



2022-IPR-D5-FGIV-021371

**FG IV - Scientific Project Officer – Remote sensing expert for land cover/use mapping and change detection**

**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, Food Security Unit (located in Ispra, Italy).

The mission of the Directorate for Sustainable Resources 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, the bio economy, industry and trade.

The vacancy is within the Food Security Unit which contributes to the scientific development towards a more effective, and efficient management of EU policies related to agriculture and food security. More specifically, the position is in the Food and Nutrition Security Project Portfolio, which addresses food and nutrition security issues in food insecure countries, in particular in Africa.

**WE PROPOSE:**

A challenging and rewarding post as scientific officer to play a decisive role in supporting the team in its contributions to support policies for sustainable agriculture and deforestation free agricultural production in developing countries. The role contributes to institutional, research and development activities related to the agricultural application themes on the basis of the work programme of the Food Security Unit in the Sustainable Resources Directorate. In particular it is key for the JRC to provide technical and scientific evidence to programmes under the international dimension of the Green Deal and in view of the EU's sustainable Cocoa Initiative and the new regulation for deforestation free products.

Main tasks will include:

- To conduct research to improve the take up of Earth Observation data in global agricultural monitoring use cases. This includes the development of methodologies to utilise latest generation satellite imagery for crop mapping, monitoring of deforestation related to agriculture, mapping of specific crops such as for example cocoa, oil palm and rubber plantations;
- To contribute to the development and management of Copernicus land services for agricultural use cases such as for example Copernicus Hotspots and Copernicus4GEOGLAM;
- To contribute to specific studies on agriculture resources management funded by partner DG's and EU Delegations;
- To contribute to JRC scientific support and specific studies related to EU policies and regulation for sustainable agriculture and deforestation free production.

**WE LOOK FOR:**

A remote sensing scientist with at least 3 years research experience in the use of spatial analysis, geographic information and remote sensing.

Essential requirements:

- Research experience in the use of high resolution remote sensing applied to agricultural and/or forest monitoring.
- Experience with state-of-art image classification approaches with high-spatial resolution satellite imagery, including reflected domain and SAR.
- Capacity to manage large imagery datasets and experience to use cloud computing platforms.

The following will be considered as assets:

- Agriculture and/or Forest mapping and monitoring applications including field data collection;
- Knowledge about tropical commodities production (cocoa, rubber, palm oil, industrial plantations), agroforestry.
- Solid record of research activities relevant for the post including publications in international peer-reviewed journals.
- Good understanding of land use change policies and regulation in developing countries related to the reduction of deforestation, to agroforestry, tropical commodities trade etc...

A very good command of English (B2) as well as for another official EU language is necessary. Knowledge of French would be an asset.

**INDICATIVE CONTRACT'S DURATION:**

36 months initial contract with possible renewals up to maximum 6 years.

**PLACE OF WORK:**

Ispira (IT)

**ELIGIBILITY CRITERIA:**

Candidates for this contract agent post shall:

– (i) have passed a valid EPSO CAST selection procedure;

or

– (ii) be registered in the EPSO Permanent CAST <https://epso.europa.eu/en/documents/call-expressions-interest-0>

or

– (iii) be registered in the specialised call for researchers [https://joint-research-centre.ec.europa.eu/working-us/jobs-jrc/temporary-positions/contract-staff-members/function-group-iv/job-opportunities-research-fellows-european-commission\\_en](https://joint-research-centre.ec.europa.eu/working-us/jobs-jrc/temporary-positions/contract-staff-members/function-group-iv/job-opportunities-research-fellows-european-commission_en) (used mainly by the JRC).

With a valid application number to one of the above, you may then apply for this specific vacancy at JRC through: <http://recruitment.jrc.ec.europa.eu/?type=AX>.

**RECRUITMENT POLICY:**

The Joint Research Centre

- Cultivates a workplace based on respect for other people and the environment.
- Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.