



2021-IPR-C-000-016528

SGI – Smart Grid Interoperability

Position for:

Trainee

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.

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>

Short description of activity:

Among other activities, the unit conducts studies related to the interoperability aspects of smart grid systems. The Smart Grid Interoperability Laboratory (SGILAB) in Ispra works on the different layers of the smart grid architecture, from protocols and communications, to devices and subsystems. Among many others, it is equipped with real time simulators, energy storage systems and a large ICT infrastructure that will enable the emulation of complex communication scenarios.

Working in the SGILAB, the main activity of the jobholder will be helping in the activities of electricity Demand Side Flexibility. The work requires:

- to perform a literature review on the state of the art on Demand side flexibility in Europe, following the work done by EG3 on Demand Side Flexibility barriers in Europe;
- to investigate what research projects have been awarded through H2020 on this subject;
- to formulate an inventory of European projects focussing on Demand Side Flexibility and analyse the main characteristics and achievement of these projects.

Qualifications:

Onsite trainings and introduction will be provided on most topics related to the development of the laboratory.

	<p>Essential: The applicant should have electricity, mechanical, electronic engineering degree or similar training. Must be research oriented, problem solver and have good writing skills to participate in the production of technical reports or scientific papers. The applicant should also have knowledge of Excel and Word tools as well as of Power systems and simulation software.</p> <p>A good oral and written knowledge of English is required (at least level B2).</p> <p>Advantage: Good communication skills, teamwork, creativity, perseverance and the ability to search through data, to analyse, and to summarise critical information is desired.</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	Unit C3 Energy Security, Distribution and Markets in JRC Directorate C - Energy, Transport and Climate Further information: http://ses.jrc.ec.europa.eu/
Indicative duration	5 months
Preferred starting date	15/04/2021
JRC Site	ISPRA
Country	ITALY
<u>JRC contact details</u>	For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu