



2022-IPR-C3-FGIV-020489

**FG IV - Scientific Project Officer - Electricity System
Integration and Grid Modeller**

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 (JRC) 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 Energy Security, Distribution and Markets Unit of Directorate for Energy, Transport & Climate of the JRC. 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.

More information on our Unit's power-related activities is accessible here: <https://ses.jrc.ec.europa.eu/>.

WE PROPOSE:

Amongst other activities, our Unit conducts desktop analyses and modelling exercises on the electrification of the energy sector, and the perspective market evolutions as influenced or driven by policy actions, technological innovation and social behaviours.

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

- Gather and analyse data of electricity systems/grids, energy demand and prices, in Europe and beyond.
- Study the systemic impact and the integration of low-carbon solutions and technologies - ranging from renewable energy generation sources to storage devices and electric vehicles.
- Analyse different electricity security scenarios by running different electricity system models at national and regional scale and addressing uncertainties.
- Contribute to other Unit's activities on the power & gas systems and adjoining sectors (mobility, buildings, cities...).
- Write and review scientific articles and reports.
- Participate in research projects and international cooperation activities.

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:

In order to be successful in this role you should:

- 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/power system engineering and economics.
- Be passionate about working at the intersection of science and EU policy making in the energy

field.

- Display knowledge of electricity system integration challenges and grid development/operation issues
- Possess energy system modelling and simulation experience.
- Be able to work in a team and in a multi-cultural environment.
- Be a dynamic, creative, motivated and proactive person with a strong sense of responsibility and commitment to deliver.
- Be able to communicate and interact with different stakeholders.
- Have an English level at least equivalent to B2.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Ispira (IT)

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 Joint Research Centre

- 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.