

Public Customized Training Course on ‘Urban Geology’

(Venue : Mirinae room)

Date/Time	Program Description	Remarks
8.17 (Mon)	Registration and orientation	IS-Geo
09:50-10:00		
8.17 (Mon)	Introduction and drivers for urban geological investigation	
10:00-11:00	Introduction to course aims and outcomes	Dr. Vanessa Banks & Mr. David Boon (BGS, UK)
11:10-12:10	Overview of urban geology, the significance of humans and the historic drivers	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Quaternary/Anthropogenic processes and products	
14:40-15:40	Planning for future land use and climate change	
15:50-16:50	Practical 1: Drivers for urban geology in South Korea	
17:00-18:00	Practical 2: Design an urban geology investigation	
8.18 (Tue)	Characterising urban geology and the shallow zone of human interaction	
10:00-11:00	Characterising the shallow zone of human interaction	Dr. Vanessa Banks & Mr. David Boon (BGS, UK)
11:10-12:10	Land use change and brownfield development	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Engineering and geotechnical considerations	
14:40-15:40	Coastal engineering	
15:50-16:50	Conceptual ground models and their applications	
17:00-18:00	Practical: Using site investigation data to build a ground model	
8.19 (Wed)	Water in the urban environment	
10:00-11:00	Introduction to urban groundwater	Dr. Vanessa Banks & Mr. David Boon (BGS, UK)
11:10-12:10	Groundwater quality	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Investigation approaches	
14:40-15:40	Modelling	
15:50-16:50	Contamination and approaches to remediation	
17:00-18:00	Practical: Application of hydrogeological domains	
8.20 (Thu)	Environmental geology and delivery of urban geoscience for decision making	
10:00-11:00	Applied geological mapping	Dr. Vanessa Banks & Mr. David Boon (BGS, UK)
11:10-12:10	Introduction to urban geoscience delivery	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Practical: Stakeholder engagement focused on Daejeon	
14:40-15:40	Management of data for urban geology	
15:50-16:50	Urban resources, geo-conservation, ecosystem services, vulnerability and resilience	
17:00-18:00	Preparation for field excursion	
8.21 (Fri)	Urban Geology Field Excursion	
10:00-11:00	Meet and travel to field site 1	Dr. Vanessa Banks & Mr. David Boon (BGS, UK)
11:10-12:10	Fieldwork at field site 1	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Travel to field site 2	
14:40-15:40	Fieldwork at field site 2	
15:50-16:50	Fieldwork at field site 3	
17:00-18:00	Return to KIGAM offices	

※ The working language is English.