

GeoTAK Technical Training 2 LAND – GIT in Land management, Land use / Land cover mapping, marginal lands and Curricula development workshop

Ljubljana, Slovenia

AGENDA

Practical training 2 (Land – Part 1) and Curricula development, Ljubljana, June 12-19, 2022

Day	Time (CET)	Partner	Lecturer	Title	Description	Comments	
June 12				Arrival in Ljubljana			
Day	Time (CET)	Partner	Lecturer	Title	Description	Comments	
June 13				Registration			
	08h30-09h00			<u>Location</u> : UL, Faculty of Civil and Geodetic Engineering, Jamova cesta 2 , Ljubljana		<i>IV floor</i>	
	09h00-09h30			Prof. Anka Lisec , UL FGG: <i>Opening Welcome, some practical information</i> Prof. Luis A. Ruiz , project coordinator: <i>Short introduction of the project and training program</i> Prof. Krištof Oštir , UL FGG: <i>Education, Research in GIT at UL</i>		<i>Computer room IV/5 (IV floor)</i> + <i>ZOOM</i>	
	09h30-11h00	VUB	Dr Jonathan C-W Chan et al.	Land use/land cover mapping	LULC Classification / Mapping <ul style="list-style-type: none"> - Pattern recognition of remote sensing images - Landsat 8 and Sentinel 2 spectral configurations - Supervised classification - Land cover classes - Spectral signatures of training data - Classifiers - Sampling strategies for quantitative evaluation of a classification map - Confusion matrix and ground truthing - Understanding accuracy measures 	<i>Computer room IV/5 (IV floor)</i> + <i>ZOOM</i> A short theoretical introduction with practical training	
	11h00-11h30	Coffee Break					

Day	Time (CET)	Partner	Lecturer	Title	Description	Comments	
	11h30-13h00	VUB	Dr Jonathan C-W Chan et al.	Land use/land cover mapping	LULC Classification / Mapping: Practicals with QGIS Semi-automatic classification plugin (SCP) <ul style="list-style-type: none"> - Understanding meta files - Processing Level - Data downloading and access 	Computer room IV/5 (IV floor) + ZOOM Practical training	
	13h00-14h30	Lunch					
	14h30-16h00	VUB	Dr Jonathan C-W Chan et al.	Land use/land cover mapping	LULC Classification / Mapping <ul style="list-style-type: none"> - Data preparation - Merging and cropping in SCP - Classification scheme - Training data digitalization - Spectral signatures visualization and examinations - Selection of classifiers 	Computer room IV/5 (IV floor) + ZOOM Practical training	
	16h00-16h15	Coffee Break					
	16h15-17h30	VUB	Dr Jonathan C-W Chan et al.	Land use/land cover mapping	LULC Classification / Mapping <ul style="list-style-type: none"> - Evaluation of a classification map - Random points generation - Manual interpretation of reference data - Generation of confusion matrix 	Computer room IV/5 (IV floor) + ZOOM Practical training	
	19h00-	Social dinner (Vodnikov hram)					
June 14	09h00-11h00	Project management group meeting				Conference room II/1 (II floor) + ZOOM	
	11h00-11h30	Coffee Break					
	11h30-13h00	UL	Dr Dejan Grigillo et al	UAV photogrammetric data processing	UAV (optical) data processing: photogrammetric block adjustment, georeferencing, point-cloud/ortophoto generation	Computer room IV/5 (IV floor) + ZOOM Practical training	
	13h00-14h30	Lunch					

Day	Time (CET)	Partner	Lecturer	Title	Description	Comments	
	14h30-16h00	UL	Dr <i>Dejan Grigillo et al</i>	UAV photogrammetric data processing	UAV (optical) data processing: case study	Computer room IV/5 (IV floor) + ZOOM Practical training	
	16h00-16h15	Coffee Break					
	16h15-17h30	VUB	Dr Jonathan C-W Chan et al.	Land use/land cover mapping	LULC Classification / Mapping Field campaign and groundtruth	Field work	
June 15	08h00-18h00	Excursion (Gorenjska region) <ul style="list-style-type: none"> - Flycom (surveying company): https://www.flycom.si/en/homepage/ - Nordic centre Planica: https://www.nc-planica.si/en/ 					
June 16	09h00-10h30	Short introduction to the workshop (Anka Lisec) <ul style="list-style-type: none"> - Prof Violeta Bokan Bosiljkov, UL FGG dean: Welcome address Curricula development workshop – introduction: <ul style="list-style-type: none"> - Prof Luis A. Ruiz: Industrial PhD (15") - Prof Huaan Fan: PhD research and Innovation (15") - Prof Marek Frankowicz: Introduction to the curricula development workshop (45") 					Conference room II/1 (II floor) + ZOOM
	10h30-11h00	Coffee Break					
	11h00-13h00	Curricula development workshop: Presentations of PhD programmes (partner institutions) (15 min for presentation + 15 min discussion) <ul style="list-style-type: none"> o Restrictions/regulation of PhD programmes in the countries o Study programme (list of courses, goals and competences of the study programme) <ul style="list-style-type: none"> - YSU, NUACA, ANAU (Armenia - 1 common study programme) - KSUCTA - KSMU - OshTU 					Conference room II/1 (II floor) + ZOOM
	13h00-14h00	Lunch					

Day	Time (CET)	Partner	Lecturer	Title	Description	Comments	
	14h00-17h00				Curricula development workshop: <ul style="list-style-type: none"> - Prof. Marek Frankowicz: Introduction to the template for syllabus/course description (based on reviewed templates/course description from partner institutions – Armenia, Kyrgyzstan) - Presentations of already prepared syllabus (pilot courses, we will work on within the workshop) - Discussion 	Conference room II/1 (II floor) + ZOOM	
June 17	09h00-10h30				Curricula development workshop: <ul style="list-style-type: none"> - Prof. Marek Frankowicz: Introduction to working in the groups (goals, expected results) - Working in the groups: Course description (interactive): <ul style="list-style-type: none"> o Group “Geoinformation” for Armenia (Yerevan) and Kyrgyzstan (Ljubljana) o Group “Geodesy” for Armenia (Yerevan) and Kyrgyzstan (Ljubljana) 	Conference room II/1 and room 211 (II floor) + ZOOM	
	10h30-11h00	Coffee Break					
	11h00-12h30				Curricula development workshop (interactive): <ul style="list-style-type: none"> - Working in the groups (continuation) 	Conference room II/1 and room 211 (II floor) + ZOOM	
	12h30-14h00	Lunch					
	14h00-16h30				Curricula development workshop: <ul style="list-style-type: none"> - Presentations of the work from the second day (each group) - Discussion - Results/Summary of the work from the second day 	Con Conference room II/1 (II floor) + ZOOM	
	19h00	Dinner					
June 18	09h00-12h00				Curricula development workshop: <ul style="list-style-type: none"> - Discussion (presentation/results of the work) - Prof. Marek Frankowicz: Conclusion, further work - Summary and conclusion of the workshop 	Conference room II/1 (II floor) + ZOOM	
June 18/19		Departure from Ljubljana					

The event will be partly organised in a hybrid form. The link to the zoom platform is here:

<https://uni-lj-si.zoom.us/j/93518446918>

Meeting ID: 935 1844 6918



About the project: GeoTAK – Developing Interdisciplinary Postgraduate Programmes and Strengthening Research Networks in Geoinformation Technologies in Armenia and Kyrgyzstan, <https://geotak.webs.upv.es/>

Project partners:

- Polytechnic University of Valencia (UPV, Spain), project coordinator;
- Royal Institute of Technology (KTH, Sweden),
- University of Ljubljana (UL, Slovenia),
- Vrije Universitat Brussels (VUB, Belgium),
- National University of Architecture and Construction of Armenia (NUACA, Armenia),
- Armenian National Agrarian University (ANAU, Armenia),
- Yerevan State University (YSU, Armenia),
- Ministry of Education, Science, Culture and Sports of the Republic of Armenia (MESCS, Armenia),
- Cadastre Committee of the Republic of Armenia (CCRA, Armenia),
- Kyrgyz State University of Construction, Transport and Architecture named after N. Isanov (KSUCTA, Kyrgyzstan),
- Kyrgyz State University of Geology, Mining and Natural Resources Development named after academic U. Asanaliev (KSMU, Kyrgyzstan),
- Osh Technological University named after M.M. Adyshev (OshTU, Kyrgyzstan),
- Ministry of Education and Science of the Kyrgyz Republic (MOES, Kyrgyzstan),
- State Cartographic-Geodetic Service at the Kyrgyz State Agency for Land Resources under Government of the Kyrgyz Republic (Goscartography, Kyrgyzstan).