



JOB OFFER

2-years post-doc position in (geo)physics and ionospheric research

The Operational Directorate “Reference Systems and Planetology” of the Royal Observatory of Belgium (ROB), and more specifically its section “Time & Ionosphere”, is looking for a post-doc specialized in data processing, data base and web development. The goal is to create new web tools to be used for Earth ionospheric research.

This scientific team is specialised in ionospheric monitoring and research. To complete its activity the candidate will use the home-made software to routinely monitor the ionospheric electron content in a global scale. During this 2-year postdoc, the candidate will adapt the software to process global GNSS data and develop a database from to relevant information can be extracted. The first aim of the work is to develop and create new web tools to be used for Earth ionospheric research. On a scientific point a view, the candidate will use these new tools to interpret the ionospheric variability during geophysical events such as earthquakes, tsunamis, hurricanes, and space weather episodes.

The candidate must have a PhD in physics/mathematics/geophysics/geography or equivalent and a good knowledge in data base and web development. Applications that include one or more of the following characteristics/qualities will be ranked as a priority:

- Skills in data base and web development, and data processing (programming languages such as bash, Perl, Fortran, python ...).
- Strong research background or interest in earth science.
- A good knowledge of ionospheric research and GNSS data analysis is an asset.
- Proficiency in written and spoken English. Knowledge of French, Dutch or German is an added value.

The candidate is expected to be part of the Time & Ionosphere team of the ROB, to be able to work autonomously, as well as to participate to some operational activities. Strong communication skills and an open-minded personality are also expected.

How to apply:

- The candidate needs to send a cv and a motivation letter to Dr. Nicolas Bergeot (nicolas.bergeot@oma.be) at the latest on November 30, 2021.
- The candidate needs to demonstrate past activity in the desired fields.
- The candidate must provide two recommendation letters.