

**Trans-Atlantic Training 2019 (TAT-7)****Radar and Optical Remote Sensing in the Agricultural and Environmental Monitoring**

Novi Sad, 20-24 June 2019

<http://web.natur.cuni.cz/gis/tat/>

<b>Thursday 20/06</b>	
09:00 - 09:30	Registration
09:30 - 09:45	<p><b>Welcome address of the Host</b> Speaker: Dean of University of Novi Sad</p> <p><b>Welcoming remarks &amp; Logistics</b> Speaker: Dr. Minučer Mesaroš, University of Novi Sad</p>
09:45 - 10:00	<p>History of TAT &amp; Training objectives Speaker: Přemysl Štych, Charles University of Prague</p>
10:00 - 11:00	<p>Introduction to ESA EO Missions (focus on SAR missions) Speaker: Francesco Sarti, ESA/ESRIN</p>
	10 min break
11:10 - 12:15	<p><b>Theory:</b> Reminders of SAR Theory and SAR applications to Land and Vegetation Speaker: Pierre Louis Frison, UPEM/IGN</p>
12:15 - 13:15	Lunch Break
13:30 - 15:00	<p><b>Theory &amp; Exercise:</b> Vegetation monitoring with SAR and Optical Speaker: Pierre Louis Frison, UPEM/IGN</p>
15:00 - 15:30	Coffee Break
15:30 - 18:00	(continuation )
	Ice Breaker

<b>Friday 21/06</b>	
09:00 - 10:30	<p><b>Theory &amp; Exercise:</b> Sentinel-2 and spatial image analysis Speaker: Martin Sudmanns, University of Salzburg</p>
10:30 - 10:45	Coffee Break
10:45 - 12:30	(continuation)
12:30 - 13:30	Lunch Break
13:30 - 15:00	<p><b>Theory:</b> Concepts and technologies for big EO image analysis Speaker: Martin Sudmanns, University of Salzburg</p>
15:00 - 15:15	Coffee Break
15:15 - 17:30	<p><b>Theory &amp; Exercise:</b> Concepts for time series analysis for land use / land cover Speaker: Martin Sudmanns, University of Salzburg</p>
17:30 - 18:00	<b>Closing of the ESA part &amp; Feedback</b>

Saturday 22/06	
10:00 – 12:00	<b>Exercise:</b> Analysis of Remote Sensing data in Sentinel Hub Speaker: Premysl Stych, Charles University, with contribution from Sinergise
Afternoon	Field trip and Novi Sad sightseeing
20:00	TAT Social Event (dinner)

Sunday 23/06	
09:00 – 10:00	<b>Theory:</b> Multi-Sensor Approaches in Monitoring Ecosystem Dynamics: An Update Speaker: Garik Gutman, NASA LCLUC Program
10:00 – 11:00	<b>Theory:</b> Monitoring of vegetation dynamics based on different optical data: high spectral resolution, and multispectral (e.g. harmonization of Landsat 8 and Sentinel-2) Speaker: Petya Campbell, NASA/GSFC and University of Maryland Baltimore County
11:00 – 11:15	Coffee Break
11:15 - 12:45	<b>Exercise:</b> Combining the Social and Physical/Remote Sensing data Speaker: Gregory Taff, WRI
12:45 – 13:30	Lunch
13:30 – 15:00	<b>Theory &amp; Exercise:</b> Advanced classification methods with focus on Random Forest Classifier Speaker: Mihai Daniel Nita, University of Brasov
15:00 – 15:15	Coffee Break
15:15 – 17:30	<b>Theory:</b> Time Series in Google Earth Engine Speaker: Mutlu Ozdogan, University of Wisconsin-Madison
17:30 – 18:00	<b>Closing TAT &amp; Feedback</b>

Monday 24/06 ((voluntary, extra-part of TAT-7)	
	<b>South Central European Regional Information Network (SCERIN) workshop</b> Visiting the keynotes part of the SCERIN meeting ( <a href="http://csebr.cz/scerin2019/index.html">http://csebr.cz/scerin2019/index.html</a> )