013	Presentation of papers, Plenary session, Conclusions
<i>Saturday</i> , September 7, 2013	Field excursion (with a surcharge of US\$40 – the program will be announced later), Conference closing
<i>Sunday-Monday</i> , September 8-9, 2013	Post-conference tour to visit conservation projects and fruit orchards in the Eastern part of Thailand (US\$120 - excluding air ticket Chiang Rai-Bangkok)

Registration fee & other fees

Early bird registration fee (up to July 31, 2013)	
International participants	US\$250
International students (with proof as an active student from their institution)	US\$200
Regular registration fee (from August 1, 2013)	
International participants	US\$300
International students (with proof)	US\$250
Fee for one accompanied person	US\$150
Surcharge on the excursion on September 7, 2013	US\$40
Fee for the post-conference tour to the Eastern part of the country	US\$120

NOTE: The registration fee includes conference attendance, conference materials, banquet, lunches and refreshments on September 5-6 BUT does not include international transportation to and from Chiang Rai *and* accommodation fee that participants will pay to the hotel directly. Accommodation is arranged at three hotels in Chiang Rai; approx. rates/day are: (1) Le Méridien, US\$130/day; (2) Dusit, US\$70; (3) Rimkok, US\$40, with transportation between hotels provided. Accommodation for September 7 and 8 (and also September 9 if needed) will be approx. US\$40-50/night. All rates are for single/double, with breakfast.

Important dates

Abstract submission due	March 15, 2013
Notification of abstract acceptance	March 30, 2013
Deadline of the draft paper	May 1, 2013
Notification of draft paper acceptance	June 15, 2013
Final paper submission due	July 15, 2013
Notification of paper acceptance	August 1, 2013
Conference date	September 4-7, 2013
Post-conference excursion to the East	September 8-9, 2013

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REGISTRATION FORM

The 2nd WASWAC World Conference: THE THREATS TO LAND AND WATER RESOURCES IN THE 21ST CENTURY: PREVENTION, MITIGATION AND RESTORATION (LANDCON 1309)
September 4-7, 2013, Le Méridien Chiang Rai Resort, Chiang Rai, Thailand

Please complete all fields using BLOCK LETTERS

Title: | Mr. | Mrs. | Ms. | Prof. | Assoc. Prof. | Asst. Prof. | Dr. | Others.....
 First Name..... Last name.....
 Country.....Address.....

Tel:..... Fax:.....

Email(s): (1)..... (2).....

Name in English that you would like to see on your conference badge (First letter of first name and last name at 10 letters maximum).....

I would like to present ☐ an oral paper, ☐ a poster paper, ☐ none. Proposed title

I would like to pay the Early bird REGISTRATION FEE ☐ US\$250 (or ☐ US\$200 as international student with proof) (or ☐ US\$300 & ☐ US\$250, respectively, for the 'regular registration fee' from August 1, 2013 onward.) NOTE: The 2nd paper presentation fee: US\$50

☐ I would like to pay the fee for one accompanied person (Name) US\$150

☐ I would like to pay the surcharge for the excursion on **September 7, 2013:** US\$40

☐ I would like to pay for the post-conference tour, **September 8-9, 2013** — US\$120

Total amount to pay US\$

Please send the completed registration form to: Department of Civil Engineering, Faculty of Engineering, Thammasat University, Khlong Luang, Pathum Thani 12121, Thailand. Tel. (66-2) 5643001-9 Ext. 3047, 3039, Fax. (66-2) 5643022, E-mails (please send to both): admin@wreeit.org & sombatpanit@gmail.com; more info in www.wreeit.org & www.waswac.org

Some information about Chiang Rai Province (From Wikipedia – Free Encyclopedia)



The city of Chiang Rai has a population of around 62,000 and is the main commercial centre serving the Golden Triangle border region of Thailand, Myanmar and Laos. It is an excellent base for exploring the region. Chiang Rai is essentially a service city for the surrounding province. It has a relatively small population of 200,000 people, but also has a respected university and other civic facilities. The character is distinctly Northern and is distinct to Chiang Mai to the southwest in various ways. The food is definitely spicier and the ethnic composition includes a good percentage of hill tribes and Myanmar exiles such as various tribes of Karen people.

Following are some important sites.



From left to right, top to bottom: Wat Phra Singh; Wat Ming Mueang; Wat Rong Khun; Oob Kham Museum; Emblem of Chiang Rai Province; Flower Garden at Doi Tung Palace; Harvest of Tea at Doi Mae Salong; Late Afternoon Scene at Doi Hua Mae Kham; Poo Chee Fah cliff at the Laotian Border

More information is available at http://wikitravel.org/en/Chiang_Rai; http://siamteas.com/?page_id=881
Le Méridien Chiang Rai Resort: <http://2g.pantip.com/cafe/blueplanet/topic/E9660558/E9660558.html>

 <http://www.facebook.com/samran.sombatpanit>; <http://www.waswac.org>

For more information, please write to sombatpanit@gmail.com.

This conference is organized under the auspices of



The Engineering Institute of Thailand
Under H.M. The King's Patronage
วิศวกรรมสถานแห่งประเทศไทย ในพระบรมราชูปถัมภ์