



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-C5-FGIV-021189

**FG IV – Scientific Project Officer – Greenhouse Gas
Data Scientist**

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 Directorate for Energy, Transport and Climate. Its mission is to provide support to Community policies and technology innovation ensuring sustainable, safe, secure and efficient energy production, distribution and use, fostering sustainable and efficient mobility in Europe, providing scientific and technical analyses in support to integrated air quality, climate and related policies.

Specifically, the vacancy is in the Air and Climate Unit located in Ispra. Its mission is to provide scientific and technical analyses in support of integrated air quality, climate and related policies. It is committed to the evaluation of emissions of greenhouse gases and air pollutants, to measuring and modelling atmospheric components of relevance for human health, ecosystems and climate and to the harmonisation of monitoring and modelling techniques.

WE PROPOSE:

A challenging position for a highly motivated scientist to reinforce JRC support to Climate and Energy Diplomacy under the EU Green Deal by contributing to the development of an independent Greenhouse Gas Emission Verification System and providing support to evaluation and quality control of the Copernicus Atmospheric Monitoring Services (CAMS) CH₄ products in particular. The jobholder will be expected to produce knowledge relevant to policy developments in this field.

The main tasks of the selected candidate will consist of the following:

- Use of statistical methods and time series analyses to process, analyse and compare surface in-situ observations, remote sensing observations and inverse modelling simulations used in climate sciences;
- Validation of the 3-dimensional CH₄ concentration fields generated in the CAMS assimilation and inverse modelling systems as well as the inter-comparison and evaluation of the CAMS global CH₄ flux products;
- Analysis of inferred Greenhouse Gas (GHG) fluxes including CH₄, climate variables, and other ancillary data to understand the GHG-climate interaction;
- Support the development of an Independent Verification System for GHG emissions within the current institutional activities;
- Collaborate and maintain contacts with other Commission services, partner DGs and stakeholders (both internal and external).
- Communicate and disseminate the results of the project/s and ensure the feed-back between scientific knowledge and policy making via internal and external communication activities.

WE LOOK FOR:

A candidate with a strong scientific background and a robust professional record in research and experience of processing earth-system data and observations related to climate science, with a good capacity for teamwork and good communication skills.

The following skills and experience are required:

- A university degree in atmospheric sciences, environmental sciences, chemistry, physics, mathematics, or relevant engineering disciplines;
- At least 5 years hands-on experience in data processing and statistical analysis of large observational and/or model output datasets related to biogeochemistry;
- Experience in scientific programming and scripting;
- A good knowledge of European goals and policies with respect to climate issues;
- Good written and spoken knowledge of English (B2);
- Good skills in writing and communicating to scientific and non-scientific audiences as well as the general public.

The following skills and experience are an advantage:

- A PhD in atmospheric sciences, environmental sciences, chemistry, physics, environmental engineering or related disciplines;
- Experience in data assimilation and/or inverse modelling;
- Experience in remote sensing of major GHGs;
- Experience in international and multidisciplinary working environment.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Ispira (IT)

RULES AND ELIGIBILITY:

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 (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 cases of equal merit, preference will be given to the gender in minority.