

End-user assessment of a Geospatial Cloud Computing Platform

Post-doctoral position

FP7 project IQmulus

IGN – Valilab

Saint Mandé, France



Context

This position is funded by the european FP7 project IQmulus (www.iqmulus.eu), subtitled « A High-volume Fusion and Analysis Platform for Geospatial Point Clouds, Coverages and Volumetric Data Sets », which goal is to develop a platform that provides the needed functionalities to integrate latest research results in data processing and visualization to tackle important real-life challenges in geospatial applications. Given the wide choice of different available sensors and the massive amounts of data thus obtained, combined with the intent to provide useful knowledge in an appropriate period of time, the platform thus has to be scalable in processing and storage, and capable of handling the four aspects of variety, volume, velocity and analytics that are commonly associated with the term Big Data. New emerging data acquisition techniques provide fast and efficient means for multidimensional spatial data collection using a combination of ground, air-borne and space-borne sensor platforms. All these systems provide point clouds, often enriched with other sensor data, yielding high volumes of raw data.

Mission

- Coordination with the team (from IGN's SAI service) in charge of external user assessment ;
- Specification of the overall user assessment methodology ;
- Organization of training workshops for internal end users ;
- Internal (IGN's) end users support during the user evaluation phases ;
- Collection of internal end users feedbacks, analysis, reporting and recommendations for future developments.

Profile

- Phd in Computer science or Geographic information science ;
- Strong skills in development, design and integration of on line platform or information system ;
- Knowledge in geographical data processing and visualization ;
- Experience in project management ;
- Good French and English reading and writing skills ;
- Experience of evaluating projects preferred.

Organization

- Deadline for application May 8^h 2016.
- Mission's start date : as soon as possible
- Mission's end date : October 2016.
- Location : Valilab, IGN, Saint-Mandé / Marne-La-Vallée, France
- Salary : depends on the candidate experience.

Application

Applications must be sent to the contacts in a single PDF-format and include :

- A detailed CV with a description of realized projects and publications ;
- A motivation letter ;
- A summary of the thesis ;
- 2-3 recommendation letters.

Contacts

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