



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-C5-FGIV-019929

FG IV - Scientific Project Officer – Air quality and climate integrated assessment tool (SHERPA)

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 position as Scientific Project Officer to contribute to the further development of the JRC air quality and climate integrated assessment tool SHERPA, improving its methodology and further developing its linkage with other JRC modelling activities to simulate future projections of sources and emissions. The jobholder will be expected to produce knowledge relevant to policy developments in the frameworks of Zero Pollution and Climate Neutrality.

The main tasks of the selected candidate will include:

- Review methodologies and models used to project into the future anthropogenic activities and emissions, design their inclusion in the Screening for High Emission Reduction Potential on Air (SHERPA) integrated assessment tool
- Develop specific modules to allow the modelling of future emission projections in the JRC Integrated Assessment tools
- Apply the new SHERPA version to Zero Pollution and Climate Neutrality frameworks, and analyse its results in terms of air quality, impact on climate, and related costs
- Establish links with other units and Directorates on energy, transport and economic issues.
- 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 on topics related to Integrated Assessment Modelling and with good capacity for teamwork and good communication skills.

The following skills and experience are required:

- A university degree in environmental sciences, chemistry, physics or a relevant engineering disciplines.
- At least 5 years hands-on experience in integrated assessment techniques with a specific expertise in at least one the following domains: projections into the future of air-pollutant or climate related activities and/or emissions, air quality modelling, monetary estimates of abatement measures, monetization of health and/or ecosystems impacts.
- working knowledge in R or Python programming languages
- good knowledge on European goals and policies with respect to Zero Pollution and Climate issues
- A 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.

INDICATIVE CONTRACT’S DURATION:

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

PLACE OF WORK:

Ispra (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.