

IGEAT

Institut de Gestion de l'Environnement et d'Aménagement du Territoire
Institute for Environmental Management and Landuse Planning



Researcher (m/f) in Geospatial Analysis

The project

SMART-POP (Spatially plan the population growth in Wallonia and, in particular, in Liege for shaping the Smart Cities) is a 3-year research project co-funded by ISSEP (Fonds Moermans) and the Belgian Science Policy Office. The project aims at mapping population with detail in order to assess population vulnerability by using existing geodata complemented with available aerial and VHR satellite remote sensing data and mobile data.

Your main tasks

- Pre-process the mobile data, locate the antennas and build a geographic database
- Analyse the data with statistical methods to estimate the population at several key period of time (night, working days, week-end, holidays) and calibrate them with census data
- Participate to the development of a methodology to use the dynamic population data in order to improve land use mapping

Your profile

- MSc in Geography (or equivalent)
- You have a background in GIS and spatial analysis; an experience in quantitative statistical analyses and programming with R are important assets.
- You are fluent in French and in English
- You are able to organize your work independently but you are also a good team-player

Our offer

- A 6 to 8 months research contract in a small and enthusiastic research team (ANAGEO – Geospatial Analysis) part of a pluri-disciplinary institute included in a large department of the Faculty of Science of the Université Libre de Bruxelles
- An exciting collaborative research project
- Exceptional data to process

You can apply for this position by sending your CV and a cover letter by email to Dr. Eléonore Wolff (ewolff@ulb.ac.be), Laboratory Director (ANAGEO), before the 15th of August 2016.