

**Trans-Atlantic Training – Krakow 2014: Land Use/Land Cover Change and Ecosystem Processes
5-7 June 2014**

Day 1: Thursday, June 5th		
Institute of Geography and Spatial Management (IG&SM), Gronostajowa 7, 30-387 Kraków		
8:30 – 9:00	Registration	
9:00 – 10:30	Opening & session 1 Lecture room 1.21 (First floor of IG&SM)	
	Welcoming remarks	Marek Drewnik Head of the Institute of Geography and Spatial Management, Jagiellonian University, Poland
	Training objectives and remarks	Premysl Stych (Charles University in Prague, Czech Republic) Katarzyna Ostapowicz (Jagiellonian University, Poland)
	Introduction to ESA SAR missions	Francesco Sarti (ESA ESRIN)
10:30-11:00	Coffee break	
11:00 – 13:00	Session 2 Lecture room 1.21 (First floor of IG&SM)	
	Potential and limitations of global land monitoring from space	Garik Gutman (NASA/HQ, US)
	TBD	Olga Krankina (Oregon State University, US)
13:00 – 14:00	Lunch	
14:00 – 16:00	Session 3 Lecture room 1.21 (First floor of IG&SM)	
	Introduction to SAR basics	Fabio del Frate (University Tor Vergata, Italy)
16:00-16:30	Coffee Break	
16:30 – 17:30	Session 4	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	Change detection with dense time series of satellite images Katarzyna Ostapowicz (Jagiellonian University, Poland)	Introduction to basic SAR processing (ESA SAR toolbox NEST) Fabiano Costantini (University Tor Vergata c/o ESRIN)
17:30 – 20:00	Poster session & Icebreaker Classroom 1.28 (First floor of IG&SM)	



Day 2: Friday, June 6th		
Institute of Geography and Spatial Management, Gronostajowa 7, 30-387 Kraków		
9:00 – 10:00	Session 7 (Lectures)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	Object Based Urban Remote Sensing <i>Levente Ronczyk</i> (University of Pécs, Hungary)	Introduction to SAR applications for Forestry <i>Nicolas Ackermann (ESRIN, Italy)</i> <i>Fabiano Costantini (Univ Tor Vergata c/o ESRIN, Italy)</i>
10:00-10:30	Coffee break	
10:30 – 12:30	Session 5 (Practice)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	Object Based Urban Remote Sensing <i>Levente Ronczyk</i> (University of Pécs, Hungary)	Examples of SAR applications for Forestry <i>Nicolas Ackermann (ESRIN, Italy)</i> <i>Fabiano Costantini (Univ Tor Vergata c/o ESRIN, Italy)</i>
12:30 – 13:30	Lunch	
13:30 – 15:00	Session 8 (Lecture)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	TBD/Classification/EnMaxBox <i>Sebastian van der Linden</i> (Humboldt-Universität zu Berlin, Germany)	Results of SAR-based land cover/use mapping and forestry applications <i>Oleg Antropov (VTT, Finland)</i>
15:00-15:30	Coffee Break	
15:30 – 17:30	Session 8 (Practice)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	TBD/Classification/EnMaxBox <i>Sebastian van der Linden</i> (Humboldt-Universität zu Berlin, Germany)	SAR applications for Land: examples (ESA SAR toolbox NEST) <i>Fabiano Costantini (Univ Tor Vergata c/o ESRIN, Italy)</i> <i>Nicolas Ackermann (ESRIN, Italy)</i>
Walk in the city center		
19:00 – 21:00	Training dinner: Stara Zajezdnia	



Day 3: Saturday, June 7th		
Institute of Geography and Spatial Management, Gronostajowa 7, 30-387 Kraków		
9:00 – 10:00	Session 5 (Lectures)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	EO in phenology studies <i>Kirsten de Beurs</i> (University of Oklahoma, US)	EO in phenology studies <i>Braden Owsley</i> (University of Oklahoma, US)
10:00-10:30	Coffee break	
10:30 – 12:30	Session 5 (Practice)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	EO in phenology studies <i>Kirsten de Beurs</i> (University of Oklahoma, US)	EO in phenology studies <i>Braden Owsley</i> (University of Oklahoma, US)
12:30 – 13:30	Lunch	
13:30 – 14:30	Session 6 (Lecture)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	Analyzing Earth Observation Data in Conjunction with Population Data <i>Gregory Taff (Norwegian Forest and Landscape Institute, Norway)</i> <i>Premysl Stych (Charles University in Prague, Czech Republic)</i>	LIDAR – the new quality in LULC research <i>Piotr Wężyk</i> (University of Agriculture in Krakow, Poland)
14:30-15:00	Coffee Break	
15:00 – 17:00	Session 6 (Practice)	
	Group A: Computer lab. 1.24	Group B: Computer lab. 1.20
	Analyzing Earth Observation Data in Conjunction with Population Data <i>Gregory Taff (Norwegian Forest and Landscape Institute, Norway)</i> <i>Premysl Stych (Charles University in Prague, Czech Republic)</i>	LIDAR – the new quality in LULC research <i>Piotr Wężyk, Paweł Hawryło</i> (University of Agriculture in Krakow, Poland)
17:00 – 17:30	Closing session Lecture room 1.23	

