



2016-IPR-E-000-8007

**Training on the  
Life-Cycle Assessment in  
buildings seismic retrofitting**

<p><b>Position for:</b></p> <p>Trainee</p>	<p><b><u>Short description of activity:</u></b></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: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a>.</p> <p>The Safety &amp; Security of Buildings Unit is seeking a trainee to be integrated in the team dealing with the seismic risk and energy efficiency assessment of the urban building stock across the European Union.</p> <p>The training, under the supervision of the traineeship adviser, aims to assess the environmental burden associated with the techniques and materials used in seismic retrofitting of existing EU buildings. Both conventional (i.e. concrete/steel jacketing, shear walls) and advanced strengthening materials (i.e. FRP, TRM) and techniques will be considered in the life-cycle assessment (LCA), using a well-known LCA software. The trainee will prepare a technical report at the end of his/her stay.</p> <p><b><u>Qualifications:</u></b> <b><u>Essentials:</u></b> Candidates must hold a University degree in civil/structural engineering and an MSc in a field relevant to the topic of the call.</p> <p>Applications from students currently preparing a thesis for an MSc degree are eligible. The thesis should match with the subject of the project call.</p> <p>A good knowledge of the English language (level B2) is essential.</p>
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	<p>Candidates must have good analysing and problem-solving skills.</p> <p><b><u>Advantage:</u></b> Previous research or professional experience relevant to the topic of the call will be considered an advantage.</p> <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>Directorate Unit</b>	<p>Space, Security &amp; Migration Safety &amp; Security of Buildings</p> <p>Further information: <a href="https://ec.europa.eu/jrc/en">https://ec.europa.eu/jrc/en</a></p>
<b>Indicative duration</b>	5 months
<b>Preferred starting date</b>	May/June 2017
<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>