August, 01, 2011

Vacancy: GIS Coordinator

The European Topic Centre for Spatial Information Analysis (ETC/SIA) is an international consortium assisting the European Environment Agency (EEA) in its mission to deliver information on the state and trends of the environment. The lead is the University of Malaga, Spain (UMA).

ETC/SIA is organizing a competition to recruit a highly motivated and well qualified candidate to work as a GIS coordinator. This position seeks to reinforce ETC’s support to the EEA by coordinating the data management within the core team and the consortium partners.

The GIS coordinator will be motivated, professional team player who can demonstrate excellence in data management for environmental assessments, ability to innovate and have the potential to take increasing responsibilities.

The place of work is Malaga, Spain.

**Main Functions & Requirements:**

- Being the EEA interlocutor to contribute in defining spatial analysis solutions to needs expressed in the Annual Implementation Plan (IP), adjusting methodologies to data availability
- Coordination of the ETC/SIA GIS core team to implement EEA’s requirements as well as to provide the expertise required at internal level.
- Conducting complex and heavy spatial analyses for Europe. Proficiency in ESRI GIS (ArcGIS / ArcInfo / ArcView and its extensions / modules, especially GRID / Spatial Analyst, ArcSDE) software and relational DB management (i.e.PostGreSQL, mySQL) is a key requirement

**Formal requirements:** Candidates applying must satisfy the following general requirements on the closing date for the submission of applications:

- Citizenship of one of the Member Countries of the EEA;
- Enjoy full rights as a citizen;
- Have fulfilled any obligation imposed by law concerning military service;
- Meet the educational requirements
Education certificates and diplomas:

- A university degree relevant to the field concerned attested by a diploma or an official Master

Range of professional experience and skills:

- A minimum of five years of relevant professional experience in an international environment, in particular in the area of data management for environmental information
- Knowledge and understanding of the European environmental and regional policies, as well as the European data policy such as INSPIRE and SEIS

GIS/DB/system management

- Responsible for server hardware and software licenses maintenance
- Server software administration and maintenance of the data (i.e. SQLServer, ArcSDE) through backups, query optimisation, development of procedures and triggers (i.e. T-SQL in SQLServer), DB configuration, or security administration

Data management

- Knowledge of working with spatial databases (ArcSDE for SQLserver)
- Knowledge of setting up quality control procedures and workflows for spatial data
- Ability to design and implement spatial relational data models
- Ability to combine license and open source technology
- Thematic knowledge of environmental data, especially land use and land cover
- Hands-on knowledge on GIS and river systems (hydro systems, i.e. ArcHydro would be an asset

Analytical work

- Familiar with the techniques of modelling. Modelling is understood as the construction of analytical workflows
- Experience with commercial software such as ESRI (i.e. ArcGIS) and open-source software (i.e. Grass, GvSIG, Kosmo, QGIS, etc)
Able to apply and research new methodologies to data analysis and spatial data processing as well as develop new custom analytical tools using any programming language (Java, VB, ArcObjects, Python, etc).

**Visualisation and dissemination work**

- Ability to design and implement shared environment information system (SDIs / Geonodes) based on license-commercial solutions and open source technology.

**Coordination work**

- Team-orientated and exhibit strong oral and written communications skills.
- Ability to lead multi-cultural team within a complex, decentralized organization.
- Ability to communicate and present ETC’s position in international workshops and conferences.
- Good organizational skills and highly developed interpersonal skills.
- Ability to guide and train other analysts in the use of advanced spatial analysis techniques would be an asset.
- Good command of English. Good command of Spanish would be an asset.

**Characteristics of the contract:**

- Contract start: 1 October 2011 (probation period 6 months).
- Foreseen Duration: 1 year with possibility of extension till the end of the project.
- Working period and place: 35 hours a week, from Monday to Friday (9h-17h). Parque Tecnológico de Andalucía (PTA), Málaga, Spain.

**Benefits and Compensation**

Compensation and benefits are determined by the rules of the UMA. The starting yearly gross salary will be in the range 42.000 € - 44.000 € and depends on experiences. It is a full time position.

We value and support diversity and equal opportunities for employment.
Necessary application materials (in English):

- Cover letter / Application
- **Euro CV**
- References, Publications
- 2 referees
- Scans of university degrees

The application has to be provided before August, 14th 2011 to:

Andreas Littkopf, Manager of the ETC/SIA

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