



Research Center of Surface Soil Resources: Inventory and Integration (SSORii)

Asia-EC JRC Joint Conference 2017 on

“All That Soil Erosion: The Global Task to Conserve Our Soil Resources”

December 4~7, 2017

JW Marriott Hotel, Seoul, Korea

Programs

Organized by

- **Korea Ministry of Environment**
- **European Commission Joint Research Center (EC JRC)**
- **Korea Environmental Industry and Technology Institute (KEITI)**
- **Research Center of Surface Soil Resources: Inventory and Integration (SSORii)**

Sponsored by

- **Korean Society of Soil and Groundwater Environment**
- **Korean Society of Soil Science and Fertilizer**

Program (December 4th, 2017, Monday)

Welcome Reception

- Meet at the Hotel Lobby at 6:00 pm
- All foreign participants are invited to join at the welcome reception
- Participants will be escorted to the reception place by the conference crew

Program (December 5th, 2017, Tuesday)

Marriott Hotel Grand Ballroom (5th Floor)

(*Invited Keynote Speakers)

Time	Presentation Titles	Speakers	Chair
Symposium I. Soil Policy on Soil Erosion at the National Level			
09:00 ~ 09:30	Registration		
09:30 ~ 09:35	Opening Speech	Jae Yang, Panos Panagos	Sung Chul Kim (Korea)
09:35 ~ 09:40	Welcome Speech	Park, J.W., Sa D.M.	
09:40 ~ 09:55	Soil erosion and conservation strategy in Korea	Jae Yang (Korea)*	
09:55 ~ 10:20	Soil erosion in Europe: Current status, challenges and future developments	Panos Panagos (EU)*	
10:20 ~ 10:45	The global significance of neglecting soil erosion for Earth's future	Adrian Chappell (United Kingdom)*	
10:45 ~ 10:55	Coffee Break		
10:55 ~ 11:10	Impact of land use dynamics on soil organic carbon in the agricultural soils of Bangladesh	Md. Jashim Uddin (Bangladesh)	Giha Lee (Korea)
11:10 ~ 11:25	How pixel size affects a sediment connectivity index in central Belgium	Vincent Cantreul (Belgium)	
11:25 ~ 11:40	New Technologies for Soil and Water Conservation in the Czech Republic	Miroslav Dumbrovsky (Czech Republic)	
11:40 ~ 11:55	Soil erosion and management policy in the upper region of the Han River	Man Sig Jun (Korea)	
11:55 ~ 12:10	Establishing policy towards sustainable soil management in South Korea	Sang-II Hwang (Korea)	
12:10 ~ 13:30	LUNCH		
13:30 ~ 13:55	TBD	Santiago Beguería Portugués (Spain)*	Sang-II Hwang (Korea)
13:55 ~ 14:10	A multiscale soil loss evaluation index	Wenwu Zhao (China)	
2017 World Soil Day (WSD) Celebration Ceremony			
14:10 ~ 15:40	2017 World Soil Day Celebration Ceremony (Programs will be announced separately in the proceeding book)		

Program (December 5th, 2017, Tuesday) (Continued)
Marriott Hotel Grand Ballroom (5th Floor) (*Invited Keynote Speakers)

Time	Presentation Titles	Speakers	Chair
Symposium I. Soil Policy on Soil Erosion at the National Level			
15:40 ~ 16:05	Possibility of soil erosion control concurrently enabling livelihood improvement - some cases in Africa	Ueru TANAKA (Japan)*	Zueng-Sang Chen (Taiwan)
16:05 ~ 16:20	Development of Sustainable Land Management (SLM) framework to Combat Desertification: the case of SATREPS-Ethiopia project	Nigussie Haregeweyn (Japan)	
16:20 ~ 16:35	Vulnerability assessment of soil erosion affected by climate change	Kang Ho Jung (Korea)	
16:35 ~ 16:50	Modeling Studies for Desertification and Soil Erosion Monitoring in Turkey	Ahmet Yalin YENER (Turkey)	
16:50 ~ 17:00	Coffee Break		
17:00 ~ 17:15	Reliability of soil erodibility estimation in areas outside the US: A comparison of erodibility for main agricultural soils in the US and China	Zhuodong Zhang (China)	Kyung Jae Lim (Korea)
17:15 ~ 17:30	Environmental Impact Assessment on Water Foot-Print for Rice	Seung Oh Hur (Korea)	
17:30 ~ 17:45	Development of sloping agricultural fields with soil degradation controls	Sang Soo Lee (Korea)	
17:45 ~ 18:00	Development and Application of Web GIS-based Soil Erosion and Soil Quality Information System	Dong Jun Lee (Korea)	
18:00 ~ 19:00	Adjourn		
19:00 ~ 21:00	<ul style="list-style-type: none"> • Social Dinner at the Korean Restaurant • Meet at the Hotel Lobby at 19:00 • Foreign participants are invited to join at the social event • Conference crew will guide you to the dinner place 		

Marriott Hotel Meeting Room (3rd Floor)

Time	Presentation Titles	Speakers
Poster Session		
December 5 th 16:00 ~ 18:00	Discontinuous gullies in Ethiopia: typology, morphology and evolution	Paolo Billi (Italy)
	Sediment yield variability: a case study from paired watersheds in the Upper Blue Nile basin, Ethiopia	Kindiye Ebabu (Ethiopia)
December 6 th 10:00~18:00	Watershed runoff response to soil and water management interventions in a tropical humid highland of Ethiopia	Dagnenet Sultan Alemu (Ethiopia)

Program (December 6th, 2017, Wednesday)

Marriott Hotel Meeting Room (3rd Floor)

(*Invited Keynote Speakers)

Time	Presentation Titles	Speakers	Chair
Symposium II. Soil Erosion: Process, Impact and Interaction with Environment and Human			
09:00 ~ 09:30	Registration		
09:30 ~ 09:55	As wind interacts with rain, water erosion processes vary	Gunay Erpul (Turkey)*	Panos Panagos (EU)
09:55 ~ 10:10	Soil quality under grazing grassland soil in Zoige area, China	Junfang CUI (China)	
10:10 ~ 10:25	Multiple-scale transport of fine sediment and associated phosphorus in a hilly catchment	Xiangyu Tang (China)	
10:25 ~ 10:40	Suspended Solids Export by the Outflowing Water from Irrigation Paddy Field during Rice Growing Season of Korea	Yong Seon Zhang (Korea)	
10:40 ~ 10:55	Coffee Break		
10:55 ~ 11:05	Application of ArcGIS-based Tool for Potential Soil Loss	Youn Shik Park (Korea)	Adrian Chappell (United Kingdom)
11:05 ~ 11:20	Wind Erosion Prevention Actions at the Saemangeum Reclaimed Tideland project	Seung-Heon Lee (Korea)	
11:20 ~ 11:35	Soil erosion and organic carbon management using polyacrylamide and biochar	Sang Soo Lee (Korea)	
11:35 ~ 11:50	Development of Watershed-based Surface Soil Information System based on Web GIS	Yun Soo Sung (Korea)	
11:50 ~ 13:30	LUNCH		

[Program \(December 6th, 2017, Wednesday\)](#)

Marriott Hotel Meeting Room (3rd Floor)

(*Invited Keynote Speakers)

Time	Presentation Titles	Speakers	Chair
Symposium III. Soil Erosion: Assessment, Modeling and Management			
13:30 ~ 13:55	Establishment of potential soil erosion map in western Taiwan and its best management strategies	Zueng-Sang Chen (Taiwan)*	Pasquale Borrelli (Switzerland)
13:55 ~ 14:10	Development of Korean Soil Loss Equation (KORSLE) and Arc GIS-based Sediment Assessment Tool for Effective Erosion Control	Youn Shik Park (Korea)	
14:10 ~ 14:25	A Study on the Installation Effect of settling basin for Reducing Soil Loss	Min Hwan Shin (Korea)	
14:25 ~ 14:40	GIS-based soil erosion modeling on territories with gaps in soil survey	Vasyl Cherlinka (Ukraine)	
14:40 ~ 14:50	Coffee Break		
14:50 ~ 15:15	RUSLE-based soil erosion modelling: From field to global-scale and back	Pasquale Borrelli (Switzerland)*	Gunay Erpul (Turkey)
15:15 ~ 15:30	A Study of Rainfall Kinetic Energy Equations based on climate classification	Junhak Lee (Korea)	
15:30 ~ 15:45	Developing a guidance for top-soil conservation in development projects	Tae Hum Kim (Korea)	
15:45 ~ 16:00	Sediment Yield from Ungauged Watersheds in South Korea	Seong Joon Byeon (Korea)	
16:00 ~ 16:10	Coffee Break		
16:10 ~ 16:35	Soil erosion control and assessment in hilly red soil region of Southern China	Dong-sheng Yu (China)*	Sung Chul Kim (Korea)
16:35 ~ 16:50	Soil Erosion of Shihmen Reservoir Watershed in Taiwan	Walter Chen (Taiwan)	
16:50 ~ 17:05	SSORii Erosion Model: Development and Applications	Giha Lee (Korea)	
17:05 ~ 17:30	Soil change detection using aerial imagery	Junku Park (Korea)	
17:30 ~ 17:40	Coffee Break		
17:40 ~ 18:00	Sweepstakes Lottery for many gifts including iPad Mini		
18:00 ~ 19:00	Adjourn		
19:00 ~ 21:00	Farewell Dinner <ul style="list-style-type: none"> • Meet at the Hotel Lobby at 19:00 • Foreign participants are invited to join at the social event • Conference crew will guide you to the dinner place 		

Program (December 7th, 2017, Thursday)

Field and Cultural Tours

- 08:00 ~ 09:00: Depart Hotel by Limousine Bus to Paju city (North bound)
- 09:00 ~ 12:00: Visit the Demilitarized Zone (DMZ), Incursion Tunnels and Dora Observatory (https://en.wikipedia.org/wiki/Korean_Demilitarized_Zone)
- 12:00 ~ 13:30: Lunch
- 13:30 ~ 14:30: Drive to Incheon
- 14:30 ~ 16:00: Visit the National Institute of Biological Resources, Ministry of Environment (<https://www.nibr.go.kr/eng/collect/collect01.jsp>)
- 16:00 ~ 17:00: Drive to Seoul
- 17:00 ~ 18:30:
- Visit Lotte World Tower (<https://www.lwt.co.kr/tower/en/main/main.do>) and shopping
- 18:30 ~ 20:00: Dinner
- 20:00 ~ 20:30: Return to Hotel

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- Schedules are subject to change based on climate, traffic congestion, and other conditions
 - In case of schedule change, it will be announced at the conference
 - Water, snack, lunch and dinner will be provided as a free of charge to participants
 - Participants who wish to participate in the tour should register to Dr. Kim Sung Chul (sckim@cnu.ac.kr)
 - Warm winter jacket, glove and hiking shoes are necessary for the tour
 - If you have question, please refer it to Dr. Kim, Sung Chul (sckim@cnu.ac.kr)