

GISday

GeoAI for environment

- Date:** Monday, 17.11.2025, 13:00–17:30 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-2025>

PROGRAM

- 13:00 h** **Welcome**, Prof. Dr. Alexander Brenning, Dept. of Geography, Friedrich Schiller University Jena, Germany
- 13:05 h** **Learning to Model a Changing Earth System**
Dr. Shijie Jiang, Georgios Blougoras, Max Planck Institute for Biogeochemistry, Jena, Germany
- 13:55 h** **Data Science for Civil Security: Webdata for Geospatial Information Products**
Dr. Jens Kersten, DLR-Institute of Data Science, Jena, Germany
- 14:25 h** **AI-Based Classification of Disaster-Related Images: A Model Comparison (Bachelor thesis)**
Jakob Glesmer, Friedrich Schiller University Jena/DLR-Institute of Data Science, Jena, Germany
- 14:40 h** **Coffee Break and Poster Session**
- 15:25 h** **Deep Learning Meets Radar: Advancing Ship Detection and DEM Generation from SAR Satellite Data**
M. Farhan Humayun, Dept. of Computing, University of Turku, Finland
- 15:55 h** **Transfer Learning in der Fernerkundung: Hangrutschungserkennung mit RemoteCLIP (Bachelor thesis)**
Justus Tempel, Friedrich Schiller University Jena, Germany
- 16:10 h** **Geostatistics & Machine Learning for Environmental Decision-Making: the ReGeNi Project**
Prof. Dr. Alexander Brenning, Dept. of Geography, Friedrich Schiller University Jena, Germany
- 16:20 h** **Do Spatial Random Forest Variants Improve the Regionalization of Environmental Pollutants? The Case of Groundwater Nitrate Concentration (Master thesis)**
Jonathan Frank, Dept. of Geography, Friedrich Schiller University Jena, Germany
- 16:35 h** **Straßenlaternen - Ein Balanceakt zwischen Sicherheit und Nachhaltigkeit (Study project)**
Anika Spießmacher, Friedrich Schiller University Jena, Germany
- 16:45 h** **Informal networking**

