GIS day

GIScience and GeoAI for Soils

Date: Thursday, 19.11.2026, 13:30—17:30 CET

Hybrid: **on site:** Rosensäle, Fürstengraben 27, 07743 Jena
online: Zoom, access data after registration

Registration: https://www.chemgeo.uni-jena.de/en/31262/registration-gis-day-2026

PROGRAMME

13:30 h **Welcome**
Prof. Dr. Alexander Brenning, Dept. of Geography, Friedrich Schiller University Jena, Germany

13:40 h **Falsifying soil organic carbon models with hybrid modeling and European soil data**
Leo Roßdeutscher, Dept. Biogeochemical Integration, Max Planck Institute for Biogeochemistry, Jena, Germany

14:10 h **Geomorphic knowledge-guided GeoAI for high resolution mapping of desert pavements in Namibia**
Mohamed Bourriz, Dept. of Geography, Friedrich Schiller University Jena, Germany

14:40 h **Advanced Satellite Radar Techniques and AI for Ground Deformation Assessment**
Prof. Dr. Claudia Meisina, Dept. of Earth and Environmental Sciences, University of Pavia, Italy

15:10 h Coffee Break and Poster Session

16:00 h **Octant: A Human-Designed, Agent-Coded Desktop and Browser GPU Viewer for Cloud-Native Data Stores**
Lazaro Alonso, Dept. Biogeochemical Integration, Max Planck Institute for Biogeochemistry, Jena, Germany

16:30 h **Mapping soil properties as latent variables in physically-informed machine learning models**
Florian Strohmaier, Dept. of Geography, Friedrich Schiller University Jena, Germany

17:00 h **Informal networking**

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