



2020-IPR-D6-FGIV-014388

**FG IV - Scientific Project Officer - Copernicus  
Land Observation quality assurance Project****Position for:****FGIV- 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 Directorate for Sustainable Resources, Knowledge for Sustainable Development & Food Security Unit has a vacancy for an experienced researcher to support the Copernicus Land Observation quality assurance (CLEO) project.

CLEO aims to assess the quality assurance of space- and ground-based products and their retrieved methodologies. Fitness for purpose of the Copernicus data records must be ensured, meaning that the expected users' quality requests must be verified in order to establish fundamental priorities for the long term of Copernicus implementation.

Specifically, the goals are to evaluate the overall performance of Copernicus products, mainly with regard to users' information needs and high-level requirements and translate findings into recommendations into programmatic and technical requirements. CLEO contributes to the JRC contractual obligations for the long term support to the overall Copernicus fitness for purpose linked to the (EU)N0377/2014 regulation.

The Unit is looking for an experienced researcher to contribute mainly to the benchmark activities and the assessment of physical consistency among Earth Observation products. In support to the model-based quality assurance framework, verification tools need to be used or established.

The envisaged work consists of:

- Use (and update) an operational processing chain for benchmarking ECVs products at global scale and their physical consistencies;
- Application of the processing chain to Copernicus service products;
- Programming support to the development and applications of 3-D radiation transfer models;
- Preparation and creation of 3-D scenes.

Qualifications:

The ideal candidate should have a PhD in computing sciences (applied mathematics) for environmental or climate change sciences (or 5 years of experience after the university degree giving access to doctoral studies). Knowledge in earth

	<p>observation products, e.g. essential climate variables is essential.</p> <p>Experience in (radiative transfer) modelling and/or the development of operational software are an advantage.</p> <p>Experience in scientific programming languages such as Python, IDL, C/C++ and also shell scripting within a Linux OS environment is indispensable. Knowledge of FORTRAN and Java is an advantage.</p> <p>Relevant publications are seen as essential and should be highlighted. Creativity and team spirit are important.</p> <p>A good knowledge of English language (B2 level) is required.</p>
<b>Directorate Unit</b>	<p>Sustainable Resources Knowledge for Sustainable Development &amp; Food Security</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>Ispra  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>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. <a href="https://epso.europa.eu/documents/2240_en">https://epso.europa.eu/documents/2240_en</a></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: <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></p> <p>Only then you can apply for this specific position, through <a href="http://recruitment.jrc.ec.europa.eu/?type=AX">http://recruitment.jrc.ec.europa.eu/?type=AX</a></p> <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>Article 3b of the Conditions of Employment of Other Servants</p>

	<p>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>
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*Please note that in case a high number of applications is received only shortlisted candidates will be contacted.*