GIS day

Geographic Information Science for Natural Hazards

Date: Thursday, 21.11.2024, 13:00 – 17:00 CET

Hybrid: **on site:** University Aula, Fürstengraben 1, 07743 Jena
online: Zoom, access data after registration

Registration: https://www.geographie.uni-jena.de/9218/gis-day-2024

PROGRAM:

13:00 h **Welcome**
Prof. Dr. Alexander Brenning, Dept. of Geography, Friedrich Schiller University Jena

13:15 h **Multi-temporal airborne lidar data - benefits, limitations and application in assessing the geomorphological impact of the extreme Ahr flood 2021**
Dr. Rainer Bell, Dept. of Geography, University of Bonn, Germany
Fabian Weidt, Dept. of Geography, University of Bonn and GeoFact GmbH, Germany

14:30 h **Assessment of drying patterns and low flows under climate change in Europe and Thuringia**
Dr. Annika Künne, Flood Information Center, State Office for Environment, Mining and Nature Conservation, Jena, Germany

15:00 h **Coffee Break and Poster Session**

15:45 h Contributions by students from the Master's program in geoinformatics
- **Comparing Machine Learning and Deep Learning Methods for Forest Height Prediction from Satellite Time Series**
  Gerrit Eisele, Johannes Halbauer
- **A generic workflow for climate indices calculation in web based information systems**
  Fabian Schreiter

16:15 h **EGMS Insights – An R-based tool for processing and managing EGMS products**
Dr. Nicuşor Necula, Dept. of Geography, Alexandru Ioan Cuza University of Iaşi, Romania

16:45 h **Informal networking**

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