



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

**2021-IPR-E1-FGIV-017168**

**FG IV - PROJECT OFFICER -  
GLOBAL HUMAN SETTLEMENT LAYER**

**POSITION FOR:**

Member of the contract staff FGIV – art. 3b of the Conditions of Employment of Other Servants  
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1962R0031:20110101:EN:PDF>

**WE ARE:**

As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <https://ec.europa.eu/jrc/>

The current vacancy is with the Disasters Risk Management Unit of the Space, Security and Migration Directorate in Ispra, Italy. This Unit provides scientific and technical support to EU policies addressing global security and crisis management. The unit is responsible for the Copernicus Emergency Management Service (CEMS) as well as the Disaster Risk Management Knowledge Centre and the Global Human Settlement Layer (GHSL).

**WE PROPOSE:**

The position is for a FG IV Project officer in the Global Human Settlement Layer project to perform research and development, as well as knowledge management, on monitoring of population and settlements in the context of disaster risk reduction and sustainable development policies.

The first objective of the position is to support the methodological development of the Global Human Settlement Layer (GHSL) to assure continuity and evolution of GHSL information production at European and global level. This includes spatial analytics of the GHSL data also in combination with other geospatial data sets. A special focus is on the usability of Copernicus data for the production of indicators to monitor sustainable urban development and disaster risk reduction.

The derived new findings will be integrated into scientific reports and policy documents, such as the Atlas of the Human Planet, one of the core deliverables of the team, and other scientific and institutional reports as requested.

The second objective is to follow the implementation of the framework contract that integrates the production of the GHSL data into the Copernicus Emergency Mapping Service. This comprises the monitoring of progress by and discussions with the service providers as well as the participation in Copernicus meetings.

The successful candidate will perform the following tasks:

- Perform spatial analytics of the GHSL data through integration with other global/regional geospatial data sets to generate new policy relevant knowledge related to disaster risk reduction and sustainable urbanisation
- Develop and analyse spatial indicators for sustainable urban development and disaster risk reduction based on GHSL data
- Produce reports and peer reviewed scientific publications on the use of GHSL data in global or regional applications that support development and cooperation, the Sustainable Development Goals, the Sendai Framework for DRR, and the New Urban Agenda and the Paris Agreement.
- Support the integration of the production of the GHSL data into the Copernicus Emergency Mapping Service
- Contribute to a better understanding of the link between urbanization and disaster risk in Europe and globally in line with the Disaster Risk Management Knowledge Centre (DRMKC)

objectives.

- Maintain and initiate, in the context of the DRMKC, networks and partnerships related to urbanisation and disaster risk reduction.

#### **WE LOOK FOR:**

The ideal candidate should have a degree in a relevant scientific area (geo/natural sciences, environmental engineering, ICT, urban planning) together with a minimum of 3 year of research experience or a Ph.D.

The following skills are essential:

- Experience in handling and analysing large datasets
- Experience in Geographic Information Systems including QGIS and ArcGIS
- Familiarity with the indicator system of the international frameworks, like the SDG's
- Proven ability to draft peer reviewed scientific publications.
- Demonstrated self-initiative with the ability to work in a team
- Good communication skills (written and spoken) in English (C1)

The following skills are useful:

- Experience with knowledge management
- Experience with publishing software
- Experience in statistical analysis
- Experience with multi-disciplinary teams

#### **INDICATIVE CONTRACT'S DURATION:**

36 months initial contract with possible renewals up to maximum 6 years.

#### **PLACE OF WORK:**

Ispra (IT)

#### **RULES AND ELIGIBILITY:**

To be eligible for the position, the candidate must be on a valid EPSO reserve list for Function Group IV contract staff.

You can be added to an EPSO reserve list if you complete successfully an EPSO selection procedure.

Candidates who are on a valid EPSO reserve list or have applied to an EPSO selection procedure can apply to this specific position through <http://recruitment.jrc.ec.europa.eu/?type=AX>.

#### **How to apply to an EPSO selection procedure?**

Apply either to the permanent EPSO call (CAST Permanent) [https://epso.europa.eu/documents/2240\\_en](https://epso.europa.eu/documents/2240_en) or a specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

The CAST Permanent reserve list is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), whereas the specialised reserve list for researchers (JRC Call COM/1/2015/GFIV – Research) is mainly used by the JRC.

#### **RECRUITMENT POLICY:**

The JRC

- Cultivates a workplace based on respect for other people and the environment.
- Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.