



VACANCY NOTICE – 2023-PTT-C3-FGIV-023837

FG IV – Energy Markets and Techno-Economic Analyst

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	Energy systems and markets modelling and analysis
Place of employment	Petten NL
Indicative basic salary	3877,47 - 5616,29 € (applicable as of 1 st of July 2022), plus allowances. For more detailed information please consult: Working Conditions

WE ARE

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

The current vacancy is with Unit C.3 “Energy System, Markets and Distribution” of the Directorate C for: Energy, Climate and Mobility.

The Unit comprises of about 50 staff members based in the JRC Petten (NL), Ispra (IT) and Seville (ES) sites.

The Energy Security, Distribution and Markets Unit informs and supports the energy policy-making processes, particularly in the electricity and gas fields.

Our Unit's activities are framed in the context of the EU's climate-neutrality policies, particularly the Green Deal and Digitalisation initiatives.

Such policies call for a profound rethinking and transformation of our energy systems and markets, subjected to growing decarbonisation, decentralisation, electrification and digitalisation forces and trends.

Further information: <https://ses.jrc.ec.europa.eu/>.

WE OFFER:

A unique opportunity to support the core EU policies related to the EU energy market reform, with direct interaction with policy-makers, and a family-friendly working environment, with online collaboration and occasional travel.



WE PROPOSE

Amongst other activities, our Unit conducts tests and studies related to the electricity market design and evolutions as shaped by policy actions, technological innovation and social behaviours.

In this context, our Unit is looking for a new colleague tasked to:

- Supervise and conduct research activities on electricity market schemes and design challenges.
- Contribute to run power system/market models to assess market dynamics in different scenarios.
- Interact with relevant governmental, regulatory, industrial (and other) stakeholders in the electricity field.
- Handle and analyse public and commercial information concerning spatially distributed data of electricity demand and prices, and of electricity grids/systems in Europe and beyond.
- Write and review scientific articles and reports.

This position offers varied tasks and access to advanced simulation tools and cutting-edge research infrastructure, in a friendly and multi-disciplinary team. It also offers opportunities for continuous professional development, training and participation in scientific and policy-relevant conferences/fora.

WE LOOK FOR

We are looking for an Energy System and Market Analyst. In order to be successful in this role you should:

- Be passionate about working at the intersection of science and EU policy making in the energy field.
- Display knowledge of energy market dynamics and techno-economic assessment methodologies.

The following skills are furthermore an asset:

- Linear optimization and power sector modelling.
- Python as a programming language.

It is further essential to:

- Be able to work in a team and in a multi-cultural environment.
- Show a proactive approach for resolving issues and finding solutions in a complex environment.
- Be able to communicate and interact with different stakeholders.
- Have completed relevant university studies of at least three years (attested by a diploma) and at least 3 years of professional experience/PhD in a field relevant to the position, such as (but not limited to) electrical, computer, automation and/or power system engineering.
- Have an English level at least equivalent to B2.



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 \(europa.eu\)](#) (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.