

Thursday 23/06/2016

Hall 225, second floor

<b>Session Chair: Milan Kilibarda</b>	
09:30 – 09:45	Welcome note (Milan Kilibarda / Branislav Bajat)
09:45 – 10:30	Mikhail Kanevski: Advanced Analysis of Environmental Data Using Machine Learning
10:30 – 11:15	Tomislav Hengl: Automated global soil mapping: discovering spatial soil patterns using machine learning
11:15 – 11:45	<b>Coffee break</b>
<b>Session Chair: Milan Kilibarda</b>	
11:45 – 13:00	<b>Session I</b> <ul style="list-style-type: none"><li>• Mladen Nikolić: Feature Extraction for Rasters Using Autoencoders</li><li>• Velibor Ilić: Kriging with machine learning covariates in environmental sciences: A hybrid approach</li><li>• Víctor Rodríguez-Galiano: Regression trees for modelling water demand in Sevilla city (Spain)</li><li>• Tomislav Hengl: Machine learning as a generic framework for spatial and spatiotemporal prediction</li><li>• Víctor Rodríguez-Galiano: Random Forest for modelling anomalies in the land surface phenology of the European forest</li></ul>
13:00 – 14:00	<b>Light lunch</b>
<b>Session Chair: Tomislav Hengl</b>	
14:00 – 14:45	Wolfgang Wagner: Time series analysis of Sentinel-1 backscatter data on a high performance computing platform
14:45 – 16:00	<b>Session II</b> <ul style="list-style-type: none"><li>• Bartosz Czernecki: Statistical modeling of phenological phases in Poland based on coupling satellite derived products and gridded meteorological data</li><li>• Dragana Đurić: Mapping of the East Vardar Zone ophiolite using remote sensing and geophysical data</li><li>• Dragutin Protić: Sensitivity of vegetation indices derived from Sentinel-2 data to change in biophysical characteristics of winter crops during growth phase</li><li>• Andreas Scheidegger: Recurrent Neuronal Network tailored for Weather Radar Nowcasting</li><li>• Dejan Stojanović: Observed NDVI change in poplar plantation based on LANDSAT 8 images</li></ul>
16:00 – 16:30	<b>Coffee break</b>
<b>Session Chair: Miloš Kovačević</b>	
16:30 – 17:30	<b>Session III</b> <ul style="list-style-type: none"><li>• Mileva Samardžić Petrović: Total electron content prediction using machine learning techniques</li><li>• Milutin Pejović: Extensions of 3D trend models of soil variables</li><li>• Melita Perčec Tadić: gridded monthly temperature fields for Croatia for the 1981–2010 period</li><li>• Aleksandar Sekulić: High resolution daily temperature for Serbia (1960-2015)</li></ul>
19:30 –	<b>Conference dinner</b>

**Friday 24/06/2016**

Hall 225, second floor

<b>Session Chair: Branislav Bajat</b>	
09:30 – 10:15	Mirko Orlić: Stjepan Mohorovičić, an early advocate of Milutin Milanković's theory of climate change Mirko Orlić: Exploring relationship between global temperatures and global sea levels
10:15 – 11:00	Ole Einar Tveito: Observation based gridded climate data in Norway
11:00 – 11:30	<b>Coffe break</b>
<b>Session Chair: Ivana Tošić</b>	
11:30 – 13:00	<b>Session IV</b> <ul style="list-style-type: none"><li>• Mojca Dolinar: Monthly gridded datasets for temperature and precipitation over Slovenia</li><li>• Merieke Dirksen: Combining observations with model data for improved high resolution temperature interpolation</li><li>• Alexander Mkrтчian: Annual precipitation data processing and interpolation for the weather stations of Western Ukraine</li><li>• Marius-Victor Birsan: Spatial interpolation of daily snow depth over Romania</li><li>• Boudewijn van Leeuwen: Evaluation of phenology parameters as proxy for drought measurements</li><li>• Markus Ziese: Comparison of Three Interpolation Schemes to Generate Daily and Monthly Gridded Precipitation Analyses by the Global Precipitation Climatology Centre (GPCC) and its Application to Produce Global Analyses</li></ul>
13:00 – 14:00	<b>Light lunch</b>
<b>Session Chair: Melita Perčec Tadić</b>	
14:00 – 15:30	<b>Session V</b> <ul style="list-style-type: none"><li>• Irena Nimac: New 1981–2010 climatological normals for Croatia and comparison to previous 1961–1990 and 1971–2000 normals</li><li>• Milan Kilibarda: Improving seasonal precipitation mapping using GPCC data over the western US</li><li>• Minučer Mesaroš: Earlier onset of spring in Serbia</li><li>• Miloš Marjanović: Correlating local palynological record and weather conditions for an individualized pollen alarm</li><li>• Ivan Milojković: Modeling the protection of environment regarding climate change in the design and construction of water supply</li><li>• Marija Ivković: Hydrological modeling - availability and reliability of the data in real time</li></ul>

