Permanent scientific position (full-time) in the field of “Intergarded Water Resource Management (North and South)”

Start date: 01/10/2022

Vacancy reference: FS-20211215-05

Job description
A first assistant position in the field of Integrated Water Resource Management (North and South), attached to the Department of Environmental Science and Management.

Teaching activities
Following the reform of the Master in Environmental Sciences and Management, the applicant will give the following courses:

- ENVT3040-1 Integrated and participatory water resources management 4 credits
- ENVT0736-2 Development project management and communication (joint facilitation with BT) 2 credits
- ENVT0900-1 Socio-economics of water - (joint facilitation) 2 credits
- ENVT0056-1 Irrigation and water management 4 credits

Research Activities
Research will focus on the development of Integrated Water Resources Management (IWRM) conceptual models to improve water resource management and governance. In an increasingly fast-moving and interconnected world, this concept of IWRM will need to be continually adapted to the new context and be applicable at different spatial scales in both the North and the South.

To monitor these water resources, more and more data and tools are available: from official networks of meteorological, hydrological and hydrogeological stations and/or sensors measuring environmental parameters (often at local or plot level) to high spatial and temporal resolution satellite products, with their derived products (e.g. vegetation indices, drought indices, visualisation and processing platforms (Google Earth Engine)), covering the whole globe. In addition to these official data, there is an increasing amount of data and observations from citizen science initiatives in the monitoring of environmental resources now possible through social networks. The conceptual approach will have to propose a method for the efficient use of these different sources of information with a view to communicating to managers and decision-makers, whoever they may be (public, private, NGOs, etc.), information that is synthetic, scientifically based, relevant and easily exploitable by them.

This IWRM concept will have to include different components: methods for collecting quality data (at local, national and even regional/international level), data processing tools including simulations of management scenarios, and tools for disseminating and publishing the results to feed into debates and/or decision-making discussions.
Services to the Community
- participation in pooling assistant posts for the Master’s courses on the Arlon environment campus;
- participation in campus governance bodies (departmental council, student council, jury, etc.).

Qualifications required / profile
• Must hold a PhD in Science.

A long-term post-doctoral research stay abroad is a major asset.

Selection procedure
The selection procedure will be in accordance with the regulations applied within the University of Liège.

Our institutional policy is based on diversity and equal opportunities. We select candidates on the basis of their qualities regardless of age, sexual orientation, origin, beliefs, disability or nationality.

Applications
Applicants are requested to submit their applications electronically, to the following address: Postesscientifiques@uliege.be with a copy to Ms Françoise Motte - francoise.motte@uliege.be by 18/03/2022 at the latest.

Documents required:
• Applications should be submitted (with a cover letter) accompanied by a complete curriculum vitae (see the procedures on the website of the Faculty of Sciences at: https://www.sciences.uliege.be/emploi-sciences);
• A report on past and current research activities and a research plan, including the envisaged integration within the University of Liège;
• A teaching file including a report on any prior teaching activities and a teaching plan;
• A copy of any publications (electronic version).

Recruitment conditions
The position shall be assigned either for a fixed term of four years, which may lead to the permanent appointment of the person concerned or on a permanent basis from the outset.

Information
Any further information can be obtained from Ms Françoise Motte - tel: +32 (0) 4 366 52 04 - francoise.motte@uliege.be

Remuneration:
Salary scales and how they are applied are available from the human resources department of the university: Ms Ludivine Depas – tel.: +32 (0 ) 4,366 52 04 – Ludivine.Depas@uliege.be