



2018-IPR-D5-FGIV-010730

**FG IV – Scientific Project Officer - Satellite-based Crop Monitoring**

<p><b>Position for:</b></p> <p><b>FG IV – Scientific Project Officer</b></p>	<p>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.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <a href="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</a></p> <p>The vacancy is within the Directorate for Sustainable Resources mainly based in Ispra (Italy). The Directorate provides scientific knowledge for EU policies related to the sustainable use of resources, encompassing environmental, economic and social dimensions.</p> <p>As part of the Food Security Unit, the candidate will contribute to in-season crop monitoring and yield forecasting activities. Besides acting as agricultural analyst for the regular crop yield assessment reports, the task focuses on implementing processing chains to exploit the latest Copernicus high-resolution products derived from Sentinel satellite data for an improved characterization of crop type and phenology as well as crop growing conditions across Europe.</p> <p>In particular, the candidate will contribute to the research and development, testing, and implementation of novel methodologies based on optical remote sensing and other data to improve the quantitative crop yield estimates for the main crops in Europe.</p> <p>Qualifications:</p> <p>The ideal candidate will have a University degree and/or MSc and/or PhD in Remote Sensing, Physics, Agronomy, Agro-Meteorology, or a closely related field and a minimum of 5 years of professional experience after the first degree. Good knowledge of European agriculture and experience in using satellite-based crop monitoring techniques are required. Professional experience in deriving biophysical parameters from satellite data at code level and relating them to crop yield estimates as well as working with large spatial and timeseries datasets is essential.</p> <p>Knowledge and experience in intra-season yield forecasting and agro-meteorological analysis is an asset. Experience in scientific programming, the establishment of processing chains for optical remote sensing data, and the assimilation of satellite information into crop growth models are strong advantages.</p> <p>Good knowledge of spoken and written English (B2) is required. The knowledge of another community language would be an advantage.</p> <p>Relevant publications and presentations should be highlighted.</p>
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<b>Directorate Unit</b>	Sustainable Resources Food Security  Further information: <a href="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</a>
<b>Indicative duration</b>	12 months initial contract with possible renewals up to maximum 6 years
<b>JRC Site</b>  <b>Country</b>	Ispra  Italy
<b>Rules and eligibility</b>	<p>The candidate must be on any 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>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 due to the high number of applications received only shortlisted candidates will be contacted.</i></p>