



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-PTT-C7-FGIV-020608

FG IV – Project officer - Energy System Modelling  
and Analysis

**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 and the anticipation of evolving trends.

Our staff (about 50) 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 PROPOSE:**

We offer a dynamic position in an international organisation. You will work at the interface between science and policy and support European energy policy making with the analysis of relevant knowledge and data, the generation of new evidence, the anticipation of evolving trends and their effective communication. The expected outputs include knowledge and research syntheses, scenario impact assessments and data analyses that will be largely based on quantitative analysis/modelling.

In this position you will be interacting with EU policy-makers, relevant international organisations, and stakeholders from European industry and academia. You will work in close collaboration with other colleagues and maintain close contacts with stakeholders in and outside the Commission, most notably energy policy makers (DG ENER). The position further offers opportunities for continuous professional development, training and participation in international conferences and policy-relevant forums.

The functions and duties of this position include:

- Develop and apply energy/power models, most notably such as METIS<sup>1</sup>, to assess quantitatively the impacts, challenges and opportunities of the transition to a climate neutral European energy system.

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<sup>1</sup> See for example, <https://publications.jrc.ec.europa.eu/repository/handle/JRC127862>,  
<https://publications.jrc.ec.europa.eu/repository/handle/JRC126227>

- Provide scientific facts and analyses for policy design by investigating issues like decarbonisation pathways, cross-sectoral energy system integration, renewable energy integration and storage valuation.
- Effectively communicate and present findings to partner policy DGs and at international conferences, and, author related research reports, scientific publications, knowledge factsheets and policy support briefs.

Typical outputs from our team are JRC reports and briefs that underpin EU policies and measures, conference proceedings, and, where appropriate, scientific journal papers.

## **WE LOOK FOR:**

### **Profile:**

You should apply for this position if you are passionate to work at the forefront of science and EU energy policies, produce modelling insights on policy relevant energy system and market developments and analyse how the decarbonisation of the European energy system can contribute to the transition to climate neutrality. This position can be very fulfilling and, in order to be successful in this role, you should:

- Have an analytical mindset and solid quantitative modelling skills. You can collect and make sense of large volumes of information, 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 interact with different stakeholders.
- You can take initiative, lead a number of different tasks and be 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/economic fields and a minimum of 3 years relevant professional experience, e.g. in the energy sector, or a doctoral diploma with relevant research experience.
- Expertise in energy market dynamics, design and regulation, with prior experience on the functioning of European power and gas systems is essential.
- Experience with power system modelling and programming languages such as Python, R or other data management tools would be considered a strong advantage.
- Very good drafting skills (C1 level) and synthesis ability (B2 level) in English, supported by a publications/reports list are essential; any other languages would be regarded as an asset.
- We look for a person with strong interest on energy issues, who will have a good aptitude of taking initiative, developing new concepts and be a strong team player. We also particularly look for the following characteristics: flexibility, collaborative attitude, clear writing and ability to identify gaps in knowledge and evidence for policy considerations.

### **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](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.