

## Job offer

# Senior Remote Sensing Expert (m/f/d)

## Duty station: Freiburg, Germany

Unique land use GmbH is an internationally leading consulting firm for sustainable agriculture, climate change and forestry. Our vision is transforming land use towards an inclusive and sustainable future for all. We strive for excellency and innovations to the highest satisfactions of our clients. Since establishment in 1998, we have carried out over 1000 projects in more than 80 countries for a wide range of public and private sector clients (e.g., the World Bank, IFC, GIZ, KfW, Danone). Unique's headquarter is located in Freiburg, in the Southwest of Germany. In addition, we have offices in East Africa, Paraguay, Vietnam and Kyrgyzstan. With more than 60 permanent staff, we have a large and diverse team of experts. This allows us to deliver high quality consultancies in different fields of relevance for the land use sector.

Our Digital Solutions Team ([www.digital.unique-landuse.de](http://www.digital.unique-landuse.de)) is supporting our three technical departments (forestry, climate and agriculture and rural development) with digital tools for data collection, data processing, data analytics and reporting. The Digital Solutions Team is working on developing applications for forest and land use monitoring based on forest inventories, remote sensing and an activity-based monitoring of forest and land management operations. We conduct national and project level land cover assessments using GIS and earth observation data. Land cover assessments are regularly part of our services. Biodiversity, nature protection aspects as well as carbon accounting and integrated land use planning are playing a constantly increasing role in our projects.

Unique is seeking to recruit a senior remote sensing expert for our Digital Solutions Team. If you are an enthusiastic, smart and dynamic sustainability professional with a strong passion to make a real difference in transforming the land use sector, you may want to join our team.

### Tasks and responsibilities

As a senior expert in our Digital Solutions Team, you will work at the interface between project teams and the developer team. You will take the roles of business analyst and domain expert in the area of geospatial data science. Your tasks involve:

- Acting as technical and domain expert for our forest management and monitoring related digital tools
- Transforming client demands into digital tools in close cooperation with the developer team, defining user stories and use cases
- Supporting and guiding tool development for remote sensing based services mainly in the area of forest monitoring
- Supporting and guiding the integration of data processing and analysis algorithms into our existing digital tools
- Working closely with the team lead of the Digital Solutions Team on the technical development aspects of the team and with project leaders in our technical departments on projects around the globe

## Required qualifications and expertise

- Master's degree (or higher) in Geoinformatics or another subject related to geospatial data science with a strong interest and experience in remote sensing and land use related data science
- Additionally experience in the area of forestry, ecology or biodiversity would be a plus
- Experience in agile work environments
- Technical knowledge and work experience in processing satellite imagery, land use and land use change analysis
- Technical knowledge and work experience with spatial databases. Technical knowledge and work experience with LiDAR and/or photogrammetry would be a plus
- Hands-on work experience in Python and PostgreSQL with PostGIS. Optional experience with platforms such as Google Earth Engine or Sepal for the purpose of time-series analysis and deforestation/forest degradation monitoring is an additional asset
- Strong communication skills
- You are proficient in English and have German language skills. French or Spanish language skills would be an asset

Duty station will be at Unique headquarters in Freiburg, Germany, with occasional short-term missions into project countries.

Unique offers a dynamic, innovative and agile work environment with a high degree of autonomy. Our culture is based on a flat hierarchy and infused with a collaborative spirit. At Unique talents are encouraged and recognized for the initiatives they take to answer client needs, to build a better firm and to build their professional journeys.

Unique is a diverse and highly motivated international team. We offer flexible work arrangements and a competitive salary and benefit package.

Applications from women are particularly welcome.

Please send your application (CV and motivation letter) by June 15th, 2022 to [application@unique-landuse.de](mailto:application@unique-landuse.de)

Only applications in pdf-format will be accepted. We would appreciate if you could inform us in your application email how you found out about this position.