



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-E1-FGIV-020249

**FG IV - Project Officer - European and Global
Drought Observatories of the Copernicus Emergency
Management Service**

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 Directorate for Space, Security and Migration, Disaster Risk Management Unit. The Unit works to improving the EU resilience to crises and disasters while achieving the Sustainable Development Goals. It focuses on early warning systems, integrated risk analyses, and impact assessments under current and future climate conditions.

WE PROPOSE:

A scientific officer position to perform research on drought and heat waves monitoring and forecasting. The selected candidate will contribute to the mission of the Unit by focusing on drought and heat waves at the European and global scales. The selected candidate is expected to deliver scientific solutions in line with the EU climate change adaptation and disaster risk management policy. The candidate will work in the team responsible for the European and global drought observatories (EDO and GDO; <https://edo.jrc.ec.europa.eu>) of the Copernicus Emergency Management Service.

The successful candidate will be responsible for:

- The development and implementation of new indices and data-based approaches to characterise drought and heat waves as well as their impacts and the risks associated with;
- The development and implementation of optimised data fusion approaches, combining different sources (e.g. ground weather stations, remote sensing, hydrological models), to provide the best possible information on evolving drought and heat waves;
- The development and implementation of a probabilistic ensemble-based drought and heat-waves gridded product;
- The improvement of spatio-temporal drought and heat-waves tracking algorithms
- Supporting the operational activities of EDO and GDO
- Sharing the results with experts and policy makers in EU Member States and EU institutions.

WE LOOK FOR:

The ideal candidate has the following essential qualifications:

- Completed university studies of at least three years attested by a diploma and at least five years of professional experience in a field relevant to the position, alternatively a doctoral diploma in Mathematics, Statistics, Physics, Engineering, Environmental Sciences or related field;
- Extensive knowledge/experience in statistics applied to climate sciences
- Broad knowledge in the area of climate data and risk;
- Broad knowledge of programming languages, such as R and Python;
- Good oral and written communication skills in English (at least B2) are essential

The following competences are an advantage:

- Knowledge on climate extremes;

- Solid record of research activities relevant for the post including publications in international peer-reviewed journals;
- Experience and interest in translating science for policy making at different levels of governance, from local to national and European level; Creativeness and ability to work independently;
- Ability to effectively work in a multi-disciplinary team and in a multi-cultural environment;
- Flexibility, commitment, resilience to work under pressure;
- Enthusiasm and willingness to learn, discuss, and interact with the other Team and Unit members;
- Knowledge of other languages.

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/documents/2240_en

or

- (iii) be registered in the specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers> (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 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.