International Conference
Advancing the Science and Technology of Soil Information in Asia —
Launch of the Global Soil Partnership’s Asia Soil Science Network and
GlobalSoilMap.net East Asia Node
8-11 February, 2012, Nanjing, China

ORGANIZERS
State Key Laboratory of Soil and Sustainable Agriculture
Institute of Soil Science, Chinese Academy of Sciences
The Sino-EU Panel on Land and Soil (SEPLS)
United Nations Food and Agriculture Organization
GlobalSoilMap.net

SPONSORS
Technical Program

Day 1: Tuesday, February 7, Jiuhua Hotel

12:00-20:00  Registration
19:00-20:00  Ice-breaking, drinks and snacks (VIP Lounge, 1st Floor)

Day 2: Wednesday, February 8, Jiuhua Hotel

The Grand Conference Room, 3rd Floor

Session 1: Opening Ceremony and Plenary Addresses (08:30 – 12:00)

Session Chair: Renfang SHEN and Ganlin ZHANG (Institute of Soil Science, Chinese Academy of Sciences)

08:30-09:00  Welcoming Remarks
- Chinese Academy of Sciences
  Deputy Bureau Chief, CAS, Prof. Huasheng QIU
- The Ministry of Science and Technology of China
  Division Chief, Dr. Jie XU
- National Natural Science Foundation of China
  Division Chief, Prof. Yinglan ZHANG

09:00-09:30  The Global Soil Partnership by FAO
  Ronald VARGAS (FAO Land and Water Division)
09:30-10:00  Global soil mapping by GlobalSoilMap.net
  Neil MCKENZIE (CSIRO Land and Water)

10:00-10:30  Group Photo Taking & Tea Break

10:30-11:00  ISRIC’s role in a digitizing world facing scarcity of natural resources
  Prem BINDRABAN (International Soil Reference and Information Centre)
11:00-11:30  The Oceania Node: progress towards multi-functional soil information
  Michael GRUNDY (CSIRO Ecosystem Sciences)
11:30-12:00  The European Soil Data Centre  
Gergley TOTH (European Commission, Joint Research Centre, Institute for Environment and Sustainability)

12:00-14:00  Lunch & Break

Session 2: Country Presentations (14:00 – 15:40)

Session Chair: Srimathie INDRARATNE (Senior Professor, Department of Soil Science, Faculty of Agriculture, University of Peradeniya; President of Soil Science Society of Sri Lanka)

14:00-14:25  Land and soil resources database for grass-root agricultural development in Bangladesh  
S.M. Imamul HUQ and A.F.M. Manzurul HOQUE (Department of Soil, Water and Environment, University of Dhaka; Senior Scientific Officer, Soil Resources Development Institute)

14:25-14:50  Values of soil and land management education, experiences from Bhutan  
Chencho NORBU (Department of Agriculture, Ministry of Agriculture and Forests)

14:50-15:15  Legacy soil data from China national soil survey  
Weili ZHANG (Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences)

15:15-15:40  Soil database of China and carbon dynamics at regional scale  
Xuezheng SHI (Institute of Soil Science, Chinese Academy of Sciences)

15:40-16:00  Tea Break

Session 3: Country Presentations (16:00 – 17:40)

Session Chair: Silvino TEJADA (Executive Director, Bureau of Soils and Water Management, Philippines)

16:00-16:25  Soil information system of Taiwan soils and its applications  
Zueng-Sang CHEN (Department of Agricultural Chemistry, National Taiwan University)

16:25-16:50  Policy and development of agricultural land resources mapping in Indonesia: experiences, achievements and impacts  
Muhrizal SARWANI (Indonesian Center for Agricultural Land Resource Research and Development)
16:50-17:15 The status, research progress, and new application of soil inventory system in Japanese agricultural land
Yusuke TAKATA (Natural Resources Inventory Center, National Institute for Agro-Environmental Sciences)

17:15-17:40 Forest soils in Japan, and its state of development of soil information infrastructures
Satoru MIURA (Department of Forest Site Environment, Forestry and Forest Products Research Institute)

18:00-20:00 Welcoming Dinner at Taiping Shengshi Restaurant

Day 3: Thursday, February 9, Jiuhua Hotel
VIP Lounge, 1st Floor

Session 1: Country Presentations (08:30 – 09:45)
Session Chair: Aniruth POTICHAN (Land Development Department, Ministry of Agriculture and Cooperatives)

08:30-08:55 Soil mapping of Mongolia
Ochirbat BATKHISHIG (Soil Science Department, Institute Geography, Mongolian Academy of Sciences)

08:55-09:20 Land use changes and land management in North Korea
Pyongsop RI and Chol Hyok Kang (Institute of Remote Sensing and Geo-informatics, Democratic People's Republic of Korea Academy of Sciences)

09:20-09:45 Status of digital soil mapping in the Bureau of Soils and Water Management of Philippines
Silvino TEJADA and Rodelio CARATING (Bureau of Soils and Water Management)

09:45-10:00 Tea Break

Session 2: Country Presentations (10:00 – 12:05)
Session Chair: A.F.M. Manzurul HOQUE (General Secretary, Soil Science Society of Bangladesh and Senior Scientific Officer, Soil Resources Development Institute)
10:00-10:25 Soil and environmental information system of Korea
Suk-Young HONG (National Academy of Agricultural Science, RDA)

10:25-10:50 Present status and future needs of soil database development in Sri Lanka
Ranjith MAPA and Srimathie INDRARATNE (Department of Soil Science, Faculty of Agriculture, University of Peradeniya)

10:50-11:15 Soil maps and soil information of Thailand
Aniruth POTICHAN (Land Development Department, Ministry of Agriculture and Cooperatives)

11:15-11:40 Using soil information for agricultural production in Vietnam
Tien Minh TRAN (Soil Genesis and Classification Research Department, Soils and Fertilizers Research Institute)

11:40-12:05 Using Kriging combined with categorical information of soil maps for interpolating soil properties
Dar-Yuan LEE (Department of Agricultural Chemistry, National Taiwan University; Chinese Society of Soil and Fertilizer Sciences)

12:05-14:00 Lunch & Break

Session 3: New Perspectives of Soil Information Research (14:00 – 15:30)
Session Chair: Michael GRUNDY (CSIRO Ecosystem Sciences)

14:00-14:30 Soil mapping goes digital - the Globalsoilmap experience
Alex MCBRATNEY (Faculty of Agriculture, Food & Natural Resources, University of Sydney)

14:30-15:00 Soil mapping in the digital era: narrowing the digital divide
A-Xing ZHU (Department of Geography, University of Wisconsin -Madison)

15:00-15:30 Global soil information facilities – current status and the way forward
Hannes REUTER (International Soil Reference and Information Centre)

15:30-16:00 Tea Break

Session 4: New Perspectives of Soil Information Research (16:00 – 18:00)
Session Chair: Dar-Yuan LEE (Department of Agricultural Chemistry, National Taiwan University; President of Chinese Society of Soil and Fertilizer Sciences)
16:00-16:30 Predicting and mapping soil properties using proximal / remote sensing
Zhou SHI (Institute of Agricultural Remote Sensing & Information Application, Zhejiang University)

16:30-17:00 The soil – a producer of food and biofuels. Is this possible in the future?
Stephen NORTCLIFF (Soil Research Centre, Department of Geography and Environmental Sciences, School of Human and Environmental Sciences, University of Reading)

17:00-17:30 Environmental policies and social impacts with regard to land and soil management
Winfried BLUM (University of Natural Resources and Applied Life Sciences (BOKU))

17:30-18:00 Needs and options on how to organize international, interdisciplinary scientific advice to support the implementation of the aims of the UNCCD - Summary of an international scientific e.consultation
Mariam AKHTAR-SCHUSTER (University of Hamburg)

18:00-19:00 Dinner

19:30-21:00 Chinese culture activities

Day 4: Friday, February 10, Jiuhua Hotel

VIP Lounge, 1st Floor

Session 1: Launch of GSP’s Asian Soil Science Network (08:30 – 12:00)

Session Chair: Ronald VARGAS (FAO Land and Water Division (NRL)) and Renfang SHEN (Institute of Soil Science, Chinese Academy of Sciences)

08:30-09:00 Global Soil Partnership Asia Soil Science Network
Ronald VARGAS (FAO Land and Water Division (NRL))

09:00-09:45 Soil information available in Asia countries and regions
Pakistan / Nepal / LAO / Myanmar …who did not show in the sessions above:
Attar Khan JARWAR (Soil Survey of Punjab, Pakistan)
Yajna Gajadhar KHADKA (Soil Science Division, Nepal)
09:45-10:00  Tea Break
10:00-11:00  Brainstorming about needs that the GSP should address in Asia
11:00-12:00 Discussion on achieving collaborative agreement for building Asian Soil Science Network
12:00-14:00 Lunch & Break

Session 2: Launch of GSM East Asia Node (14:00 – 17:30)
Session Chair: Neil MCKENZIE (CSIRO Land and Water, Australia) and Suk-Young HONG (National Academy of Agricultural Science, RDA, Korea)

14:00-14:30  GlobalSoilMap.net project Specification and More
Neil MCKENZIE (CSIRO Land and Water, Australia)

14:30-15:00  GlobalSoilMap.net East Asia Node: objectives, status and strategy
Ganlin ZHANG (Institute of Soil Science, Chinese Academy of Sciences)

15:00-16:00  Brainstorming about the development of digital soil mapping techniques in Asia countries and regions

16:00-16:30  Tea Break
16:30-17:30  Discussion on achieving node consortium agreement

18:00-20:00 Dinner

Day 5: Saturday, February 11, Jiuhua Hotel

Parallel Session A: Building Asia Soil Information System (08:30 – 17:30)
VIP Lounge, 1st Floor

Participants: Asia countries and regions

08:30-09:00  Introduction
Ronald VARGAS (FAO Land and Water Division (NRL))

09:00-09:30  Implementation strategy of the LoA
Ganlin ZHANG (Institute of Soil Science, Chinese Academy of Sciences)
09:30-12:00  Discussion on status of soil information of Asia countries and regions, and the way forward for building regional soil information system

12:00-14:00  Lunch & Break

14:00-17:30  Continued discussion

**Parallel Session B: Field or City Tour (08:30 – 17:30)**

Participants: who are not involved in Asia Soil Information System

08:30-12:00  Field Tour for soil pits

14:00-17:30  City Tour

**Contact Details**

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