



Program of Intensive Training Course “Data Management using Machine Learning Models”

10th & 11th April 2019

**Organized by the Higher School of Engineers of Medjez El Bab (ESIM)
& the Regional Center for Remote Sensing of North Africa States (C.R.T.E.A.N)**

Presented by Prof. Saro LEE

Director/Principal Researcher of Geoscience Platform Research Division, Korea Institute of Geoscience and Mineral Resources (KIGAM)

Full Professor of Korea University of Science and Technology

Wednesday , 10th April 2019	
08:15-09:00	Registration
09:00-11:00	Lecture 1: Application of GIS and Machine Learning in Natural Hazard Predictive Mapping
11:00-11:30	COFFEE BREAK
11:30-13:00	Lecture 2: Practical Exercise: Data preparation using SAGA GIS
13:00-14:00	LUNCH
14:00-17:00	Lecture 3: Practical Exercise: Data preparation using frequency ratio
Thursday, 11th April 2019	
08:30-11:00	Lecture 4 : Introduction and practical exercise of Weka for flood hazard mapping 1
11:00-11:30	COFFEE BREAK
11:30-13:00	Lecture 5 : Introduction and practical exercise of Weka for flood hazard mapping 2
13:00-14:00	LUNCH
14:00-15:30	Lecture 5 : Flood hazard mapping using Weka and ArcGIS
15:30-16:30	Lecture 6 : Validation of Flood Hazard Mapping
16:30-17:00	Presentation of formation certificates & Closing

Address:

Regional Center for Remote Sensing of North Africa States (C.R.T.E.A.N)

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