



## JOB OFFER

### Forest Sector IT expert Duty station: Freiburg, Germany

#### **Background**

UNIQUE is a leading consulting firm for sustainable natural resource management, with a specific focus on forestry, agriculture and climate change. Since our establishment in 1998, we have carried out over 700 projects in more than 75 countries. UNIQUE's headquarters are located in Freiburg, in the Southwest of Germany. In addition, we have offices in East Africa, Paraguay, Vietnam and Kyrgyzstan. Our team consists of forestry and agricultural engineers, economists and political scientists. With more than 60 permanent staff members, 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 clients include forestry and agricultural enterprises, development cooperation organizations as well as public clients and non-governmental organizations.

UNIQUE is seeking to recruit a forest sector IT specialist to join our forestry consulting division. We are looking for someone to work on complex GIS and remote sensing tasks and the development of related databases and software applications. The division is developing business applications for EO data in the forest sector, implementing large and national forest inventories including land cover assessments, as well as providing technical support for environmental protection surveys. To date, we have carried out more than 50 projects in the field of information technology in the forestry and land use sector in over 20 countries.

#### **Tasks and responsibilities**

As a forest sector IT expert, you will work within our team, which offers a range of GIS and IT services:

- Geoinformation services: i) Mobile geodata acquisition & airborne data acquisition (LIDAR, UAV), ii) Digital cartography, iii) Aerial photo interpretation & remote sensing, iv) Land use analyses & land use forecasts, v) Complex spatial analysis and modeling ( e.g. climate, soil , digital site mapping, market issues in the timber industry)
- Application development: i) Software tools for forest inventory and forest management, ii) Spatial database development, iii) APP development – web-based and native, iv) Web portals – concepts and implementation, v) Web-based land use monitoring
- IT Consulting: i) Consulting in the field of information management on the basis of business process & demand analyses, ii) developing IT concepts for land managing and forestry bodies

#### **Required qualifications and expertise**

- Master degree (or higher) in GIS / IT or Geoinformatics with a strong interest in forestry and environmental monitoring; or master degree in forestry or equivalent with strong focus on Programming, GIS and Remote Sensing and/or Forest Inventories

- Technical knowledge and work experience in spatial DBMS, SQL and programming are required.
- You should have hands-on work experience in R and/or (Web) Python.
- Experiences in PHP, Java or JavaScript are an additional asset.
- Experiences in forest inventories, statistic or forest modelling are an additional asset.
- Minimum of 2 years of professional experience, 1 year in case of PhD
- Proficiency in English is a must, German language skills are desired, French or Russian would be an additional asset.

**UNIQUE offers an open ended position** after a 6-month probation period. We provide a dynamic and innovative work environment with high flexibility (new concepts, techniques, business ideas). We are a diverse and highly motivated international team. A competitive salary and benefit package is provided.

Applications from women are particularly welcome.

Please send your application (CV and motivation letter) by October 15, 2019 to: [application@unique-landuse.de](mailto:application@unique-landuse.de). Only applications in pdf-format will be accepted. Please tell us in your e-mail how you found out about this position.