

**SCERIN-2, 9-10 June 2014**  
**Current LCLUC challenges in SCERIN: Addressing Ecosystem Function and Processes**  
**Institute of Geography and Spatial Management, Jagiellonian University, Gronostajowa 7, 30-387 Kraków**

**Sunday, June 8<sup>th</sup>**

*Arrival of participants*

**10:00-18:00 Trip: Four cities of Kraków**

**SCERIN-2 Day 1: Monday, June 9<sup>th</sup>**

**Institute of Geography and Spatial Management, Gronostajowa 7, 30-387 Kraków, Room 1.0.1**  
 (main part of the Campus building)

<b>8:30 – 9:00</b>	<b>Registration</b>	
<b>9:00 – 10:30</b>	<b>Session 1: Key notes and programmatic lectures</b>	<i>Moderator: Jacek Kozak</i>
	Welcoming remarks	Małgorzata Kruczek, Dean of Faculty of Biology and Earth Sciences, Jagiellonian University (Poland)
	The NASA LCLUC Program Support of Projects in Eastern Europe: An Update and Future Directions	Garik Gutman (NASA/HQ, US)
	GEOSS/ESA Environmental Monitoring Programs and future directions	Espen Volden (GEO/ESA, EU)
	Earth Observation - CBK PAN perspective	Stanisław Lewiński (CBK PAN, Poland)
<b>10:30-11:00</b>	<b>Coffee break</b>	
<b>11:00 – 12:30</b>	<b>Session 2: SCERIN Goals and Directions</b>	<i>Moderator: Petya Campbell</i>
	GOFC-GOLD Regional Networks: update and plans	Olga Krankina (Oregon State University, US)
	GOFC-GOLD activities of Wageningen University	Michael Schultz (GOFC-GOLD, the Netherlands)
	SCERIN goals and meeting objectives and agenda	Petya Campbell (NASA/GSFC and University of Maryland Baltimore County, US)
	COST Action as platform for future SCERIN Network activities	Jana Albrechtova (Charles University Prague, Czech Republic)
	Discussion of SCERIN-2 goals and agenda, SCERIN FGs and the COST action	
<b>12:30 - 13:30</b>	<b>Lunch</b>	
<b>13:30 – 15:30</b>	<b>Session 3: Land cover and land use change (FG2)</b>	<i>Moderator: Lucie Kupkova</i>
	Agricultural changes in European Russia: Implication for Food Security	Kirsten M. de Beurs (University of Oklahoma, US)
	Why past land use matters: learning from the Carpathians	Catalina Munteanu (University of Madison-Wisconsin, US)
	Land use and land cover changes in the Republic of Moldova	Tatiana Popusoi (Moldovan Academy of Sciences)



	Determination of Agricultural land abandonment in Southern Marmara Sea region, Turkey	Levent Genc (Çanakkale Onsekiz Mart University, Turkey)
	The Sevan Management Information System SEMIS	Lilit Vardanyan (LSIEC, UNESCO, Armenia)
	Mapping forest disturbances by combining Landsat image composites and Unmanned Aerial Systems	Ioan Vasile Abrudan and Mihai Nita (Transilvania University of Brasov, Romania)
	AUTH LULCC Forest Management and Remote Sensing activities	Ioannis Gitas (Aristotle University of Thessaloniki, Greece)
	Cultivated grasslands - changes and consequences of climate change	Gregory Taff (Norwegian Forest and Landscape Institute, Norway)
	TBD	Vladimir Starodubtsev (Ukraine)
<b>15:30-16:00</b>	<b>Coffee Break</b>	
<b>16:00 – 17:30</b>	<b>Session 4: Land cover and land use change – Polish contribution (FGs 1-3)</b>	<i>Moderator: Katarzyna Ostapowicz</i>
	Evaluation of land surface temperature patterns in the urban agglomeration of Krakow (Poland) using different satellite data and GIS	Jakub Walawender (IMGW, Poland)
	The LULC changes in Gorce National Park (South Poland) using GEOBIA approach of CIR aerial orthophotos and nDSM from stereomatching	Piotr Wężyk (University of Agriculture in Kraków, Poland)
	Remote Sensing and LIDAR data based forest analysis – application and research	Krzysztof Stereńczak (IBL, Poland)
	Access to the remote sensing products	Maria Pacyga/Antoni Łabaj (SmallGIS, Poland)
	Science researches carried out by Institute of Geodesy and Cartography, and Geospatial Science Center of Excellence (GSCE) SDSU	Monika Tomaszewska (IGK, Poland)
	Remote sensing activities in the AGH University Department of Geoinformation, Photogrammetry and Remote Sensing of Environment	Wojciech Drzewiecki (AGH, Poland)
	Forest cover change – Department of GIS, Cartography and Remote Sensing IG&SM JU perspective	Katarzyna Ostapowicz (IG&SM JU, Poland)
<b>Walk in the city center</b>		
<b>Institute of Botany, Kopernika 27, Kraków</b>		
<b>18:30 – 21:00</b>	<b>Key Lecture and Icebreaker Social</b>	<i>Moderator: Olga Krankina</i>
	Key Challenges in land cover and land use change	Jacek Kozak (IG&SM JU, Poland)
<i>Visit of the botanic garden, museum and climatology station</i>		

<b>SCERIN-2 Day 2: Tuesday, June 10<sup>th</sup></b>		
<b>Institute of Geography and Spatial Management, Gronostajowa 7, 30-387 Kraków, Room 1.0.1</b> (main part of the Campus building)		
<b>8:30 – 9:00</b>	<b>Registration</b>	
<b>9:00 – 11:00</b>	<b>Session 5: Land Cover Change and Ecosystem/Landscape assessment (FG-1 and FG3)</b>	<i>Moderator: Jana Albrechtova</i>
	ALS and VHR imagery based forest	Géza Király (University of West Hungary, Hungary)
	A Fused Disturbance Model for Land Management Analysis	Braden C. Owsley (University of Oklahoma, US)
	Estimation of soil properties with imaging and laboratory spectroscopy	Said Nawar (IG&SM JU, Poland)
	Research infrastructure and capabilities for EO based forest, landscape and ecosystem research in Slovakia	Andrej Halabuk (ILE SAS, Slovakia)
	Hyperspectral vegetation indices for assessment of nitrogen and chlorophyll content in crops	Ilina Kamenova (SRTI BAS, Bulgaria)
	Methods of meadows and tundra classification in the Krkonoše Mts. using different types of remote sensing data	Lucie Kupková (CU, Prague, Czech Republic)
	Hyperspectral-based detection of tree physiological status - projects in the Western part of the Czech Republic	Jana Albrechtova (CU, Prague, Czech Republic)
	New facilities and trends in quantitative assessment of forest ecosystems from airborne data	Frantisek Zemek (Czech Republic)
	Mapping forest disturbances by combining Landsat image composites and Unmanned Aerial Systems	Mihai Daniel Nita/Ioan Vasile Abrudan (Transilvania University of Brasov, Romania)
<b>11:00- 11:30</b>	<b>Coffee Break</b>	
<b>11:30 – 15:30</b>	<b>SCERIN Focus groups discussions</b>	
11:30 – 12:30	<b>FG1:</b> Forest ecosystem monitoring: disturbances, health and biomass assessment using hyperspectral and LiDAR data	<i>Moderators:</i> Frantisek Zemek/Jana Albrechtova
<b>12:30 - 13:30</b>	<b>Working lunch</b>	
13:30 – 14:30	<b>FG2:</b> Land Cover Changes: effects of agricultural land abandonment, urban expansion and climate change	<i>Moderators:</i> Lucie Kupková/Levent Genc
14:30 – 15:30	<b>FG3:</b> Validation/verification network for support of current and future LCLUC products (e.g. NASAs HyspIRI, Landsat and ESAs GMES program)	<i>Moderators:</i> Andrej Halabuk/Petya Campbell
<b>15:30 - 16:00</b>	<b>Coffee Break</b>	

<b>16:00 – 17:30</b>	<b>SCERIN-2 Reporting</b>	<i>Moderator: Petya Campbell</i>
	Recommendations & Action items	Jana Albrechtova
	SCERIN-3 – potential location, goals and dates	Potential hosts
	Closing remarks	Jacek Kozak/Katarzyna Ostapowicz, SCERIN-2 Hosts



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