



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

2019-IPR-E-000-013329

**Training on the  
Analysis of Urban Public Spaces: GIS  
spatial analysis**

<b>Position for:</b>	<b><u>Short description of activity:</u></b>
Trainee	<p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre (JRC) 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 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, the Unit works in the field of the security of public spaces, in particular security by design and innovative technologies.</p> <p>We are looking for a trainee to be integrated within a small team working on the analysis of cities, the urban environment, and innovative technologies in smart cities (IoT, wireless sensor networks, machine vision) for the security of public spaces.</p> <p>The assignment is focused on the analysis of urban areas and public spaces for the development of strategies to support the implementation of Smart and Safe City technology and systems. In particular, the possibility to identify public spaces from indirect data (e.g. social networks' data) will be considered and compared to the cities defined public areas (such as parks or pedestrian areas). The second step will be to consider the effectiveness of monitoring technologies to cover those areas by performing spatial analysis based on the technical parameters of heterogeneous sensors.</p>

	<p><b><u>Essential qualifications:</u></b></p> <ul style="list-style-type: none"> <li>• The candidate must hold a recent University degree related to Geographic Information Science and Spatial Analysis (e.g. Geographic Science, Urban Planning, Architecture, Engineering).</li> <li>• The candidate will have good communication skills, verbal and written, and a good command of English (level B2).</li> <li>• Knowledge and hands-on experience in GIS and spatial analysis.</li> </ul> <p><b><u>Advantages</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>• Spatial Analysis</li> <li>• Urban Analysis, Planning</li> <li>• Programming skills (e.g. Python, SQL, Matlab, R)</li> <li>• Database development</li> <li>• Data Visualization skills</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>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>	as soon as possible
<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:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a></p>