



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-C2-FGIV-017308

**FG IV - PROJECT OFFICER - SCIENTIFIC
RESEARCH ON SOLAR ENERGY RESOURCES**

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 Directorate for Energy, Transport and Climate /Unit Energy Efficiency and Renewables. The unit's mission is to support the deployment of renewable energy technologies and energy efficiency measures. It serves the relevant EU policies, and supports research communities, standards organisations and public and private stakeholders. It provides reference measurements and test methods on photovoltaic solar electricity, robust data on renewable resources and progress of their usage for energy production, as well as policy and market analysis of actions aiming to increase the efficiency of energy use.

Further information is available on the EU ScienceHub site: <https://ec.europa.eu/jrc/en>

WE PROPOSE:

The position is for a scientific project officer who will conduct research, studies and analyses in the field of solar energy resources to support the implementation of the EU's Green Deal decarbonisation strategy and to achieving UN sustainable development goals. It continues the JRC's well-established research work in this important area.

The jobholder will develop strategies and simulation tools to exploit satellite and other earth observation data relevant to assessment of solar energy resources and to the deployment and performance of solar energy technologies, in particular for photovoltaics. The analyses typically take a pan-European perspective. In some cases, the focus may extend internationally to less-developed countries.

An important part of the job will be to contribute to the operation and further development of the unit's successful PV-GIS online tool (<https://ec.europa.eu/jrc/en/pvgis>), including models that capture the performance of state-of-the-art photovoltaics module technologies as well as up-to-date typical meteorological year data for implementing EU building and product energy efficiency policies. She/he will network with policy DGs and relevant stakeholders, both to disseminate the results and to contribute to the conceptualization of new areas of policy and research in this field.

The job offers an opportunity to work in an international, multi-cultural environment, in close collaboration with a diverse team of highly motivated colleagues and direct involvement in the EU policy process. While the output mainly targets EU policy makers, publication of results in scientific journals is also encouraged.

WE LOOK FOR:

The ideal candidate should be passionate about working at the forefront of science and EU energy policy, have a solid scientific/technical background and a strong interest in energy issues.

Candidates should have a degree in a relevant science subject or in engineering, together with a minimum of 3 years of research experience or a Ph.D.

Proven experience and technical competence in one or more of the following fields is required:

- Solar resource assessment, in particular knowledge of satellite imagery products for solar radiation or the re-analysis products for climatological data would be an asset.
- Performance of solar energy technologies, in particular photovoltaic modules and/or systems
- Geospatial software and libraries such as GRASS, gdal, ArcInfo, QGIS or similar.
- Modelling, optimisation or Machine Learning techniques relevant to the technical scope
- Advanced programming skills primarily in Python, but also ability to work with C/C++; software management and version control tools.

To be successful in this role you should:

- Have very good analytic and quantitative skills: you can collect and analyse information, make sense of large amounts of data and formulate evidence-based decisions and recommendations;
- Be a good communicator: speak and write clearly in English (B2) and interact effectively with different stakeholders using a variety of communication media;
- Be a self-starter when needed;
- Be a team player: our work often incorporates inputs from many colleagues so team-work, open-mindedness and listening to other people's contributions are all important.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Ispira (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.