



2021-IPR-E-000-018090

Contribution to the operations and further development of the Copernicus On-Demand Mapping service

<p>Position for:</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: https://ec.europa.eu/jrc/en</p> <p>Short description of activity:</p> <p>Within the JRC, the Copernicus On-Demand Mapping Team of the Disaster Risk Management unit uses satellite imagery and other geospatial data to provide free of charge mapping service in cases of natural disasters, human-made emergencies and humanitarian crises throughout the world. On-demand Mapping consists of three modules: Rapid Mapping (RM) for the emergency response in the immediate aftermath of a disaster; Risk and Recovery Mapping (RRM) for the disaster management phases related to prevention, preparedness, disaster risk reduction and recovery; and Validation, that ensures the quality and continuous improvement of the products and services delivered.</p> <p>The successful candidate will collaborate with the Mapping Team on the management of the operations and further development of the service.</p> <p>More specifically, the candidate will learn and contribute to quality control operations and explore the potential offered by cloud computing platforms such as Google Earth Engine. She/he will contribute to the development of new products and tools. He/She will investigate the relevance of newly released open-source data in relation to different hazards/risks and explore possibilities in relation to models validation and risk assessment.</p> <p>Qualifications:</p> <p>Essential:</p> <p>The ideal candidate should be an Environmental Engineer/Computer Scientist</p>
--	--

	<p>with the following qualifications:</p> <ul style="list-style-type: none"> •Familiarity with geographic techniques (data acquisition and processing, GIS, remote sensing) •Good knowledge of JavaScript and python. •Good knowledge of spoken and written English (B2 level at least). <p><u>Advantage:</u></p> <ul style="list-style-type: none"> •Knowledge of other EU languages. •Experience with a cloud computing platform such as Google Earth Engine. <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>
Unit /Directorate	E - Space, Security and Migration Disaster Risk Management Unit
Duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
JRC contact details	For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu