



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-A5001-FGIV-018768

**FG IV - PROJECT OFFICER - SCIENTIFIC/TECHNICAL
SUPPORT OFFICER - EXPLORATORY RESEARCH
PROJECT - DRY FOREST MONITORING (DRYFORM)**

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 JRC offers a vacancy for a Contract Agent within the Exploratory Research Project DryForM (Dry Forest Monitoring). The JRC Exploratory Research Programme (ER) is a strategic initiative characterised by ideas that might lead to novel results to qualitatively enrich current JRC scientific work.

The vacancy is within the Directorate for Sustainable Resources. The directorate supports the European Commission with independent, technical and scientific evidence in the areas of the environment including biodiversity, environmental quality and sustainable use of natural resources. The operational scientific research will take place in the unit Bio-Economy. The unit provides scientific support to EU policies related to bio-economy such as sustainable production as well as use of biological resources. The unit develops methods and models to monitor forest resources and carbon emissions to improve our knowledge of biomass supply, demand and flows at both EU and global levels. The ER Project DryForM will contribute to methods for the assessment of forest cover changes in the dry forests of the tropical regions from Earth Observation data, specifically from the Sentinel satellites.

Further information is available at:

<https://ec.europa.eu/jrc/en/about/jrc-in-brief> ;
HR-AMC8-IPR-CONTRACT-STAFF-SELECTION@ec.europa.eu

WE PROPOSE:

We propose a challenging and stimulating position for a dynamic researcher in the field of tropical forest monitoring. The expected work is robustly rooted in science and highly policy-relevant.

The main tasks of the selected candidate will include supporting the following activities:

- Design, implementation and testing of computer vision and machine learning algorithms for detecting dry forests and their changes (deforestation and degradation) from satellite data;
- Produce a base-line map of dry forests pantropically for the year 2020;
- Implement the production of these maps on cloud based computing platforms;
- Contribute to a pantropical web-based interface for the extraction of maps and statistics at the national level;
- Dissemination/publication of results.

WE LOOK FOR:

Essential:

- Doctoral diploma in Forestry, Agriculture or Environmental Science or related field. Alternatively, completed university studies of at least three years attested by a diploma and at least five years professional experience in a field relevant to the position;
- Work experience in the field of Earth Observation and image processing.

Advantage:

- Work experience in the field of tropical forest monitoring from Earth Observation and in the analysis of forest resources;
- Knowledge of cloud computing;
- Solid record of research activities relevant for the post including publications in international peer-reviewed journals,
- Ability to work in a team and in a multi-cultural environment;
- The candidate is expected to be creative and work independently.

Good oral and written communication skills in English (B2) are essential. Knowledge of other languages, is an advantage. Knowledge of French and/or Portuguese (B1) is desirable.

INDICATIVE CONTRACT'S DURATION:

24 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/documents/2240_en

or

- (iii) be registered in the specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers> (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.