

Public Customized Training Course on ‘Environmental Geostatistics’

		(Venue : Ara room)
Date/Time	Program Description	Remarks
7.16 (Wed)	Registration and Orientation	IS-Geo
9:50-10:00		
7.16 (Wed)	Introduction to geostatistics	
10:00-11:00	Lecture 1: Introduction	Dr. Pierre Goovaerts
11:10-12:10	Lecture 2: Exploratory Spatial Data Analysis (Lab)	
12:10-13:10	Lunch	
13:10-14:00	Lecture 3: Concepts of correlogram and semivariogram	
14:10-15:00	Lecture 4: Semivariogram modelling (Lab)	
15:10-16:30	Lecture 5: Concept of kriging	
16:40-18:00	Lecture 6: Spatial interpolation (Lab)	
7.17 (Thu)	Advanced topics in spatial prediction	
10:00-11:00	Lecture 1: Change of spatial support with kriging	Dr. Pierre Goovaerts
11:10-12:10	Lecture 2: Block kriging (Lab)	
12:10-13:10	Lunch	
13:10-14:00	Lecture 3: Residual kriging and kriging with an external drift	
14:10-15:00	Lecture 4: Mapping using secondary information (Lab)	
15:10-16:30	Lecture 5: Geographically-weighted regression	
16:40-18:00	Lecture 6: Mapping local correlations between rainfall and elevation (Lab)	
7.18 (Fri)	Modeling local and spatial uncertainty	
10:00-11:00	Lecture 1: Parametric modelling of local uncertainty	Dr. Pierre Goovaerts
11:10-12:10	Lecture 2: Multi Gaussian kriging (Lab)	
12:10-13:10	Lunch	
13:10-14:00	Lecture 3: Non-parametric modelling of local uncertainty	
14:10-15:00	Lecture 4: Indicator kriging (Lab using AUTO-IK)	
15:10-16:30	Lecture 5: Modeling spatial uncertainty	
16:40-18:00	Lecture 6: Stochastic simulation (Lab)	

※ The working language is English