



East and Southeast Asia Federation of Soil Science Societies

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# Newsletter 15

## November 2009

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ESAFS Office in Korea



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# Report of the 9<sup>th</sup> ESAFS Meeting

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## The 9<sup>th</sup> International Conference of the East and Southeast Asia Federation of Soil Science Societies (ESAFS9)

**Main Theme:** Soils as a Convergent Technology in Tandem with Human and Ecosystem Health

**Organizer:** The Korean Society of Soil Science and Fertilizer

**Date:** October 27-30, 2009

**Venue:** Seoul Olympic Parktel Hotel

The Korean Society of Soil Science and Fertilizer (KSSSF) hosted the 9<sup>th</sup> ESAFS meeting on October 27~30, 2009 in Seoul, Korea. The topic of the 9<sup>th</sup> ESAFS meeting was 'Soils as a Convergent Technology in Tandem with Human and Ecosystem Health' in which six hundred and fifty-one participants (109 foreign and 542 domestic participants) from 20 different countries mainly from ESAFS member countries visited Korea to attend the meeting and field trip. During the 4 days' conference, the participants shared their knowledge and research outcomes through overall 303 papers including 98 oral and 205 poster presentations and took beneficial information for future researches toward improving soil science.



<Representatives from ESAFS member countries and invited speakers>



<Main hall and participants for the meeting>

### Welcoming Addresses

On October 27, 2009, the 9<sup>th</sup> ESAFS conference started with opening address by Dr. Doug Young Chung, the general chair of ESAFS 2009. After this, welcome address was presented by Dr. Ki Cheol Eom, the president of KSSSF and followed by congratulatory remarks by Jae-Soo Kim, the administrator of the rural development administration (RDA). In the welcome address, Dr. Eom said that the members of ESAFS played very important roles through accomplishing advanced technologies relevant to soil and agriculture. He emphasized the roles of ESAFS to lead in promoting scientific activities in agricultural field and this should be go forward through harmonization of the different scientific cultures. Mr. Kim, the administrator of RDA said that '*Soil is an important element of the ecosystem and also a medium linking air, water and life playing significant roles for food*

*production and environment conservation.* Then he pointed out that the soil science has been challenged to be reborn as a new discipline converging BT (biotechnology), IT (information technology), NT (nano technology), and ET (environmental technology).

*'The ESAFS, established in 1990, has accomplished the most important functions assigned to our soil related to substantiality of soil fertility and productivity with efficient use of nutrients and water, and protection of global and regional environments, in collaboration with scientists throughout ESAFS countries as well as abroad. In view of the rapidly advancing frontiers of science and technology, and the increasing importance of international collaboration, I strongly felt that our society should play a leading role in promoting scientific activities in a worldwide form. We intend to promote harmony between different scientific cultures through the establishment of new programmers at ESAFS.'* [in welcome address by Dr. Eom; October 27, 2009]

### **Plenary and invited lectures**

On the first day of the conference, two plenary lectures, four invited lectures, and activity reports from 12 ESAFS member countries were carried out. ESAFS business meeting was also held in Baek-Je Restaurant during the lunch time.

The first plenary lecture was given by Dr. Alfred Hartemink of Wageningen University, the Netherlands. His talk entitled in 'The upsurge of soil science and the new global soil map' delivered the importance and information of a new digital soil map of the world using state-of-the-art and emerging technologies for soil mapping and predicting soil properties. In his talk Dr. Hartemink mentioned that soils have been brought back onto the global research agenda due to the global issues including climate change, water scarcity, environment degradation, increased agriculture production for food, feed, and fuel.

In the second plenary lecture, the soil cartoon published in weekly serials in *The Farmers Newspaper* in Korea was introduced by Dr. Kye-Hoon Kim, University of Seoul, Korea. The cartoon was originally drawn by Dr. Hae-Nam Hyun, Jeju National University, Korea who introduced cartoon as teaching material of soil sciences for students and farmers. Major contents covered in the cartoons were terminology, nutrient uptake, pH, salt accumulation, moisture, pollution, chemical fertilizer, compost and other general aspects of soils.



<Plenary lecture by Dr. Alfred Hartemink>



<Plenary lecture by Dr. Kye-Hoon Kim>

Following the plenary lectures, the invited lectures listed below was continued.

- Digital Soil Mapping and Assessment (Dr. Alex McBratney, Australia)
- Potential of Nanotechnology in Environmental Soil Science (Dr. Sridhar Komarneni, USA)
- Genetic Engineering of Poplar Trees for Phytoremediation (Dr. Young-Sook Lee, Korea)
- Reuse of Sludge Using Radiation Fusion Technology (Dr. Seung-Ho Yoo, Korea)

The first day schedule was ended with welcome dinner. During the welcome dinner, The Korean Society of Soil Science and Fertilizer (KSSSF) provided a wide diversity of food and B-boy performance joined with Nanta (a unique drum-like Korean performance) for the attendants in the 9<sup>th</sup> ESAFS conference.



<B-boy performance>



<Nanta performance>

### ***Symposium sessions***

On the second day of the conference, oral presentations of each symposium session were preceded as planned in eight different venues.

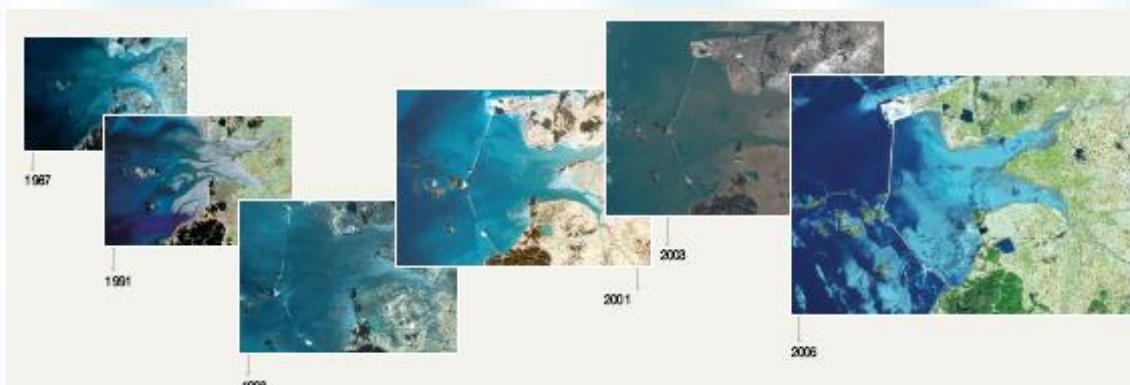
Table 1. The symposium topics and the number of presentations during the 9<sup>th</sup> ESAFS conference

Symposium	Topic	Number of presentations	
		Oral	Poster
Symposium I	Plant Nutrition and Human Welfare	18	37
Symposium II	Asia-centric Soil Informatics	18	13
Symposium III	Soil Engineering and Technology for Human and Ecosystem Health	6	34
Symposium IV	Challenges to Soil Degradation Towards Sustain Life and Environment	9	31
Symposium V	Soil Biology as a Catalyst for Bridging Production and Human Well-being	5	26
Symposium VI	Paddy Soils: Better Performances for Human and Ecosystem Health	8	26
Symposium VII	Climate Change: Impacts and Future Paradigm Agriculture, Human Ecosystem Health	9	9
Symposium VIII	National Soil Testing Consortium Conference	9	-
SSEHP	Soil and Environmental Health	-	29

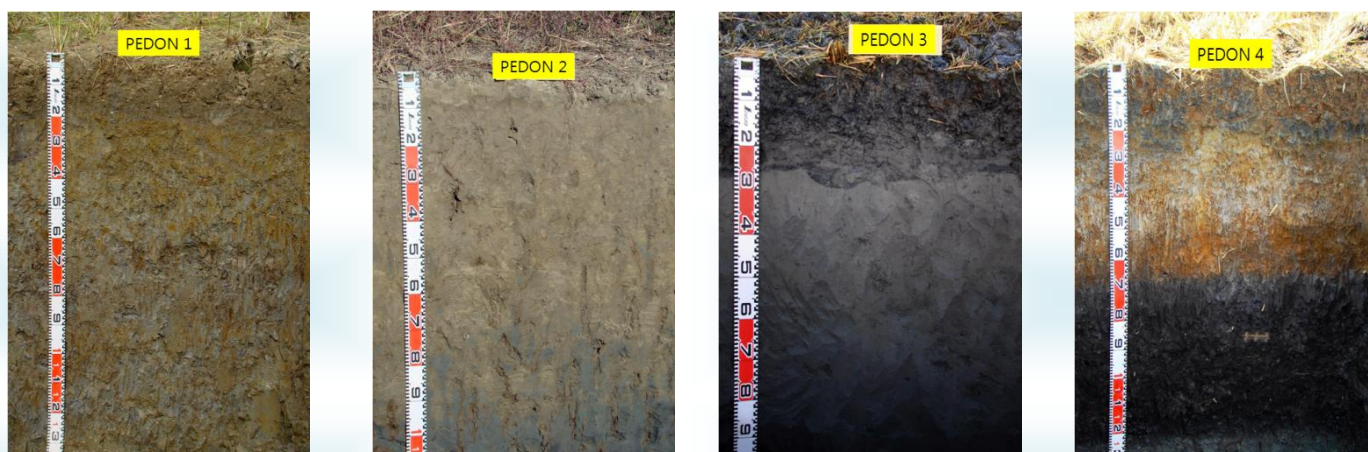


## Technical Field Tour

A technical field tour was an official event scheduled on the third and fourth days of the conference. During the technical tour, the attendants visited Saemangeum reclaimed field and observed four unique soil pedons developed in reclaimed tidal area in Korea. The participants experienced the Korean tradition and cultures in Jeonju Traditional Culture Center and Jeonju-City Hanok Village where they enjoyed learning Korean traditional musical instruments and food. They stopped by several national institutes relevant to agriculture field including RDA (the Rural Development Administration) which is the central government organization responsible for extensive agricultural research and services in Korea.



<Birds-eye-view of the changes in Saemangeum Reclaimed Field from 1987 to 2006>



<Soil profiles observed in the reclaimed field in Korea>



<Post-Conference Field Trip to reclaimed areas in Iksan, Buan, Gimje of Korea>



<Visiting Rural Development Administration (RDA) during excursion tour>

### **ESAFS Awards**

During the conference, two personal members, Dr. Zueng-Sang Chen, National Taiwan University, Taiwan and Dr. Jianmin Zhou, Institute of Soil Science, Chinese Academy of Sciences, Nanjing, China received the ESAFS Award. Unfortunately, Dr. Zhou was not able to participate in the conference and hence, Dr. Xin Jiang, Deputy Director General, Institute of Soil Science, Chinese Academy of Sciences Institute received the award on behalf of Dr. Zhou. ESAFS award was established in 2007 for the first time to honor a scientist who showed exemplary/distinguished contributions to the development/achievement of ESAFS. The ESAFS awardee is voted by each society representative during the official business meeting and in the 9th ESAFS, the excellent contributions made by Dr. Chen and Dr. Zhou were acknowledged by the ESAFS member societies. This was the 2nd ESAFS award. The first ESAFS award was given to Dr. kazutake Kyuma, Japan in 2007.



<2<sup>nd</sup> ESAFS Awardee, Dr. Zueng-Sang Chen, National Taiwan  
Uni. Taiwan>



<2<sup>nd</sup> ESAFS Awardee, Dr. Jianmin Zhou, Institute of Soil  
Science, China>

## ***Business Meeting of the 9th ESAFS at Seoul, Korea***

Date: October 27, 2009

Venue: Baek-Je Restaurant, Olympic Parktel

The attendees of the official business meeting during the period of the 9<sup>th</sup> international conference of ESAFS on Soils as a Convergent Technology in Tandem with Human and Ecosystem Health held at Seoul, Korea are as follows:

Dr. Ki-Cheol Eom	Korea
Dr. Kye-Hoon Kim	Korea
Dr. Jae E. Yang	Korea
Dr. Doug Young Chung	Korea
Dr. S. M. Imamul Huq	Bangladesh
Dr. Xin Jiang	China
Dr. A. K. Singh	India
Dr. Yuswanda A. Temenggung	Indonesia
Dr. Takuji Ohyama	Japan
Dr. Lulie Melling	Malaysia
Dr. Danilo M. Mendoza	The Philippines
Dr. SHA de Silva	Sri Lanka
Dr. Zueng-Sang Chen	Taiwan
Dr. Santhad Rojanasoonthon	Thailand
Dr. Vu Nang Dzung	Vietnam

Dr. Doug Young Chung, chairman of the organizing committee for the 9<sup>th</sup> ESAFS conference, chaired the meeting. The following are the summary of the meeting.

- (1) Activities done by ESAFS since last meeting was reported and activities that need to be carried out during this term (2009-2011) were discussed.
- (2) President for the term 2009-2011, Dr. Ki Cheol Eom was addressed.
- (3) The Office of the Federation for the next term (2009-2011) was discussed. After discussion, Soil Science Society of Sri Lanka (SSSSL) was decided to hold the Office of the Federation for the next term.
- (4) The 2<sup>nd</sup> ESAFS awardees were decided by ballot. There were two nominees, Dr. Zueng-Sang Chen of Taiwan and Dr. Jianmin Zhou of China. Both of the nominees were decided as the 2<sup>nd</sup> ESAFS awardees.





## The 20<sup>th</sup> World Congress of Soil Science

June 8 – 13, 2014    ICC JEJU, Jeju, Korea    [www.20wcscs.org](http://www.20wcscs.org)

The 20th World Congress of Soil Science (20WCSS) will be held at the ICC JEJU, Korea, from June 8-13, 2014.

WCSS has been held quadrennially since 1927 as a scientific meeting in the field of soil science. As the most highly acclaimed meeting of its field, the 20WCSS will gather a large number of scientists and industries together with over 2,500 expected participants from more than 100 countries from around the world.

Under the theme of "Soils Embrace Life and Universe", all the participants from around the world will discuss up-to-date knowledge, recent research results and technological advances in the broad areas of soils sciences. During the congress, various scientific programs will be organized, and participants will have a great networking opportunity with internationally prominent scholars, specialists and researchers through diverse social activities.

### [Overview]

<b>Title</b>	20th World Congress of Soil Science (20WCSS)
<b>Theme</b>	Soils Embrace Life and Universe
<b>Period</b>	June 8(Sun)-13(Fri), 2014
<b>Venue</b>	ICC JEJU, Korea
<b>Host</b>	Korean Society of Soil Science and Fertilizer, Rural Development Administration, International Union of Soil Sciences (IUSS)
<b>Support</b>	Ministry of Agriculture, Food and Rural Affairs
<b>Homepage</b>	<a href="http://www.20wcscs.org">www.20wcscs.org</a>
<b>Scale</b>	No. of Participants: 2,500 attendees from more than 100 countries No. of Booths: 40 booths
<b>Program</b>	Opening & Closing Ceremony, Symposia, Poster Presentations, Exhibition, Welcome Reception, Gala Dinner, Technical Tour, Pre & Post Tour
<b>Key Dates</b>	- Deadline for Abstract Submission: October 31, 2013 - Notification of Abstract Acceptance: January 15, 2014 - Deadline for Early Registration: March 20, 2014 - Deadline for Regular Registration: May 20, 2014
<b>Secretariat</b>	20WCSS Secretariat 1F Haeoreum Bldg., 748-5 Yeoksam-dong, Gangnam-gu Tel +82-2-566-5058, +82-2-557-8422~3    Fax +82-2-566-6087 E-mail <a href="mailto:wcscs@20wcscs.org">wcscs@20wcscs.org</a>

\*Sign up for 20WCSS to get the latest updates in [www.20wcscs.org](http://www.20wcscs.org).



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# The Member Societies

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## Bangladesh

President of the soil science society of Bangladesh  
imamh@btcl.net.bd

## Malaysia

President of the soil science society of Malaysia  
amiryasak@gmail.com  
husni@agri.upm.edu.my

## China

President of the soil science society of China  
iss@issas.ac.cn

## The Philippines

President of the soil science society of the Philippines  
danm1123@yahoo.com.ph  
dan.mendoza1123@gmail.com

## India

President of the soil science society of India  
rkrattan1@yahoo.com  
bkassac@gmail.com  
drb\_ssac@yahoo.com

## Sri Lanka

President of the soil science society of Sri Lanka  
srimathipi@yahoo.ca  
srimathii@pdn.ac.lk  
prisinghe@gmail.com  
smaraikar@yahoo.com

## Indonesia

President of the soil science society of Indonesia  
the secretary@esafs11ina.org  
esafs11ina@yahoo.com

## Taiwan

President of the soil science society of Taiwan  
yshen@nchu.edu.tw

## Japan

President of the soil science society of Japan  
kosakit8@tmu.ac.jp

## Thailand

President of the soil science society of Thailand  
irbs@ku.ac.th

## Korea

President of the soil science society of Korea  
ksssf249@naver.com

## Vietnam

President of the soil science society of Vietnam  
vsss1991@yahoo.com.vn