



2018-IPR-D1-FGIV-9690

**FG IV - Project Officer in the field of terrestrial ecosystems in Arctic and Boreal 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 researcher to contribute to the assessment of the impact of the accelerated warming in the Arctic and Boreal regions on the structure and functioning of terrestrial ecosystems.

The successful candidate will contribute to the analysis of multiple datasets from surface/satellite observations and atmospheric inverse modelling to quantify the 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, ISI-MIP, LUCID, WETCHIMP) and to the application of a land surface model (Community Land Model (CLM)) to characterize the future climate change impacts on the terrestrial greenhouse gas budgets of CO<sub>2</sub> and CH<sub>4</sub>, the primary productivity, the thawing of permafrost and the structural properties of terrestrial ecosystems at northern latitudes. The scientist will interact and network with other JRC units and external collaborators, and will also deal with the documentation and publication of results.

**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 in the fields of remote sensing of vegetation, climate and 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 Python, will also be considered an asset.

Excellent writing and presentation skills, with good knowledge of spoken and written English (B2) are

	<p>required.</p> <p>Relevant publications and presentations are seen as essential and should be highlighted.</p>
<b>Directorate Unit</b>	<p>Sustainable Resources Bio-Economy</p> <p>Further information: <a href="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</a></p>
<b>Indicative duration</b>	<p>36 months initial contract with possible renewals up to maximum 6 years</p>
<b>JRC Site Country</b>	<p>Ispira</p> <p>Italy</p>
<b>Rules and eligibility</b>	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>Applicants to the following Calls for expression of interest can also be considered:</p> <ol style="list-style-type: none"> <li>1. CAST Permanent - EPSO has launched in January 2017 an 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. Details available at the link below: <a href="https://epso.europa.eu/documents/2240_en">https://epso.europa.eu/documents/2240_en</a></li> <li>2. Call COM/1/2015/GFIV – Research - The JRC has launched in January 2015 a permanent call for researchers FG IV. Details available at the link below: <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers">https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</a></li> </ol> <p><b>Auxiliary contract staff:</b> <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</a></p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>