



TU WIEN
DEPARTMENT OF GEODESY
AND GEOINFORMATION
CLIMATE AND ENVIRONMENTAL
REMOTE SENSING

Program of the webinar

"Advanced geospatial technologies in the research of sustainable development of society"

22 September, 2022, 13:30 (Wien time)

Online

Aim: to present the advanced technologies for application of geospatial data for the needs of nature management, protection and efficient use of land resources

Organizers:

- National University of Life and Environmental Sciences of Ukraine (NULES of Ukraine), Faculty of Land Management, Department of Geoinformatics and Aerospace Research of Earth
- Technische Universität Wien, Department of Geodesy and Geoinformation, Research Group - Climate and Environmental Remote Sensing (CLIMERS)

Registration: <https://forms.gle/WmJSCwRdWRRowpfg46>

You can join the webinar by following the link:

<https://us05web.zoom.us/j/85846074213?pwd=bzdZeGkxMlpKWjZlUHJqVGN1by93UT09>

Conference ID: 858 4607 4213

Access code: 3yX37f

Greetings to the participants of the webinar

- 13:30-13:40 **Taras Ievsyukov**, Dean of the Faculty of Land Management, NULES of Ukraine
- 13:40-13:50 **Wouter Dorigo**, Head of the Research Group Climate and Environmental Remote Sensing, TU Wien
- 13:50-14:00 **Svitlana Kokhan**, Department of Geoinformatics and Aerospace Research of the Earth, NULES of Ukraine/TU Wien

Scientific reports

- 14:00-14:15 **Andriy Martyn**, Head of the Department of Land Management, NULES of Ukraine

Access to Geospatial and Cadastral Data in Wartime: Problems and Solutions

- 14:15-14:30 **Adam Pasik, Wolfgang Preimesberger, Pietro Stradiotti**, CLIMERS - Climate and Environmental Remote Sensing, TU Wien

Satellite Soil Moisture and Ground Water Monitoring

- 14:30-14:45 **Tetiana Orlenko**, State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine" - CASRE of the IGS of NASU

Assessing and Forecasting Landslide Hazards of the Right Bank of the Kaniv Reservoir Based on Remote Sensing Data

- 14:45-15:00 **Irene Himmelbauer**, CLIMERS - Climate and Environmental Remote Sensing, TU Wien

The International Soil Moisture Network (ISMN) in support of Earth Observation Science

- 15:00-15:15 **Antonina Moskalenko**, Department of Geoinformatics and Aerospace Research of the Earth, NULES of Ukraine

Geodatabase Design for Obtaining Spatial Decisions on Land Use

- 15:15-15:30 **Ruxandra Zotta**, CLIMERS - Climate and Environmental Remote Sensing, TU Wien
- ### *Satellite Vegetation and Fire Monitoring*

- 15:30-15:45 **Artem Andreiev**, State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine" - CASRE of the IGS of NASU

Land Cover Classification Enhancement by Training Samples Separation with Remote Sensing Dataset Optimization

- 15:45-16:00 **Emanuel Büechi**, CLIMERS - Climate and Environmental Remote Sensing, TU Wien

Crop Yield Forecasting and Drought Impacts in Southeastern Europe

- 16:00-16:15 **Questions and answers**

- 16:15-16:30 **Discussion**

Conclusions