

IRSS is looking for a developer for the International Disaster Database EM-DAT

Context: The Centre for Research on the Epidemiology of Disasters (CRED) has been active for over 40 years in the fields of international disaster and conflict health studies, with activities linking relief, rehabilitation and development. The Centre promotes research, training and technical expertise on humanitarian emergencies, particularly in public health and epidemiology. It is composed of a multidisciplinary and international team of researchers and technical and administrative staff. The centre is part of the Institute for Health and Society (IRSS) within UCLouvain.

The International Disaster Database EM-DAT was created by CRED in 1988, and consists of a systematic compilation of disaster impact data on a global level. The data goes back until 1900, and is updated on a daily basis. It contains data on the human impact (e.g. number of deaths, number of injured, number of affected), economic impact, and characteristics of the disaster. The disaster footprint of all natural disasters since 2000 is geolocated.

Job description: We are looking for someone to develop certain components of the EM-DAT database. Specifically, it concerns:

- Modernisation of the data entry interface
- Development of a mapping tool for the georeferenced data
- Development of a dynamic visualisation tool

In addition, the candidate is expected to provide general IT support to the team and participate in other new or ongoing research projects

Duration: Initially 6-month contract, renewable (from April 2020 onwards).

Profile:

- The candidate has a relevant master's degree, e.g. (bio)informatics, data science, physics
- And/or the candidate has demonstrable experience in software development
- Experience in SQL Relational database systems, such as MySQL, is required
- Experience or interest in the following technologies are an asset:
 - Javascript/NodeJS (Angular and/or React)
 - MongoDB
 - the Go programming language
- Experience in website development is considered an asset
- The candidate is expected to work on the aforementioned tasks autonomously, while providing updates to the team on a weekly basis
- Good knowledge in written and spoken English is required. French is desirable but not mandatory

Application: Please send the CV and letter of motivation to Dr. Joris van Loenhout (joris.vanloenhout@uclouvain.be)

Salary: Salary according to official University regulations.

Deadline: Open until 1st of March 2020.

For any further information, please contact Joris van Loenhout at the following e-mail address: joris.vanloenhout@uclouvain.be or phone number: +32 2764 3455