



2019-IPR-D1-FGIV-012029

FG IV - Project Officer for assessing climate change impacts on terrestrial ecosystems in sensitive regions

Position for:

**FG IV –
Project Officer – Scientific
Research**

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 vacancy is within the Bio-Economy Unit, (located in Ispra, Italy), which provides scientific support to EU policies related to the bio-economy such as the sustainable production as well as the use of biological resources and the conversion to value added products, such as food, feed, bioenergy and bio-based products.

We are looking for a scientist to assess the impacts of accelerating climate warming in sensitive regions of the world, specifically Arctic-Boreal and arid zones, on the structure and functioning of terrestrial ecosystems.

The successful candidate will use observations from satellites as well as ground-networks alongside outputs from inverse modelling to quantify recent changes in ecosystem productivity, surface albedo, and carbon budget in response to climate change. In addition, the researcher will contribute to the analysis of model ensembles (e.g. TRENDY) and to the application of a land surface model (Community Land Model) to characterize the impacts of future climate change on the terrestrial greenhouse gas budgets of CO₂ and CH₄, primary productivity, permafrost thaw, and on structural properties of terrestrial ecosystems. The scientist will interact and network with other JRC units, with other EC services as well as with external collaborators, and is expected to document the research and publish its results, including broad communication to policy makers and stakeholders.

Qualifications:

The ideal candidate should have a PhD in environmental sciences, environmental physics, climatology, environmental engineering, ecosystem modelling or related field (or a University degree and 5 years of experience after the university degree giving access to doctoral studies).

Experience with the processing of large sets of Earth Observation, environmental and/or climate data is required. Experience in the fields of remote sensing of vegetation, climate and/or land surface modelling (in particular with the CESM/CLM model), ecosystem biogeochemistry, permafrost processes, high-latitude environments, or plant ecology will be considered an asset. Technical expertise in programming, in particular with Fortran and scripting languages like R and/or Python, as well as broad communication skills and knowledge of

	<p>relevant EU policies will also be considered an asset.</p> <p>Excellent writing and presentation skills, with good knowledge of spoken and written English (B2) are required.</p> <p>Relevant publications and presentations are seen as essential and should be highlighted.</p>
Directorate Unit	<p>Sustainable Resources Bio-Economy</p> <p>Further information: https://ec.europa.eu/jrc/</p>
Indicative duration	<p>36 months initial contract with possible renewals up to maximum 6 years</p>
JRC Site Country	<p>Ispra</p> <p>Italy</p>
Rules and eligibility	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IV contract staff, you can still apply by following these steps.</p> <p>You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. https://epso.europa.eu/documents/2240_en</p> <p>2. JRC Call COM/1/2015/GFIV – Research: open-ended selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. Details available at the link below: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</p> <p>Only then you can apply for this specific position, through http://recruitment.jrc.ec.europa.eu/?type=AX</p> <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.</p> <p><i>Please note that in case a high number of applications is received only shortlisted candidates will be contacted.</i></p>