

Regular Training Course on Coastal Geology and Geohazards (GeoCoast)

Week 1

(Module 1) – Wave-dominated Coasts and Coastal Geohazards

(Venue : Ara room)

Date/Time	Program Description	Remarks
9. 15 (Mon)	Orientation	IS-Geo (Ara room)
09:30-10:00		
9. 15 (Mon)	Day 1. Wave-dominated coasts and coastal geohazards	
10:00-11:00	Global coastal systems	Prof. Andrew Short (University of Sydney, Australia)
11:10-12:10	Coastal processes 1	
12:10-13:10	<i>Lunch</i>	
13:10-14:00	Coastal processes 2	
14:10-15:00	Beach systems: wave-dominated	
15:10-16:00	Beach systems: tide-modified beaches	
16:10-17:00	Embayed & structurally controlled beaches	
9. 16 (Tue)	Day 2. Wave-dominated coasts and coastal geohazards (Continued)	
10:00-11:00	Coastal dunes	Prof. Andrew Short (University of Sydney, Australia)
11:10-12:10	Estuarine systems	
12:10-13:10	<i>Lunch</i>	
13:10-14:00	Delta systems	
14:10-15:00	Coastal barrier systems	
15:10-16:00	Coastal sediment cells and transport	
16:10-17:00	Coastal Geohazards	
9. 17 (Wed)	Day 3. Wave-dominated coasts and coastal geohazards (Continued)	
10:00-11:00	Human impacts in the coastal zone	Prof. Andrew Short (University of Sydney, Australia)
11:10-12:10	Climate change impacts on the coast	
12:10-13:10	<i>Lunch</i>	
13:10-14:00	Monitoring coastal systems	
14:10-15:00	Remote sensing coastal systems	
15:10-16:00	Modeling coastal systems	
16:10-17:00	Managing coastal systems	
9. 18 (Thu)	Field trip to Eastern Korean Coast (Wave-dominated)	Prof. Andrew Short & Dr. Seong Pil Kim (KIGAM) & Dr. Tae Soo Chang (KIGAM)
9. 19 (Fri)	Field trip to Eastern Korean Coast (Wave-dominated) (Continued)	
9. 20 (Sat)	Field trip to Eastern Korean Coast (Wave-dominated) (Continued)	

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Week 2

(Module 2) – Tide-dominated Coasts and Human Impacts

(Venue : Ara room)

Date/Time	Program Description	Remarks
9. 22 (Mon)	Registration (Korean)	IS-Geo
9:50-10:00		
9. 22 (Mon)	Day 1. Coastal processes and morphodynamics of wave-dominated coastlines	
10:00-11:00	Tidal processes and products	Prof. Burg W. Flemming (Senckenberg Institute, Germany)
11:10-12:10	Evolution of the North Sea and the Wadden Sea coast	
12:10-13:30	<i>Lunch</i>	
13:30-15:15	The mesotidal East Frisian barrier-island depositional systems : morphological and sedimentological characteristics	
15:15-17:00	Impacts of global warming on the Wadden Sea	
9. 23 (Tue)	Day 2. Monitoring, modeling and forecasting of waves and coastal change	
10:00-11:00	Processes and dynamics along tide-dominated coasts	Prof. Burg W. Flemming (Senckenberg Institute, Germany)
11:10-12:10	Modern tools for coastal data acquisition and monitoring	
12:10-13:30	<i>Lunch</i>	
13:30-15:15	Coastal protection – past, present, future	
15:15-17:00	Constructional impacts	
9. 24 (Wed)	Field trip to Western Korean Coast (Tide-dominated)	Prof. Burg W. Flemming & Dr. Tae Soo Chang (KIGAM) & Dr. Hee Jun Lee (KIOST) & Dr. Gwang Hee Choi (NIER) & Mr. Jong Gwan Kim (Chonnam Nat. Univ.)
9. 25 (Thu)	Field trip to Western Korean Coast (Tide-dominated) (Continued)	
9. 26 (Fri)	Field trip to Western Korean Coast (Tide-dominated) (Continued)	