



2022-PTT-C3-FGIV-020874

**FG IV – Expert in techno-economic assessment of energy systems**

**POSITION FOR:**

Member of the 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 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 C3 Energy Security, Distribution and Markets Unit of Directorate C - 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, subject 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 analysis of the contribution that gases (natural gas, hydrogen, biogas and bio-methane) may play in the decarbonisation of the energy system and how the targets of the Green Deal may be achieved in a stepwise, secure manner.

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

- Conduct research activities on the techno-economic analysis of the EU energy system, paying special attention to the integration of new gases and to the implications of the integration of these new gases in energy security.
- Contribute to the identification of data, both public and non-public, their acquisition, management and analysis.
- Interact with relevant governmental, regulatory, industrial (and other) stakeholders in the natural gas and renewable gases fields.
- Contribute to related activities of our Unit.
- 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:

- Be passionate about working at the intersection of science and EU policy making in the energy field.
- Have a broad understanding of energy systems at national and EU levels.
- Possess energy system modelling and simulation experience, specifically in techno-economic models (e.g., MARKAL/TIMES, PLEXOS, METIS or similar ones).
- Have some statistical skills.
- 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 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) Engineering, Physics, Mathematics, Statistics and Economics.
- 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:**

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](https://epso.europa.eu/documents/2240_en)

- (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.