



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	Ji-Youn Kim, Panos Panagos	Jae Yang (Korea)
09:35~09:40	Welcome Speech	Jae Woo Park, Tong Min Sa	
09:40~09:55	Soil erosion and conservation strategy in Korea	Jae Yang (Korea)*	Sung Chul Kim (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	Wind Erosion Prevention Actions at the Saemangeum Reclaimed Tideland project	Seung-Heon Lee (Korea)	
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-Il Hwang (Korea)	
12:10~13:30	LUNCH		
13:30~13:55	Ongoing and emerging questions in soil erosion science	Santiago Beguería Portugués (Spain)*	Sang-Il Hwang (Korea)
13:55~14:10	New Technologies for Soil and Water Conservation in the Czech Republic	Miroslav Dumbrovsky (Czech Republic)	
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	Windbreaks plan for the Soil Conservation at the Saemangeum Reclaimed tideland	Seung-Heon Lee (Korea)	
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 of Korean Soil Loss Equation (KORSLE) and Arc GIS-based Sediment Assessment Tool for Effective Erosion Control	Youn Shik Park (Korea)	
18:00 ~ 19:00	Adjourn		
19:00 ~ 21:00	<ul style="list-style-type: none"> •Social Dinner at the Korean Restauran •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 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	Development of Sustainable Land Management (SLM) framework to Combat Desertification: the case of SATREPS-Ethiopia project	Nigussie Haregeweyn (Japan)	
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 and Application of Web GIS-based Soil Erosion and Soil Quality Information System	Dong Jun Lee (Korea)	
14:10 ~ 14:25	Top Soil and NPS pollution(Application case of setting basin)	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	Joon Hak Lee (Korea)	
15:30 ~ 15:45	Developing a guidance for top-soil conservation in development projects	Tae Heum 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	Soil change detection using aerial imagery	Junku Park (Korea)	
17:05 ~ 17:20	SSORii Erosion Model: Development and Applications	Giha Lee (Korea)	
17:20 ~ 17:30	Coffee Break		
17:30 ~ 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 		

Marriott Hotel Meeting Room (3rd Floor)

Time	Presentation Titles	Speakers
Poster Session		
December 6 th 10:00~18:00	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)
	Watershed runoff response to soil and water management interventions in a tropical humid highland of Ethiopia	Dagnenet Sultan Alemu (Ethiopia)

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)**