



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

**2021-IPR-D6-FGIV-019531**

**FG IV- Project Officer – Scientific Research  
Scientific Research for Copernicus EO products**

**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 (JRC) 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 Sustainable Resources of the JRC. Its mission is to provide independent scientific evidence to support the development, implementation, evaluation and coherence of EU policies, mainly in the areas of agriculture and rural development, development cooperation, environment and climate change, blue growth and fisheries, bioeconomy, industry and trade

The vacancy is within the Knowledge for Sustainable Development & Food Security Unit that supports EU policies on environment, agriculture, maritime affairs and development by mapping, collating, analysing, quality checking and communicating in a systematic and digestible way all the relevant scientific data, methods, tools and knowledge available worldwide in their policy area including from Earth Observation. Attention to be given to anticipating knowledge needs, mapping knowledge gaps and suggesting research topics to be carried out in the JRC. On a selected number of topics, the Unit will host Knowledge Centres.

Further information:

<https://ec.europa.eu/jrc/>

<https://www.copernicus.eu/en>

<https://www.copernicus.eu/en/services/land>

<https://land.copernicus.eu/global/>

<https://global-surface-water.appspot.com>

<https://www.sdg661.app/home>

**WE PROPOSE:**

A project officer position for scientific research to increase the value of the Copernicus programme to in-house and downstream public sector users in the field of land resource issues, including biodiversity environmental stress monitoring. This comprises the visualisation, integration and analytical use of global scale products of the Copernicus Land Service, related to land and water applications, land cover and ecosystem analysis, biodiversity and Africa focused knowledge generation.

The work is within the overarching framework of the implementation of the Copernicus 2.0 phase, in support of the Green Deal and EC commitments for Agenda 2030 with the tracking of the Sustainable Development Goals.

The position is within the JRC D6 EO4GL+ project (Earth Observation For Copernicus Global Land and support to Copernicus Programmed) under the Portfolio: Copernicus 2.0.

More specifically function and duties include:

- Develop and apply EO based visualisation tools and integration approaches, geo-spatial models, classification, analytical and statistical methods, algorithms, etc, for developing dashboard type information and derivatives from the Copernicus Land-Global Service products;
- Generically integrate and analyse products and data from Global Land, such as biogeophysical variables, land cover/change, soil, and data from different sources such as biodiversity, land

<p>degradation, climate data and similar. For example, using convergence of evidence approaches as illustrated in the World Atlas of Desertification (WAD), for knowledge generation on environmental pressures, ecosystem status and restoration as well as biodiversity issues;</p> <ul style="list-style-type: none"> <li>• Ramp-up some of the above to operational capacity for routine use within the Copernicus Global Land service for generation of dashboard and outreach knowledge, and eventually also supporting the DOPA and Africa Platform operations, as well as operations of other geospatial platforms in the Directorate for Sustainable Resources</li> <li>• Contribute on an ad-hoc basis to the generic implementation of the Copernicus Land – Global Service – specifically Hot Spot and Biophysical product Operations (CGLOPS) components and provide ad-hoc support on related aspects to the Knowledge Centre Earth Observation (KCEO);</li> <li>• Carry out the activities in full respect of the occupational health and safety guidelines and regulations in place at the Ispra site.</li> </ul>
<p><b>WE LOOK FOR:</b></p> <p>Candidates with a university degree with an environmental component, plus job-related experience of at least 5 years in the field of Remote Sensing or GIS, and the capacity to analyse multivariate data for different domains. Experience in the field of Geospatial Information Systems is essential and especially ArcGIS/QGis and PostGIS.</p> <p>Job related experience of at least 2 years in the field of Big Data Processing and management, experience in the field of Spatial Modelling, multivariate and Spatial Statistics and experience with Python and JavaScript would all be an advantage.</p> <p>Experience with machine learning and deep learning techniques applied to Remote Sensing classification tasks would be an asset.</p> <p>Language level: English C1</p>
<p><b>INDICATIVE CONTRACT’S DURATION:</b></p> <p>36 months initial contract with possible renewals up to maximum 6 years.</p>
<p><b>PLACE OF WORK:</b></p> <p>Ispra (IT)</p>
<p><b>ELIGIBILITY CRITERIA:</b></p> <p>Candidates for this contract agent post shall:</p> <ul style="list-style-type: none"> <li>– (i) have passed a valid EPSO CAST selection procedure;</li> <li>or</li> <li>– (ii) be registered in the EPSO Permanent CAST <a href="https://epso.europa.eu/documents/2240_en">https://epso.europa.eu/documents/2240_en</a></li> <li>or</li> <li>- (iii) be registered in the specialised call for researchers <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> (used mainly by the JRC).</li> </ul> <p>With a valid application number to one of the above, you may then apply for this specific vacancy at JRC through: <a href="http://recruitment.jrc.ec.europa.eu/?type=AX">http://recruitment.jrc.ec.europa.eu/?type=AX</a>.</p>
<p><b>RECRUITMENT POLICY:</b></p> <p>The Joint Research Centre</p> <ul style="list-style-type: none"> <li>• Cultivates a workplace based on respect for other people and the environment.</li> <li>• Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.</li> </ul>