



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL  
HUMAN RESOURCES AND SECURITY  
Directorate HR.AMC - Account Management Centre  
Account Management Centre 8 - serving JRC

2020-IPR-E-000-014808

**Adaptation of structures to the impacts of a changing climate**

<p><b>Position for:</b></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: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a></p> <p><b>Short description of activity:</b></p> <p>The current trainee vacancy is in the Directorate E - Space, Security &amp; Migration, located in Ispra, Italy, in the Safety &amp; Security of Buildings Unit. Among others, this Unit aims to create harmonized guidelines for strengthening European competitiveness in the building sector and to conduct pre-normative research towards European standards for safety and security, addressing sustainability and efficiency issues, innovation and resilience in close collaboration with European Research Institutes, Standardisation Organisations and policy makers.</p> <p>We are looking for a trainee to be integrated within a team that provides support to policies and standards for safe and sustainable construction.</p> <p>A more efficient and sustainable resource use on the construction sector comprises the adaptation of new and existing structures to future impacts of changing climate.</p> <p>The trainee will contribute to assess the expected implications of climate change on the corrosion of structures. More specifically, the trainee will contribute to analyse the potential of corrosion damage at the existing European building stock taking into consideration different climate projections. Based on estimated corrosion damage, age and geographical distribution of buildings, the trainee will contribute to a first identification of most critical regions in Europe.</p>
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	<p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <ul style="list-style-type: none"> <li>• A recent university degree in engineering.</li> <li>• Good communication skills, verbal and written,</li> <li>• Good command of English (level B2).</li> <li>• Knowledge and hands-on experience in Microsoft Office (mainly Excel).</li> </ul> <p><b><u>Advantage:</u></b></p> <p>The ideal candidate shall be a good team player, and the following will be considered advantages:</p> <ul style="list-style-type: none"> <li>• Minimum 3 years of studies related to the construction sector.</li> <li>• Basic knowledge on standardization for construction.</li> <li>• Knowledge on modelling the corrosion of structures, risk analysis, probabilistic approaches.</li> <li>• Knowledge and hands-on experience in Geographic Information Systems (GIS).</li> <li>• Knowledge of programming language or software especially suited for numeric computation and scientific computing.</li> <li>• Data management and visualization skills</li> <li>• English level greater than B2.</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>Unit /Directorate</b>	Space, Security & Migration Safety & Security of Buildings
<b>Duration</b> <b>Preferred starting date</b>	5 months 1 <sup>st</sup> October 2020
<b>JRC Site</b> <b>Country</b>	Ispra Italy
<b><u>JRC contact details</u></b>	<b>For any technical problems with your application, please contact:</b> <a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a>