



2019-PTT-C3-FGIV-012728

**FG IV – Project Officer – Expert in modelling
natural gas networks**

<p>Position for:</p> <p>FG IV – Project Officer - Scientific</p>	<p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>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/</p> <p>This vacancy is within the Energy Security, Distribution and Markets Unit of Directorate C - Energy, Transport & Climate (JRC.C.3), with a mission of providing scientific and technical support to the Energy Union, in particular to its two first dimensions: 1) energy security, solidarity and trusts, and 2) a fully integrated energy market. Our staff (circa 50) is split between Petten (NL) and Ispra (IT) sites. Since its creation, our Unit has developed EU regional gas network hydraulic models, developing a wide expertise in this research area. These models are used to assess security of gas supply at regional and national level in the EU. Our Unit is recruiting an expert to support our activities in this field.</p> <p>The successful candidate will:</p> <ul style="list-style-type: none">- search for and collect data from open sources, Transmission System Operators and available commercial data bases to feed available models at JRC.C.3 and to develop new models,- update existing models and build new hydraulic gas transport models for neighbouring countries,- run gas crisis scenarios, separately or as part of Risk Assessments, to evaluate the security of supply at national and regional level in the EU,- collaborate with other members of the Unit to develop ad-hoc tasks related to security of gas supply depending on the needs of the European Commission and Member States,- produce technical and policy support reports and scientific papers. <p>Qualifications:</p> <p>The ideal candidate should have a degree in a relevant scientific area or in engineering, physics, mathematics, or similar disciplines, together with a minimum of 3 years of research experience or a Ph.D.</p>
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	<p>A good understanding of the physics of natural gas transport and good programming skills are essential. Experience in one or more of the following fields is highly desirable: modelling of gas transport networks, modelling of electricity networks, numerical methods for solving differential equations, probability and statistics, and geographical information systems.</p> <p>S/he should be able to work in a multi-disciplinary team of experts and have good communication skills with experts and non-experts.</p> <p>This position offers a number of varied and interesting tasks in a friendly, multi-disciplinary and well-integrated team to a motivated, flexible and reliable colleague.</p> <p>Very good command of English (B2 level minimum) is essential.</p>
Directorate Unit	<p>Directorate C - Energy Transport and Climate Unit C.3 Energy Security, Distribution and Markets</p> <p>Further information: https://ses.jrc.ec.europa.eu/</p>
Indicative duration	<p>36 months initial contract with possible renewals up to maximum 6 years</p>
JRC Site Country	<p>Petten THE NETHERLANDS</p>
Rules and eligibility	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>Applicants to the following Calls for expression of interest can also be considered:</p> <ol style="list-style-type: none"> 1. CAST Permanent - EPSO has launched in January 2017 an open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. Details available at the link below: https://epso.europa.eu/documents/2240_en 2. Call COM/1/2015/GFIV – Research - The JRC has launched in January 2015 a permanent call for researchers FG IV. Details available at the link below: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>