



VACANCY NOTICE – 2023-PTT-C7-FGIV-022676

Project Officer – Materials and supply chains for the clean energy and industrial transition

Type of contract	Member of the European Commission's contract staff, Function Group IV (article 3b of the Conditions of Employment of Other Servants)
Duration of contract	36 months (renewable up to maximum 6 years)
Area	<i>Clean energy and industrial transition. Materials and supply chains.</i>
Place of employment	Petten NL
Indicative basic salary	3877,47 - 5616,29 € (applicable as of 1 st of July 2022) For more detailed information please consult: Working Conditions .

WE ARE

The European Commission's [Joint Research Centre \(JRC\)](#) provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

The current vacancy is in the 'Energy Transition Insights for Policy' Unit, Directorate C – Energy, Mobility & Climate, of the JRC: Unit C.7 mission is to carry out energy research and analysis, making sense of trends, data and scientific evidence to support a just, competitive and resilient transition to a climate-neutral EU, focusing on innovation & competitiveness, the decarbonisation of industry and heating & cooling, supply chains, infrastructure planning, renewables integration and social aspects of the energy transition.

Our staff (about 45) is mainly based in Petten (NL). A convenient bus service connects our offices to the cities of Alkmaar and Amsterdam. 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 are looking for a materials and/or supply chains specialist for our Clean Energy Materials and Supply Chains team. The team performs research and analyses on the supply chains structure of technologies, which are strategic for the green energy transition, such as wind turbines, solar photovoltaic, fuel cells, electricity grids, etc. We explore the potential bottlenecks along the different steps of the supply chain by assessing the relevant supply risk and future demand for the main materials, components and assemblies needed in the selected technologies, based on policy-relevant scenarios or market trends. You will be working at the forefront of science to shape the EU's energy and industrial policies.



We offer a dynamic position in an international organisation with a competitive salary and benefits. You will be working at the interface between science and policy, contributing to the design and development of energy and industrial policies with scientific analysis, working in close partnership with other teams within our unit, industrial experts and policymakers.

The position offers opportunities for continuous professional development, training and participation in international conferences and policy-relevant forums.

WE PROPOSE

You will be part of the *Materials and Supply Chains for the Energy Transition* team, supporting European Commission policymaking for the decarbonisation of our society, with a focus on energy and industry and in particular on their requirements in materials and manufacturing of components and systems. Our team's recent achievements include the Foresight study on supply chain analysis and material demand forecast in strategic technologies and sectors, which provides the essential scientific evidence for the Critical Raw Materials Act.

The jobholder will provide scientific support to policy-making for the energy and industrial policies that enable the clean energy transition and will focus on:

- Analysis of the complete value chains of clean energy, transport and industrial technologies and of the role of materials sourcing and components manufacturing in the relevant supply chains.
- Identification of the raw, processed and advanced materials needed for each technology, estimation of their current and future demand, and comparison with global supply potential and with the current and forecasted sourcing trends to detect supply risks.
- Assessment of the supply risk throughout the complete supply chains, from materials to components and assemblies, identification of bottlenecks and analysis of measures for enhancing the resilience of the supply chains and management of supply disruption risks.
- Mapping of the EU landscape for materials processing and for manufacturing of advanced materials and critical components for the relevant energy technologies; overview of substitution opportunities and challenges for selected energy technologies.

Expected tasks:

- Carry out research and manage existing knowledge on supply chain analysis and the use and availability of materials and components 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, criticality assessment and foresight analysis 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;
- Establish and maintain regular contact and exchanges with Commission services, other EU policymakers and international organisations;



- Effectively communicate findings by authoring and publishing research reports and datasets, knowledge factsheets, policy support briefings and input for evidence-informed policymaking related to supply chains resilience, and present findings at policy forums and scientific conferences;
- Collaborate with other teams on various policy-relevant scientific topics in the unit, with other JRC and Commission units, or with external contractors.

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.

WE LOOK FOR

We are looking for a researcher with specialist knowledge in clean energy technologies, in particular, materials, supply chains and manufacturing. Candidates should have robust knowledge on the industrial processes for clean energy technologies and/or the relevant materials and supply chains. A background or competence in economics, energy planning/modelling, energy components/systems manufacturing or management of supply chains is an advantage.

The ideal candidate should:

- Be analytical and have very good quantitative skills: be able to collect and analyse information, make sense of large amounts of data and make decisions or recommendations based on solid analysis;
- Be a team player and proactive communicator, able to work quickly, efficiently and collaboratively in response to ad-hoc requests and to interact with a range of stakeholders;
- Be a confident, practical and innovative character, with openness to working hands-on and independently on diverse challenges and topics in parallel.

Qualifications and competences:

- An advanced degree in a relevant scientific/engineering/economics field and a minimum of 2 years' relevant professional experience (e.g. evidence-informed policymaking), or alternatively a doctoral diploma in a related scientific/engineering/economics field;
- Any additional professional experience in providing scientific evidence for policy or research related to energy materials supply chains is considered an advantage (your application should be supported by a publications/reports list);
- Have very good oral (B2 level) and writing (C1 level) skills in English.

HOW TO APPLY

If you are **already on a valid CAST FG IV reserve list**, or you **have already applied to one of the calls below**, you can directly submit your application at <http://recruitment.jrc.ec.europa.eu/?type=AX>.

If not, before applying to this position, **you must register** for one of the two following:



- the [Call for Expressions of Interest | EU Careers \(europa.eu\)](https://europa.eu) (CAST Permanent FG IV), which is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), or
- the [specialised call for researchers](#) (JRC Call COM/1/2015/GFIV – Research), which is mainly used by the JRC.

Note that each of the calls above has **different minimum eligibility requirements and different selection tests**.

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