



## Machine Learning at the Austrian Academy of Sciences

# TYPES OF SUPPORT

# AI SUPPORT – Expertise and Feedback

**AI EXPERTISE**



**INSTITUTE FOR INTERDISCIPLINARY MOUNTAIN RESEARCH (IGF)**

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Research: At IGF, my research group focuses on multiple remote sensing and geostatistics applications. We utilize existing models and develop custom solutions to meet our specific needs. For instance, we employ transformer-based approaches to explore the spatial distribution of complex underground structures. This allows us to assess water distribution, connectivity for optimal water supply, and contamination propagation. Our multimodal methods extend to disease management and mineral resource estimation applications. Additionally, we apply machine learning techniques for remote sensing data to classify clouds, snow, vegetation, and other environmental features and explore links between them.

Data Keywords: tabular, non-grided spatial data, images, rasters, timeseries

Task Keywords: generative, classification, regression, information retrieval, stochastic simulation, estimation, uncertainty quantification

## AI EXPERTISE

- A resource for internal and external researchers to locate experts at the ÖAW

**ASC** | Austrian  
Scientific  
Computing

Vienna  
BioCenter



**AI FACTORY  
AUSTRIA**



## AI FEEDBACK

- Regular exchange with CDSO Bernd Wachmann
- Involvement in AI Factory Austria Proposal

## AI SUPPORT – EVENT ORGANISATION

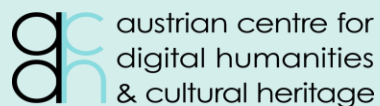
### TYPES OF SUPPORT

- Financial
- Organisational

e.g., AI meets Humanities & Social Sciences Conference

23-25 June 2025

Austrian Academy of Sciences (Main Building, Dr-Ignaz-Seipel-Platz 2, Vienna)



austrian centre for  
digital humanities  
& cultural heritage



IMAFO



UNIVERSITÄT  
KLAGENFURT



Österreichisches  
Archäologisches  
Institut



VID

ÖAW MLA2S

# AI SUPPORT – SCIENTIFIC AI SUPPORT MISSIONS

## PURPOSE

- Support of **short scientific missions** (invited talks and short research visits)
- No submission deadlines (**rolling bases**)
- 4 weeks from submission to the decision
- **EUR 3,000 per project** (EUR 15 000 in total for 2026) for travel, accommodation and subsistence



## Requirements

- Relevant to two or more institutes
- Public talk/lecture

**Submission details:** <https://www.oeaw.ac.at/mla2s/>