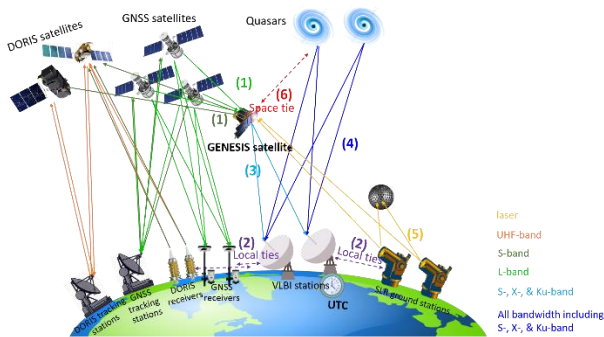




# JOB OFFER

The Royal Observatory of Belgium is looking for a scientist for the PRODEX project on GENESIS



Thanks to an important support from the PRODEX (Program for the Development of Scientific Experiments) program managed by ESA (the European Space Agency) in collaboration with the Belgian Federal Science Policy Office, two positions for scientists ( activity group I ) will be available in the frame of the GENESIS mission for the period 2024-2025. GENESIS will be launched in 2028. It is the first-ever satellite with all four space-based geodetic techniques on-board, namely Global Navigation Satellite System (GNSS), Satellite Laser Ranging (SLR), Very Long Baseline Interferometry (VLBI) and Doppler Orbitography and Radio-positioning Integrated by Satellite (DORIS). The main

mission objective is to improve the international terrestrial coordinate frame (International Terrestrial Reference Frame, ITRF). Furthermore, the GENESIS mission will allow to improve the International Celestial Reference Frame (ICRF), and thereby the link between the two frames, and thus the Earth Orientation Parameters (EOP). The Royal Observatory of Belgium (ROB) participates in the GENESIS mission by ensuring that it can achieve its scientific goals and follows the development of the novel VLBI transmitter (VT) as well as its scientific use.

The positions will be fulfilled starting as soon as possible in 2024 (considering the administration steps, it is estimated to be in October 2024), to work within the work packages that have the objectives to build the scientific requirements for the VLBI Transmitter (VT), to follow the VT development with space industry, and to simulate the VT observations and the conditions for the GENESIS mission. Starting dates are flexible. The employment is expected to start in October 2024. We are looking for enthusiastic and motivated scientists or engineers with a PhD in sciences or engineering.

We offer a competitive salary following the salary scale SW11 for federal government academic staff, flexible working conditions and additional benefits.



## WE ARE LOOKING FOR

The candidate must have a PhD in Sciences or Engineering. Students who are at the end of their doctorate and who will get their PhD diploma in a reasonable timing (less than 3 months from the application deadline) may also apply.

He/she must possess several of the following characteristics:

- strong interest in the field of space geodesy,
- experience/knowledge in geodesy or telecommunication,
- experience in geodetic data analysis,
- scientific curiosity,
- creative and pragmatic problem-solving approach,
- capability to work in a team,
- capability to work in English.

## HOW TO APPLY

Send a full CV (including grades), a motivation letter, and two or three reference names by 15 August 2024 to [v.dehant@oma.be](mailto:v.dehant@oma.be), at ROB. The beginning of employment will be on October 1st, 2024 or later.