

# GIS day

*GIScience for Environmental Modeling and Monitoring*

**Date:** Thursday, 16.11.2023, 13:15– 17:00 CET  
**Hybrid:** **on site:** Rosensäle, Fürstengraben 27, 07743 Jena  
**online:** Zoom, access data after registration  
**Registration:** <https://www.geographie.uni-jena.de/anmeldung-gis-day-2023>

## PROGRAM:

- 13:15 h** **Welcome**  
*Prof. Dr. Alexander Brenning, GIScience Group, Friedrich Schiller University Jena*
- 13:30 h** **Regionalization of groundwater pollution at the national level with geostatistics and machine learning: challenges and possible solutions**  
*Prof. Dr. Alexander Brenning, GIScience Group, Friedrich Schiller University Jena*
- 14:00 h** **Identifying the exceedance of pollution thresholds using geostatistical exceedance set methods**  
*Dr. Thomas Süße, National Institute for Applied Statistical Research Australia (NIASRA), University of Wollongong*
- 14:30 h** Contributions by students from the Master's program in geoinformatics
- **Vergleich von Bodenbewegungsdaten mit In-situ Messungen zum Monitoring von Deformationen an Staubbauwerken in Thüringen**  
*Natascha Stumpf, Christoph Liedel*  
*Supervisor: Jannik Jänichen, Jonas Ziemer (Dept. of Earth Observation)*
  - **Ice wedge polygon detection in high-res UAV data. Case study in the Mackenzie river delta, NWT, Canada**  
*Arthur Gratzias, Sheila Tholen*  
*Supervisor: Marlin Müller, apl. Prof. Dr. Christian Thiel (DLR German Aerospace Center, Jena)*
  - **Characterizing forest in decomposed Copernicus Sentinel-1 time series**  
*Nora Fischer, Panagiotis Koutsikos*  
*Supervisor: Markus Zehner (Dept. of Earth Observation)*
  - **Structural characteristics of tropical peatland ecosystems**  
*Alina Sachse, Paul Ehrhardt*  
*Supervisor: Antje Uhde (Dept. of Earth Observation)*
- 15:15 h** **Coffee Break + Poster Session**
- 16:00 h** **Noise Maps of Cities: How GIS data is used**  
*Prof. Dr. Manuel Gameiro da Silva, Dept. of Mechanical Engineering, University of Coimbra*
- 16:30 h** **Informal networking**



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