



2017-IPR-E-000-8269

**Combining resilience with sustainability
and energy efficiency**

<p>Position for:</p> <p>Trainee</p>	<p><u>Short description of activity:</u></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: http://www.jrc.ec.europa.eu</p> <p>The Trainee will work in the Unit Safety and Security of Buildings, where he/she will be integrated in a team dealing with the implications of sustainability and energy efficiency requirements on building design and retrofit.</p> <p>The objective of the traineeship is to expose the trainee to the on-going research activities and to the current trends in the European standardization process.</p> <p>The trainee will assist in defining a possible methodology to optimize building design in terms of resilience as well as sustainability and energy efficiency.</p> <p><u>Qualifications:</u> <u>Essential:</u></p> <p>The candidate must have a University degree in Architecture or Building Engineering. Applications from students working on their thesis are also welcome (the subject of the thesis must be directly related to the project).</p> <p>Good knowledge of Structural Design including Earthquake Engineering, Life Cycle Analysis and Energy Management for Buildings is required, as certified by courses taken, subject of the thesis and/or eventual previous research/work experience.</p>
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	<p>Good knowledge of English and positive attitude to team working are required.</p> <p><u>Advantage:</u> Experience in the use of computer codes for Life Cycle Analysis (e.g. Simapro) is considered an asset.</p> <p>Motivation and realistic plans on how to exploit the acquired knowledge in his/her career shall also be assessed.</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>
Institute/Directorate Unit	<p>Directorate E: Space, Security and Migration Safety and Security of buildings Unit</p> <p>Further information: http://elsa.jrc.ec.europa.eu</p>
Indicative duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact: JRC-ESRA@ec.europa.eu</p>