



Geographic Information Systems Programmer and Analyst (Consultant)

14 November 2019

The [OECD](#) is a global economic forum working with 36 member countries and more than 100 emerging and developing economies to make better policies for better lives. Our mission is to promote policies that will improve the economic and social well-being of people around the world. The Organisation provides a unique forum in which governments work together to share experiences on what drives economic, social and environmental change, seeking solutions to common problems.

The Centre for Entrepreneurship, SMEs, Regions and Cities ([CFE](#)) helps OECD and non-OECD countries to design and implement policies that promote job creation, economic growth and social cohesion. It serves as the OECD hub on local and regional development and cities and works to make SMEs, entrepreneurship and territorial development policies more effective at the national, regional and local levels. It includes the Secretariats serving the Regional Policy Development Committee (RDPC) and its three Working Parties, the Working Party on SMEs and Entrepreneurship (WPSMEE), the Tourism Committee and its Working Party, and the Local Economic and Employment Development (LEED) Directing Committee.

[CFE](#) is looking for a Geographic Information Systems (GIS) Programmer and Analyst. The selected candidate will assist in the identification, treatment and documentation of geospatial and geo-referenced data suitable for construction of policy-relevant indicators, development of appropriate methodologies and production of the indicators, management and updating of the associated databases, and in the preparation of related statistical and indicator-based reports. The selected candidate will report to the Head of the Territorial Analysis and Statistics Unit and to the Head of the Economic Analysis, Statistics, Multi-level Governance Section in CFE.

Main Responsibilities

GIS data collection, treatment and processing

- Identify, compile, review and process geospatial and geo-referenced data on environmental and socio-economic aspects of relevant policy issues, with a view to constructing sub-national indicators. Check data for completeness, consistency and plausibility.
- Liaise with the producers of geospatial and geo-referenced data to resolve data anomalies and definitional issues and ensure best use and interpretation of the available data.
- Assist in the development of methodologies for the construction of analytically-sound and policy-relevant indicators.

GIS database management

- Maintain a database and contribute to the production and updating of GIS-based data series and indicators, in collaboration with other team members.
- Create and maintain documentation (metadata) on the data sources and the methods by which input data have been processed.

GIS analysis

- Prepare tables, charts, maps and technical annexes to be included in data and indicator reports, and in country peer reviews.
- Assist in drafting explanatory notes on the data and indicators produced, and relevant technical and analytical documents.



- Assist in the preparation of data files used in the dissemination of these data (OECD.Stat portal, Statlinks, etc.).
- Support the team in preparing interactive visualisation and other web-content.

Other tasks

- Contribute to the development of the OECD-wide activities on geo-spatial analysis
- Develop and maintain documentation on work procedures covering all aspects of the production cycle.
- Contribute to continuous improvement of the GIS infrastructure for the production of indicators.
- Undertake other GIS tasks as may be required in the Division.

Ideal Candidate Profile

Academic Background

- An advanced university degree in geographic information science, geography, environmental sciences, environmental engineering, remote sensing, computer science, or related field, with specialisation in geographic information science.

Professional Background

- Proven experience in GIS data treatment and processing, GIS database management and GIS analysis.
- Experience in GIS data treatment, interpretation and use, in developing graphical representations of the data, and in the preparation of statistical documents and reports.
- Familiarity with existing geospatial datasets relevant to human settlements and socio-economic conditions would be an asset. Good knowledge of urban and regional development policy in OECD countries would be an advantage.

Technical and Quantitative Skills

- Very good knowledge of state-of-the-art methods for spatial and GIS analysis, and ability to adapt to new statistical and computing techniques.
- Very good knowledge of relevant geospatial data formats and their efficient management.
- Excellent command of desktop-based GIS software (particularly ArcGIS and QGIS).
- Excellent knowledge of large computerised databases and practical experience with statistical software to manage those databases (e.g. SQL, PostgreSQL, PostGIS).
- Strong programming skills (Python, R, Javascript (D3.js), etc.) are highly desirable.
- Good command of STATA or similar statistical software is highly desirable.

Languages

- A very good written and oral command of one of the two official languages of the Organisation (English and French) and a working knowledge of, or willingness to learn, the other.

Core Competencies

- For this role, the following competencies would be particularly important: Achievement focus, Analytical thinking, Drafting skills, Flexible thinking, Teamwork, Client focus.
- Please refer to the level 2 indicators of the [OECD Core Competencies](#)

Contract Duration

- One-year fixed-term appointment, with the possibility of renewal. Competitive salaries will be offered adapted on the experience of the candidate.

Interested candidates should send their CV and motivation letter to: paolo.veneri@oecd.org by January 7th, 2020.