



2020-IPR-D1-FGIV-016010

**FG IV - SCIENTIFIC PROJECT OFFICER -  
EARTH OBSERVATION AND DEEP LEARNING  
FOR FOREST DISTURBANCE MONITORING  
IN EUROPE**

<p><b>Position for:</b></p> <p><b>FGIV- Project Officer - Scientific</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="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</a></p> <p>The vacancy is within the Bioeconomy Unit of the Directorate for Sustainable Resources, located in Ispra, Italy, which has been charged with setting up an EU Observatory on deforestation, forest degradation, and changes in the world's forest cover. Among other things, the Observatory will research forest degradation in Europe using a combination of Earth Observation (EO), machine and deep learning, and process-based modelling.</p> <p>The overall purpose of this job is to research disturbance regimes (other than wildfires) in European forests, how they can be monitored close-to-real-time using EO as well as other geospatial data. A particular question to address in this job is the attribution of individual disturbance events, detected using EO, to particular agents, be they biotic, abiotic, or anthropogenic.</p> <p>Qualifications:</p> <p>Essential:</p> <ul style="list-style-type: none"><li>• A doctoral diploma in computational ecology, Earth systems sciences, applied computer science, forestry, or related field, or alternatively completed university studies of at least three years attested by a diploma and at least five years of professional experience in a field relevant to the position;</li><li>• Extensive knowledge and experience in geospatial environmental or ecological analysis of large data sets with advanced machine learning, computer vision, and/or deep learning;</li><li>• Proficiency in programming (Python and R in particular);</li><li>• Good spoken and written English (B2).</li></ul> <p>Assets:</p> <ul style="list-style-type: none"><li>• Knowledge and experience of European forest ecology;</li><li>• Working in a Unix computing environment;</li><li>• A strong academic publication record;</li><li>• Experience working in multi-cultural environments;</li><li>• Knowledge of languages besides English;</li><li>• Knowledge of relevant EU policies and experience at the science-policy interface.</li></ul>
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	<p>The selected candidate will work in a small research team interacting within and beyond the larger Unit, and will need to be able to conduct their research with considerable independence.</p>
<b>Directorate Unit</b>	<p>Sustainable Resources Bio-Economy Unit</p> <p>Further information: <a href="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</a></p>
<b>Indicative duration</b>	<p>36 months initial contract with possible renewals up to maximum 6 years</p>
<b>JRC Site</b> <b>Country</b>	<p>Ispira</p> <p>Italy</p>
<b>Rules and eligibility</b>	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IV contract staff, you can still apply by following these steps.</p> <p>You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. <a href="https://epso.europa.eu/documents/2240_en">https://epso.europa.eu/documents/2240_en</a></p> <p>2. JRC Call COM/1/2015/GFIV – Research: open-ended selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. Details available at the link below: <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers">https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</a></p> <p>Only then you can apply for this specific position, through <a href="http://recruitment.jrc.ec.europa.eu/?type=AX">http://recruitment.jrc.ec.europa.eu/?type=AX</a></p> <p><b>Auxiliary contract staff:</b> <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</a></p> <p>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.</p> <p><i>Please note that in case a high number of applications is received only shortlisted candidates will be contacted.</i></p>