



2020-IPR-C-000-014591

CROSOS: cross-border security of supply

<p>Position for:</p> <p>Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of 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: http://www.jrc.ec.europa.eu</p> <p>The mission of the JRC's Energy Security, Distribution and Markets Unit (C.3) is to aid and inform the European Institutions, Member States and relevant stakeholders on issues relevant to ensuring the proper design and functioning of the energy markets, and the digitalization of energy systems, and the uninterrupted physical availability of energy products and services at an affordable price for all consumers. C3 assesses how the different policy options help shape an energy system resilient to shocks, disturbances, and adverse trends, whilst satisfying European society's energy needs.</p> <p><u>Short description of activity:</u></p> <p>Among other activities, the unit conducts studies related to electricity security of supply. The current transition of the energy system, with more distributed energy resources, storage systems, electrification of transport heating and cooling and demand response is increasing the uncertainty in the total demand and demand to be supplied at transmission level.</p> <p>The main activity of the trainee will be helping in analysing new techniques to improve load-forecasting, focusing on a comparison among techniques, their advantages and disadvantages, data requirements, and computational time.</p>
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	<p><u>Qualifications:</u></p> <p><u>Essential:</u> The applicant should have engineering, economics, physics, mathematics or statistical degree. S/he should have some knowledge of Matlab and/or R and/or Python, and good knowledge of Excel and Word tools.</p> <p>A good oral and written knowledge of English is required (at least level B2).</p> <p><u>Advantage:</u> Good communication skills, team work, and the ability to search through publications and data, to analyse, and to summarise critical information is desired. Previous knowledge of forecasting techniques, AI, or data mining.</p> <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Unit /Directorate	<p>Unit C3 Energy Security, Distribution and Markets in JRC Directorate C - Energy, Transport and Climate</p> <p>Further information: http://ses.jrc.ec.europa.eu/</p>
Indicative duration	5 months
Preferred starting date	Q4 2020
JRC Site	Ispra
Country	ITALY
JRC contact details	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>