



2021-IPR-D5-FGIV-017768

**FG IV – SCIENTIFIC PROJECT OFFICER IN
AGRO-METEOROLOGY**

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 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, which contributes to the scientific development towards a more effective and efficient management of EU policies related to agriculture and food security.

This position is linked to the Unit's work dealing with agricultural crop monitoring and yield forecasting, and assessing climate change impacts and adaptation strategies for agricultural production.

WE PROPOSE:

The candidate will contribute to the implementation and further development of our MARS Crop Yield Forecasting System, with special attention paid to our agro-meteorological infrastructure including data base management of weather observations and forecasts as well as the application of innovative methods to estimate climate change impacts and adaptation opportunities. The work relates to the operation of existing methodologies along with design, testing and validation of new methodologies and quantitative indicators needed for quantitative crop yield forecasts.

The post will also involve work with stakeholders including the European Centre for Medium Range Weather Forecasts or the European Environment Agency. Some work will also concern the Copernicus programme's role in crop yield forecasting and climate change impact and adaptation implications in the agriculture sector.

The successful candidate will be in charge of:

- Contributing to the monthly JRC MARS Bulletins on crop monitoring in Europe;
- Operating, managing and enhancing the meteorological infrastructure of the MARS Crop Yield Forecasting System;
- Researching and applying long-range meteorological forecasts in the context of crop yield forecasting;
- Performing R&D on assessing climate change impacts and adaptation options related to agricultural production in Europe;
- Dissemination/publication of the results.

WE LOOK FOR:

The ideal candidate should have completed university studies of at least 3 years attested by a diploma in meteorology, agro-meteorology, or a closely related discipline and at least three years professional experience in a field relevant to the position, or a doctoral diploma in agro-meteorology or a closely related field.

Essential requirements are:

- Good knowledge and understanding of agro-meteorological processes and climate change impacts to agriculture production systems;
- Hands-on experience in processing weather observations and large meteorological datasets, forecast products, as well as climate scenarios;

- Experience in database management and in handling crop growth models;
- Good communication and writing skills and the ability to work independently;
- Knowledge of English (B2).

An understanding of the role of monitoring in the EU Common Agricultural Policy is desirable as is knowledge of Europe's Earth Observation programme Copernicus. Strong programming skills in Python, R, C/C++ or other languages are an advantage.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Ispra (IT)

RULES AND ELIGIBILITY:

To be eligible for the position, the candidate must be on a valid EPSO reserve list for Function Group IV contract staff.

You can be added to an EPSO reserve list if you complete successfully an EPSO selection procedure.

Candidates who are on a valid EPSO reserve list or have applied to an EPSO selection procedure can apply to this specific position through <http://recruitment.jrc.ec.europa.eu/?type=AX>.

How to apply to an EPSO selection procedure?

Apply either to the permanent EPSO call (CAST Permanent) https://epso.europa.eu/documents/2240_en or a specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

The CAST Permanent reserve list is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), whereas the specialised reserve list for researchers (JRC Call COM/1/2015/GFIV – Research) is mainly used by the JRC.

RECRUITMENT POLICY:

The JRC

- 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.