



2016-IPR-F-000-7135

**Geographical information systems for  
energy yield prediction of photovoltaics**

**Position for:**

Trainee

**Short description of activity:**

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.

With 7 Scientific Institutes, 3 Corporate Directorates and the DG/DDG Office, 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>.

The JRC's European Solar Test Installation (ESTI) is a European reference lab for performance measurement of innovative photovoltaic technologies. For investors in PV systems it is critical to have an accurate estimate of energy output (kWh) as opposed to simply installed capacity (kW). The JRC's online PVGIS system incorporates a reliable model of power output, but scope exists to extend its capabilities and validation. The proposed project will involve enhancing the capabilities to visualize and deliver data on solar radiation PV yield estimates.

**Qualifications:**

**Essential:**

The candidate should:

- be a recent graduate or an undergraduate (please verify also general eligibility requirements) in the last 1-2 years of university education in the fields of science, engineering, or informatics.
- have good knowledge of spoken and written English (level B2).

For undergraduates, please note that person should be studying at the university and preparing thesis. Purpose of the training must be directly related to the subject of the thesis.

	<p><b>Advantage:</b></p> <ul style="list-style-type: none"> <li>• good knowledge of one or more of the following areas: principles of photovoltaic solar energy; data analysis and statistics; programming, including programming for web applications.</li> </ul> <p><b><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></b></p> <p><a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</a></p>
<b>Institute/Directorate Unit</b>	<p>Institute for Energy and Transport Renewables and Energy Efficiency (F7) PV-GIS</p> <p>Further information: <a href="http://re.jrc.ec.europa.eu/esti">http://re.jrc.ec.europa.eu/esti</a></p>
<b>Indicative duration</b>	5 months
<b>Preferred starting date</b>	01/06/2016
<b>JRC Site</b>	Ispra
<b>Country</b>	Italy
<b><u>JRC contact details</u></b>	<p><b>For any technical problems with your application, please contact:</b> <a href="mailto:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a></p>