

The team of the [Remote Sensing & Topographic LiDAR Research Group](#) (Institute of Geography, University of Innsbruck) conducts fundamental research in the field of Earth Observation in mountain regions focusing on automated information extraction in multiple scales and parameter integration into models for better understanding of environmental processes. We are looking for a

## PhD Student

### *in Environmental Remote Sensing*

with background and interest in satellite remote sensing, automated time series analysis for forest type mapping in the research project **TRACEVE - Tracing the evergreen broad-leaved species and their spread**. Together with partners at the University of Bozen (South Tyrol, Italy), an interdisciplinary team of scientists will investigate the past and potential future patterns of evergreen broadleaf forests in the Mediterranean and Alpine region. The PhD position can be associated with one of the [Innsbruck Doctoral Colleges](#).

#### Required Qualifications

- Master of Science degree in the field of remote sensing, geography, environmental sciences or similar
- Scientific programming skills (preferably Python)
- Profound knowledge of machine and deep learning
- Experience in the processing of multispectral remote sensing time series data
- Proficient in geographical information science and geostatistics using free and open source software

#### Preferred Qualifications

- Experience handling large data sets using high-performance clusters or cloud infrastructure
- Background in remote sensing of vegetation and forests
- Data fusion of radar and multispectral satellite time series

#### We offer

- an excellent research environment working in collaboration with international and interdisciplinary experts
- Duration: 3 years
- Start: 1st of March 2023
- Salary: 2.300€ gross/month, 30h per week ([FWF salary scheme](#))
- Office location at University of Innsbruck (Tyrol, Austria)

If you are interested, please send your motivation letter and CV to [lidar@uibk.ac.at](mailto:lidar@uibk.ac.at) until 15.01.2023 latest.

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