



## **Student assistant position (20%): Web-GIS developer in training**

The Geographic Information Systems division is looking to hire a student assistant (20%) to support the development of a web dashboard for a spatial database, containing geographic distributions of languages. The web interface will be part of a new research project applying extended GIS methodology to better understand the spatial distribution of languages worldwide, and is partly funded by the NCCR Evolving Language.

We are looking for a person who could start mid to end October 2021.

**Contact Person: Gereon Kaiping** <[gereon.kaiping@geo.uzh.ch](mailto:gereon.kaiping@geo.uzh.ch)>

### **Your responsibilities**

- Support two postdocs in implementing a dynamic website to browse a spatial database
- Test, document, and debug a Web-GIS application
- Occasional support in other project-related tasks, depending on your interests and expertise

### **Your profile**

- You are a Master or advanced Bachelor student in geography or computer science.
- You have implemented your own (not necessarily web-based) program in a programming language that can be used for web applications (eg. Python, Ruby, Node.JS)
- Ideally, you have experience either with Python, or with web programming in the programming language of your choice.
- Web-GIS programming aligns with your future career plans, no matter whether you have got involved with it already or not.
- You have created dynamic maps in Leaflet with custom styles.
- You have a basic understanding of relational databases.
- You can communicate both technical overviews and details, both in written (reading and writing documentation) and spoken form (meetings with project members).
- You do your own quick investigations to solve a problem, but you don't hesitate to ask questions and learn new techniques.

### **We offer**

- A 6-month student assistant (20%) position, which can potentially be extended
- Working in a small team on a new research project, with the chance to shape it if interested
- Learning Web-GIS development on-the-job, with a say in the technologies to be used
- Research opportunities (eg. Master's thesis or project course topics, workshops, other positions) in advanced spatial analysis, applied to language diversifications
- Flexible allocation of your work time depending on your availability

We welcome your application by email to <[gereon.kaiping@geo.uzh.ch](mailto:gereon.kaiping@geo.uzh.ch)> in the shape of up to one page motivation letter and one page CV. If you have a bit of code to show, feel free to include it – eg. as link to Github or a website you contributed to, or as attachment if it is not very big. The deadline for applications is 10 October 2021.

For further inquiries, contact Gereon Kaiping <[gereon.kaiping@geo.uzh.ch](mailto:gereon.kaiping@geo.uzh.ch)>.