



## VACANCY NOTICE – 2023-IPR-E1-FGIV-022535

### Scientific Project Officer – Geospatial data analysis for the Risk Data Hub

<b>Type of contract</b>	Member of the European Commission's contract staff, Function Group IV (article 3b of the <a href="#">Conditions of Employment of Other Servants</a> )
<b>Duration of contract</b>	36 months (renewable up to maximum 6 years)
<b>Area</b>	Disaster response and Disaster Risk Reduction activities
<b>Place of employment</b>	Ispra (IT)
<b>Indicative basic salary</b>	3877,47 - 5616,29 € (applicable as of 1 <sup>st</sup> of July 2022) For more detailed information please consult: <a href="#">Working Conditions</a>

#### **WE ARE**

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The [Joint Research Centre \(JRC\)](#) provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

The current vacancy is in the Disaster Risk Management Unit of the Directorate for Space, Security and Migration which provides scientific and technical support to EU policies addressing global security and crisis management.

We are looking for a scientific and technical support officer to carry out scientific and technical tasks related to the work in disaster response and disaster risk reduction activities.

We offer:

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.

#### **WE PROPOSE**

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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, it is foreseen 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.

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.

Specific tasks will focus on:

- 1) Improving and further developing the risk assessment module of the Risk Data Hub.
- 2) Consolidating and further developing the Disaster Loss data module of the Risk Data Hub.
- 3) Contribution 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.
- 4) Contribution to the implementation of the new Climate Adaptation Strategy (DG CLIMA) and supporting an all-hazard approach for humanitarian crises (with DG ECHO).
- 5) Support the organization of meetings, workshops, trainings, and seminars to raise awareness about the project and to disseminate lessons learnt from the project to a wider audience, as appropriate.

## **WE LOOK FOR**

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We are looking 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 geoinformatics 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) as well as for another official EU language is necessary.

The following skills are essential:

- 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.

The following skills are useful:

- 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.



## HOW TO APPLY

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If you are **already on a valid CAST FG IV reserve list**, or you **have already applied to one of the calls below**, you can directly submit your application at <http://recruitment.jrc.ec.europa.eu/?type=AX>.

If not, before applying to this position, **you must register** for one of the two following:

- the [Call for Expressions of Interest | EU Careers \(europa.eu\)](http://europa.eu) (CAST Permanent FG IV), which is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), or
- the [specialised call for researchers](#) (JRC Call COM/1/2015/GFIV – Research), which is mainly used by the JRC.

Note that each of the calls above has **different minimum eligibility requirements and different selection tests**.

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