



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-E1-FGIV-016912

**FG IV - Scientific Project Officer
Risk Data Hub and Science Pillar of the Knowledge
Network**

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 in the Disasters Risk Management Unit of the Space, Security and Migration Directorate. This Unit provides scientific and technical support to EU policies addressing global security and crisis management.

WE PROPOSE:

A challenging and rewarding post as scientific officer to play a decisive role in further developing the Risk Data Hub and the implementation of the Science Pillar of the Knowledge Network supporting the Union Civil Protection Mechanism and Member States.

The focus will be the collection, recording and analysis of data (including geospatial data) on natural and man-made hazards, exposure (human and physical) and on vulnerability for improving risk assessment (including multi-hazard risk assessments).

The work involves also advanced statistical analysis of disaster loss data and harmonization of loss indicators collected from different sources.

Additionally, s/he will be expected to provide scientific and technical support to the implementation of the Science Pillar of Knowledge Network of the Union Civil Protection Mechanism, which will bring together and foster a network-based exchange between scientists, practitioners, and decision makers to work together across organizational, spatial and disciplinary boundaries and better apply scientific knowledge to Disaster Risk Management.

Specific tasks will focus on:

- Improving and further developing the risk assessment module of the Risk Data Hub;
- Consolidating and further developing the Disaster Loss data module of the Risk Data Hub;
- Contributing to the implementation of the Science Pillar of Knowledge Network of the Union Civil Protection Mechanism through the analysis of disaster risk management related data, reporting and disseminating key data and findings to non-technical audiences.

The job holder will contribute the Unit's work in partnership with a number of Commission Directorates General, with Member states and public and private entities.

WE LOOK FOR:

A highly motivated, pro-active and well-organised candidate with a degree in data analysis and statistics, in particular geospatial data analysis.

The candidate must have at least three years of experience in data sciences and geo-informatics after the university degree or have a Ph.D.

The candidate should have relevant experience in computer/data science and Geographic Information Systems applied to the field of Disaster Risk Management (knowledge of python, R or equivalent statistical software as well as GIS).

The successful candidate should also have a demonstrated capacity to communicate technical and scientific information. A very good command of English (C1 level) as well as of another official EU language is necessary.

The following are essential requirements:

- Experience in data pre-processing, analysis and visualization
- Experience in dealing with geospatial information
- Knowledge of Python/R
- Experience in statistical methods and data visualization
- Demonstrated self-initiative with the ability to work in a team
- Proven experience in report writing to disseminate key data and findings to non-technical audiences.
- Very good communication skills (written and spoken) in English

The following will be considered as assets:

- Experience in Disaster Risk Management
- Experience in risk assessment including multi-hazard risk assessment
- Experience with knowledge management
- Experience with multi-disciplinary teams
- The candidate should have a proven track record of peer reviewed scientific publications.

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 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.