

(Bio)-Engineer in charge of the technical implementation, monitoring and data management of environmental measurement chains for ICOS-Belgium

Context

The BioDynE (Biosystems Dynamics and Exchanges) axis at the Faculty of Gembloux Agro-Bio Tech (University of Liège, Belgium) is hiring an engineer to set up and monitor its experiments in the framework of the ICOS (Integrated Carbon Observation System, <https://www.icos-ri.eu/>, <http://www.icos-belgium.be/>) project.

He/she will work within the ICOS-Wallonia-Brussels team, a dynamic team of two (bio)-engineers and two technicians that seeks to understand the functioning of agronomic and forest ecosystems to meet tomorrow's environmental challenges (reduction of the greenhouse effect, feeding the population, ...). The team is integrated in the BioDynE research axis which provides a stimulating work environment in a university setting, including multiple collaborations with researchers and technicians.

The call will close on November 1st 2021.

Definition of the tasks

The engineer will be responsible for the installation of the ICOS research infrastructure on Walloon experimental stations in accordance with the specifications imposed. Specific and punctual technical support will be available but a high degree of autonomy is required.

He/she will:

- Design, set up and monitor physical measurement chains (weather, energy or material flows, etc.) in the laboratory and in the field (crop plot, grassland or forest);
- Provide support to the technical team in charge of maintenance and troubleshooting and ensure the calibration operations of this network of instruments;
- Communicate to the ICOS network all technical interventions and possible malfunctions;
- Manage the transfer, validation and processing of the acquired data in order to prepare them for their exploitation by the scientific community;
- Participate to the professional ICOS network at the European level.

Profile

- The successful candidate will have a degree in Industrial Engineering with an electromechanical or electronic orientation, or a Bio-Engineering degree in Environmental Sciences and Technologies, or a Civil Engineering degree in Electricity or Electromechanics, or an equivalent degree, and will have a passion for the design and implementation of measurement chains and data processing;
- Good knowledge of English (written and spoken), minimum level B2;
- Readiness to work in a mainly French-speaking environment and willingness to learn the basics of French to ensure an optimal communication within the team;
- A good sense of initiative and autonomy combined with an ability to work in a team, including outside the field of study;
- Rigour and the ability to work within a quality and safety framework;
- Adaptability to experimental constraints;
- Curiosity and taste for new technologies;
- Holder of a driving licence.

Conditions

- Fixed-term contract of 4 years and 7 months
- Gross monthly salary: 3034.44€, 3317.73€ or 3732.10€ depending on the diploma (Scale 101, 102S or 103, full-time, at the start of the grade, possibly increased by the home or residence allowance);
- Possibility of counting up to 5 years of seniority
- Office hours (no staggered hours), between 27 and 31 days of annual leave depending on the age and about 10 supplementary days of annual leave (non-acquired right).

Applications and further information

Applications must be sent to Mr Bernard HEINESCH by e-mail to the following address bernard.heinesch@uliege.be before **November 1st 2021**. Information can be obtained at the same address or at +32.81.62.24.92