



**The second international Workshop within the project
“Development of expert systems based on large-scale soil-
geographic databases”**

December 3-8, 2018, Land Development Department of the Ministry of
Agriculture and Cooperatives, Bangkok, Kingdom of Thailand

Program of the second Workshop

Participants:

 Kingdom of Thailand	
Mr. Satira Udomsri	Expert level on Soil Survey and Classification, Land Development Department
Mr. Kridsopon Duangkamol	Soil surveyor, Senior Professional Level, Land Development Department
Mr. Wattana Pattanathaworn	Soil surveyor, Professional Level, Land Development Department
Ms. Likhit Pollayos	Soil surveyor, Professional Level, Land Development Department
 Russian Federation	
Dr. Irina O. Alyabina	Professor, Department of geography of soils, Faculty of soil science, Lomonosov Moscow State University
Dr. Oleg M. Golozubov	Leading researcher, Department of geography of soils, Faculty of soil science, Lomonosov Moscow State University
Dr. Vasilisa A. Kirillova	Research Officer, Department of geography of soils, Faculty of soil science, Lomonosov Moscow State University
Dr. Iurii A. Litvinov	Research Officer, Department of geography of soils, Faculty of soil science, Lomonosov Moscow State University
Mr. Alexander A. Martynov	Research Assistant, Department of geography of soils, Faculty of soil science, Lomonosov Moscow State University

 Republic of the Union of Myanmar	
Dr. Su Su Win	Director, Soil Science, Water Utilization and Agricultural Engineering Division, Department of Agricultural Research
Dr. Aung Kyaw Thu	Senior Research Assistant, Water Utilization Research Section, Department of Agricultural Research
Dr. San Hla Htwe	Staff Officer and Section Head, Pyin Oo Lwin Land Use Department
Mr. Nyi Nyi Latt	Assistant Director (Statistics), Department of Agricultural Land Management and Statistics
 Experts (Kingdom of Thailand)	
Dr. Pittayakorn Limthong	Thailand National Focal Point (GSP-Global Soil Partnership)
Ms. Ruamporn Moonjun	Soil Surveyor, Senior Professional Level
Dr. Chisanucha Buddhaboon	Director of Ubon Ratchathani Rice Research Center
Mr. Weera Patakheenung	Photogrammetrist, Practitioner Level
Mr. Attaya Phinchongsakuldit	Expert level on Soil Interpretation and Productivity
Dr. Aunnop Puttaso	Agronomist, Senior Professional Level
Mr. Wisit Ngamsom	Policy and Plan Analyst, Senior Professional Level
Assoc. Prof. Dr. Kumut Sangkhasila	Kasetsart University
Ms. Nopmanee Suvannang	Soil Chemistry Expert, Global Soil Laboratory (GLOSOLAN) Chair person
Dr. Natta Takrattanasaran	Soil Surveyor, Senior Professional Level
Dr. Noppadon Khiripet	National Electronics and Computer Technology Center

Organizers of the international Workshop:

Alyabina Irina Olegovna: Project manager, Professor of Department of geography of soils of Faculty of Soil Science of Lomonosov Moscow State University, Doctor of Biological Science

Golozubov Oleg Modestovich: The technical project manager, Leading researcher of Department of geography of soils of Faculty of Soil Science of Lomonosov Moscow State University, PhD

Kirillova Vasilisa Alekseevna: The assistant manager of the project, Researcher of Department of geography of soils of Faculty of Soil Science of Lomonosov Moscow State University, PhD

Satira Udomsri: Expert level on Soil Survey and Classification, Land Development Department of the Ministry of Agriculture and Cooperatives, Kingdom of Thailand

Dr. Pittayakorn Limthong: Thailand National Focal Point (GSP-Global Soil Partnership)

Monday December 3, 1st day:
Official opening of a workshop and speeches of experts

Time	Topic	Responsible
08:30 - 09.00	Registration of participants of a workshop	Land Development Department (LDD), Bangkok
09.00 - 09.30	Opening Ceremony	Dr. Sathaporn Jaiarree, Director of Soil Resources Survey and Research Division, LDD
09.30 - 10.00	ASP activity in Thailand	Dr. Pittayakorn Limthong (ASP chair)
10.00 - 10.30	Coffee break	
10.30 - 11.15	Digital soil mapping	LDD (Ms. Ruamporn Moonjun)
11.15 - 12.00	Precision Agriculture	Dr. Chisanucha Buddhagoon (Rice Research Center)
12.00 - 12.45	LDD application	Mr. Weera Patakheenueng (LDD)
12.45 - 13.45	Lunch	
13.45 - 15.30	Excursion across LDD (Soil Museum, Land use Planning and Policy, Soil Laboratory, Soil Biotechnology)	LDD staff
15.30 - 16.00	Coffee break	
16.00 - 16.45	Fertilizer application	Mr. Attaya Phinchongsakuldit (LDD)
16.45 - 17.30	Status of Soil carbon in Thailand	Dr. Aunnop Puttaso (LDD)
17.30 - 18.15	Digital soil mapping of cation exchange capacity using electromagnetic induction techniques in the Northern Thailand	John Triantafilis, BScAgr PhD (Sydney)
stay overnight at Maruay Garden Hotel		

Tuesday December 4, 2nd day
Speeches of experts and practical training

Time	Topic	Responsible
09.00 - 09.45	Land degradation neutrality targets and measures under UNCCD implementation in Thailand	Mr. Wisit Ngamsom (LDD)
09.45 - 10:30	Agri-Map online	Dr. Noppadon Khiripet (National Electronics and Computer Technology Center)

10.30 - 11.00	Coffee break	
11.00 - 11.45	Geo-statistics for crop production	Dr. Kumut Sangkhasila (Kasetsart University)
11.45 - 12.30	Standardization and harmonization of soil analysis, results for agricultural development. A case study from GLOSOLAN and SEALNE	Ms. Nopmanee Suvannang (Global Soil Laboratory)
12.30 - 13.30	Lunch	
13.30 - 14.15	Soil survey and Land use planning in large scale mapping	Dr. Natta Takrattanasaran (LDD)
14.15 - 15.00	Round table	All participants
15.00 - 15.30	Coffee break	
15.30 - 17.30	Fourth Working Session International Network of Soil Information Institutions (INSII) 6-8 November 2018 FAO HQ – German Room FAO HQ Rome, Italy (Event info)	Dr. Oleg Golozubov (MSU)
stay overnight at Maruay Garden Hotel		

Wednesday December 5, 3rd day
World Soil Day Activities

Time	Topic	Responsible (Venue)
08:00 - 09.00	Depart for The Golden Jubilee Museum of Agriculture, Pathum Thani Province	LDD staff
09.00 - 12.00	Attend the Opening Ceremony of World Soil Day 2018	ASP staff (The Golden Jubilee Museum of Agriculture Pathum Thani Province)
12.00 - 13.00	Lunch	
13.00 - 15.00	Participate the symposium and discussion under the topic “Be the Solution to Soil Pollution” in World Soil Day 2018	
15.00-17.30	Depart for Pakchong, Nakhon Ratchasima province	
18.30-20.00	Welcome Dinner hosted by LDD	LDD staff (Nakhon Ratchasima Province)
stay overnight at Pak Chong, Nakhon Ratchasima (LDD support the accommodation for all International participants)		

Thursday December 6, 4th day
Excursion at Achievement in Land Development Area and Learning Center

Time	Topic	Responsible
09.00-10.20	Attend the Opening Ceremony of Center of Excellence for Soil Research in Asia (CESRA) - A Keynote speech on “Role of CESRA for sustainable Soil management” by Deputy Minister of MINISTRY OF AGRICULTURE AND COOPERATIVES (Mr. Wiwat Salyakamthorn)	ASP staff (Pak Chong Soil and Water Conservation Research Center, Pak Chong, Nakhon Ratchasima Province)
10.20-12.00	International Seminar on the establishment of soil database and soil research for CESRA	

	Moderators: Ronald Vargas, GSP Secretariat Rosalud de la Rosa, FAO	
12.00 - 13.00	Lunch hosted by LDD	LDD staff
13.00 - 15.00	- Visit Soil and Water Conservation Education Center	LDD staff (Pak Chong Soil and Water Conservation Research Center, Pak Chong, Nakhon Ratchasima Province)
15.00 - 17.00	- Travel back to Bangkok	LDD staff
stay overnight at Maruay Garden Hotel		

Friday December 7, 5th day

Speeches of participant from Russia, a practical training, Summing up

Time	Topic	Responsible
08:30 - 09.00	Inventory, Preparation and Digitization of Soil Data	Iurii Litvinov, Vasilisa Kirillova, Alexander Martinov (MSU)
09.00 - 09.30	Soil Information Systems of Thailand	Mr. Satira Udomsri and Mr. Wattana Pattanathaworn (LDD)
09.30 - 10.00	Joint Planning of Third Seminar in Myanmar	Dr. Su Su Win (DAR)
10.30 - 11.00	Coffee break	
11.00 - 12.00	Summing up of the second Workshop and Closing the second Workshop	All participants
12.00 - 13.00	Lunch	
13.00 - 18.00	Depart to Bangkok - Excursion (GISTDA station)	LDD staff
18.00 - 21.00	A river trip along the Chao Phraya River / Dinner	LDD staff
stay overnight at Maruay Garden Hotel		

Saturday December 8, 6th day

Tour across Bangkok by bus group, walk on the Thai temple, Royal palace