



2018-IPR-D-000-010100

**Modelling soil erosion based on future
land use scenarios at European scale**

<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: http://www.jrc.ec.europa.eu</p> <p>Short description of activity: The Land Resources Unit of the Sustainable Resources Directorate is looking for a highly motivated trainee to support the Soil Natural Capital project.</p> <p>The Soil Natural Capital project supports the development and monitoring of EU policies addressing soil, specifically the EU soil Thematic Strategy. A multi-disciplinary team modelling soil threats and soil functions at European scale implements the project. The main project activities are listed in the European Soil Data Centre: http://esdac.jrc.ec.europa.eu/</p> <p>In particular, the trainee under the supervision of the Traineeship adviser will contribute to the assessment of soil erosion scenarios based on land use change projections. The assessment will contribute to policy relevant indicators such as soil erosion by water. The modelling development will also take into account the policy developments such as the Common Agricultural Policy.</p> <p>Qualifications:</p> <p>Essential:</p> <ul style="list-style-type: none">• University degree or Master's degree in field of soil science or environmental sciences• Good communication and inter-personal
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	<p>skills and ability to work in a team</p> <ul style="list-style-type: none"> • Strong interest in soil erosion modelling with experience in RUSLE model or relevant. • Good knowledge of spoken and written English (B2 level). <p><u>Advantage:</u></p> <ul style="list-style-type: none"> • Knowledge of land use change projections and know-how on spatial and temporal analysis of erosion input factors • Demonstration of modelling large-scale datasets and excellent knowledge of ArcGIS spatial analyst. <p><i>Relevant publications in peer review journals should be highlighted.</i></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>
Unit / Directorate	Sustainable Resources (D) Land Resources Unit (D.3) Further information: http://esdac.jrc.ec.europa.eu/
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: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>