



2020-IPR-D-000-015148

**Monitoring European Forest Health Using
Remote Sensing**

Position for:

Trainee

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.

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>

Short description of activity:

The Bio-Economy Unit of the JRC researches, among other things, European forests, and the threats they face. These threats come from climate change, from a changing disturbance regime, and from unsustainable exploitation. Earth Observation, and big geospatial data more generally, provide unprecedented opportunities to gain insight into these processes as they play out, and over large areas.

Consistent global warming, ongoing large outbreaks of forest pests, and concerns about habitat degradation or illegal logging in certain parts of Europe show the need to grasp these opportunities to preserve and restore Europe's forest resources, and the services they provide.

The successful applicant will participate in research that uses remote sensing data alongside data on weather patterns, and both biotic and abiotic disturbances to bring Europe-wide forest health monitoring nearer to real-time.

	<p><u>Qualifications:</u></p> <p><u>Essential:</u> A university degree in Environmental Sciences, other natural sciences, Earth Observation, Statistics or Mathematics. Good knowledge of spoken and written English (B2) Basic knowledge of either GIS and R or Python</p> <p><u>Advantage:</u> Proficiency programming in Python and/or R, particularly for data science and spatial analyses. Experience with Google Earth Engine.</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	Unit D1 Bio-Economy Directorate D Sustainable Resources
Duration	5 months
Preferred starting date	16 th of October
JRC Site	Ispra
Country	Italy
JRC contact details	<p>For any technical problems with your application, please contact:</p> <p>HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>