



**2022-IPR-C6-FGIV-021849      FG IV – Project Officer – Climate Change Researcher**

**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 (JRC) 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 "Economics of Climate Change, Energy and Transport" Unit of the Directorate for Energy, Transport and Climate of the JRC.**

The Joint Research Centre's Directorate for Energy, Transport and Climate provides support to Community policies and technology innovation related to: energy – to ensure sustainable, safe, secure and efficient energy production, distribution and use; transport – to foster sustainable and efficient mobility in Europe; climate – to provide scientific and technical analyses in support to integrated air quality, climate and related policies.

The "Economics of Climate Change, Energy and Transport" Unit conducts economic analysis of climate, energy and transport policies, both at the EU and global levels, using different databases and expertise with in-house economic models and econometric tools.

**WE PROPOSE:**

A position for a researcher to contribute to the European climate risk assessment. The work is related to the development of a harmonized multi-risk assessment at pan-European and global scale. The research underpins climate policy actions under the European Green Deal, EU Adaptation Strategy and Paris Climate Agreement. The analysis integrates JRC and international climate, biophysical and socioeconomic modelling to assess a wide range of impacts of climate change: on people, ecosystems, human assets and economic sectors.

The primary duties involve the analysis of past, observed climate extreme events (such as floods, droughts, heat waves etc. including concurrent and compound events) and the development of dynamic scenarios of multiple-risk assessment (including hazard, exposure and vulnerability) in view of climate change and appraise the costs and benefits of different adaptation measures.

The candidate will work in a dynamic, interdisciplinary team with leading experts in climate risk assessment, including climate variability and change, extreme events (e.g. floods), and the socioeconomic impacts of climate change on several sectors.

The primary tasks of the successful candidate involve:

- Literature review of multiple-risk assessment of climate change at European and global scale;
- Develop and apply multi-model ensemble approaches to assess the physical and socio-economic impacts of multiple hazards under current and future climate;
- Spatiotemporal analysis of single and multiple climate hazards;
- Develop and apply probabilistic tools to quantify the range of possible climate hazards, well beyond the average ones, with special emphasis on low-probability high-impact climate events with potentially catastrophic outcomes;
- Translate scientific output in peer-reviewed publications and science-for-policy reports.

**WE LOOK FOR:**

Candidates should have a degree in a relevant subject (earth, ocean or atmospheric sciences, engineering, statistics, data science) together with a minimum of 5 years of relevant experience or a Ph.D.

Experience with handling large spatiotemporal datasets, statistical and data analysis techniques is required. Experience with large meteorological or climatological dataset (for instance from reanalysis and/or global/regional climate models) would be an asset.

Analytical skills: Candidates should have ease in manipulating quantitative information and datasets. Knowledge of programming software and languages (such as Python, R, IDL, etc.) is an important asset and will be highly valued.

Scientific record: The successful applicant is expected to have an excellent record of research activities including publications in international peer-reviewed journals.

Communication and dissemination: The candidate should present good written and oral communication skills. The selected candidate will be working closely with colleagues in an international environment; teamwork and a spirit of collaboration will be strongly valued.

An advanced level (C1) of written and spoken English is essential; knowledge of Italian is not a necessary requirement (note that courses of Italian are provided to people interested).

**INDICATIVE CONTRACT'S DURATION:**

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

**PLACE OF WORK:**

Ispira (IT)

**ELIGIBILITY CRITERIA:**

Candidates for this contract agent post shall:

– (i) have passed a valid EPSO CAST selection procedure;

or

– (ii) be registered in the EPSO Permanent CAST <https://epso.europa.eu/en/documents/call-expressions-interest-0>

or

– (iii) be registered in the specialised call for researchers [https://joint-research-centre.ec.europa.eu/working-us/jobs-jrc/temporary-positions/contract-staff-members/function-group-iv/job-opportunities-research-fellows-european-commission\\_en](https://joint-research-centre.ec.europa.eu/working-us/jobs-jrc/temporary-positions/contract-staff-members/function-group-iv/job-opportunities-research-fellows-european-commission_en) (used mainly by the JRC).

With a valid application number to one of the above, you may then apply for this specific vacancy at JRC through: <http://recruitment.jrc.ec.europa.eu/?type=AX>.

**RECRUITMENT POLICY:**

The Joint Research Centre

- 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.