

GeoAI for Disaster Response: From research to practice

GeoAI 2026 workshop (<https://geoai4dr.ugent.be/>)

Organizers

- *Sam Leroux, UGent-imec*
- *Lisa Landuyt, VITO remote sensing*

Description

By integrating geospatial data with artificial intelligence, GeoAI can enhance situational awareness, decision-making, and response efficiency in disaster contexts. This workshop explores recent advances in machine learning, remote sensing, and spatial analytics for hazard monitoring, damage assessment, and emergency response during man-made and natural disasters. By bringing together researchers, practitioners, and policymakers, the workshop aims to highlight emerging methods, practical applications, and open challenges in leveraging GeoAI for timely, scalable, and resilient disaster response.

Call for presentations

You are invited to submit an extended abstract (600-1200 words). The extended abstract should include succinct and sufficient information about research objectives, significance, a clear methodology to ensure reproducibility, and preliminary or expected findings, where applicable. Extended abstracts presenting a vision and/or opinions are also welcome.

Extended abstracts will be reviewed in a single-blind manner. If accepted (after review), you are either invited to give an oral or a poster presentation at the workshop.

Topics of interest:

- AI for actionable Intelligence
- AI for damage assessment
- Multi-modal data fusion
- Resilient infrastructure
- Case studies and open challenges
- Any other topics related to the use of AI for disaster response.

Please refer to the [workshop website](#) for submission details, deadlines and up-to-date information.