



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-PTT-C7-FGIV-019288

FG IV - Project Officer – Materials and resilient supply chains for clean energy and industrial technologies

POSITION FOR:

Member of contract staff FG IV – 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 European Commission, the mission of the 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 ‘Knowledge for the Energy Union’ Unit of Directorate C – Energy, Transport & Climate. Our mission is to support the delivery of the European Green Deal and the transition to a climate-neutral economy with scientific evidence, through the mapping and analysis of relevant knowledge and data, the generation of new evidence, the anticipation of evolving trends and effective communication.

Our staff (about 50) is based in Petten (NL). A bus service connects our offices to the cities of Alkmaar and Amsterdam (in addition to the regular schedule of the public means of transportation). Children of employees can attend the [European School in Bergen](#).

More information about CAST Permanent and contract agents in the European Institutions is available in this FAQ EPSO page [Contract agents | Careers with the European Union \(europa.eu\)](#)

WE PROPOSE:

We offer a dynamic position in an international organisation. You will be working at the interface between science and policy, contributing to industrial and energy policies with scientific analysis. Your work will focus on the role of raw and processed materials in the supply chains of clean energy, transport and industrial technologies. You will identify the materials needed for each technology, estimate their current and future demand and compare with global supply potential to detect supply risks. You will also contribute to the assessment of the supply risk throughout the complete supply chains, from materials to components and assemblies, as well as to the identification of bottlenecks and measures enhancing the resilience of the supply chains. In this position you will be interacting with EU policymakers and stakeholders from European industry and academia. The position offers opportunities for continuous professional development, training and participation in international conferences and policy-relevant forums.

The position:

As Project Officer in materials for clean energy and industrial technologies you will support the Commission policy making, underpinning the industrial and energy policies.

The work includes:

- the estimation of raw and processed materials demand from the energy, transport and industrial sectors in their transition to decarbonisation;
- the identification of raw and processed material supply risks that could affect the large scale

deployment of clean energy and industrial technologies;

- the identification of material substitution and recycling options for clean energy and industrial applications;
- the tracking of materials market and engineering developments;
- the analysis of impacts of policies and industrial competition strategies on the large scale deployment of clean energy technologies for the transition to climate neutrality.

You are expected to:

- Carry out research and manage existing knowledge on the use and availability of raw and processed materials for clean energy, transport and industrial technologies;
- Carry out materials supply risk assessments, as part of a team, using the methodological framework for supply risk and criticality assessment developed in the JRC;
- build and maintain datasets using public and proprietary, as it may be necessary, data sources and models to expand our understanding and substantiate our assessments;
- interact closely with other Commission Services as well as with stakeholders within and beyond the Commission;
- effectively communicate findings by authoring and publishing research reports and datasets, knowledge factsheets, policy support briefs;
- present project research at policy forums and scientific conferences.

Past research carried by the team includes:

- the identification of raw material supply bottlenecks for the large scale deployment of clean energy technologies to meet the climate neutrality targets of the European Union
- Foresight studies about the role of critical raw materials for strategic technologies and sectors in the EU
- In-depth analysis of the current and future use of specific materials in clean energy technologies

The work of this position will be carried out as part of a diverse team of highly motivated colleagues with experience in materials, supply chains and clean energy and industrial technologies.

You will work closely with other teams in the Unit, for instance responding to requests to support clean energy research and innovation, competitiveness and industrial policies.

Typical outputs from our team are JRC reports and briefs, conference proceedings, and, when appropriate, scientific journal papers.

WE LOOK FOR:

Profile:

You should apply for this position if you are passionate about working at the forefront of science and EU industrial policies, have a solid scientific background on materials and/or supply chains, some knowledge about clean energy and industrial technologies and a strong interest in the transition to climate neutrality. Experience in the materials industry (either design and processing, or manufacturing) is a plus.

This position can be very fulfilling, and in order to be successful in this role you should:

- Be analytical and have very good quantitative skills: you can collect and analyse information, make sense of large amounts of data and make decisions or recommendations based on solid analysis.
- Be a good and proactive communicator: you should be able to speak and write clearly in

English and to interact with different stakeholders.

- Be a self-starter: you can take initiative, being able to work with little supervision.
- Be a team player: our main results often incorporate inputs from many colleagues. It is important in this position to be able to work in a team, be open minded and listen to other people's contributions.

Qualifications and competences:

- Candidates should have an advanced degree in relevant scientific/engineering fields and 2 years' relevant professional experience is considered an advantage.
- Very good oral (B2 level) and writing skills (C1 level) in English, and the ability to produce concise overviews based on large volumes of diverse and often incomplete data, are essential. Your application should be supported by a publications/reports list.

INDICATIVE CONTRACT DURATION:

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

PLACE OF WORK:

Petten (NL)

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 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 the minority.