



VACANCY NOTICE – 2023-IPR-D1-FGIV-022622

Climate scientist – Tracking land carbon towards climate neutrality

Type of contract	Member of the European Commission's contract staff, Function Group IV (article 3b of the Conditions of Employment of Other Servants)
Duration of contract	36 months (renewable up to maximum 6 years)
Area	Climate mitigation, land use
Place of employment	Ispra (Italy)
Indicative basic salary	3877,47 - 5616,29 € + allowances For more detailed information please consult: Working Conditions

WE ARE

The [Joint Research Centre \(JRC\)](#) provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

The current vacancy is in the **Forests and Bioeconomy Unit** of the **Directorate for Sustainable Resources** of the JRC. The unit promotes a sustainable management of forest resources and bioeconomy through anticipation, conception, monitoring and impact assessment of relevant EU and global policies, whilst providing scientific and technological contributions to policies for climate change mitigation and adaptation and for the implementation of the Sustainable Development Goals.

Further information: <https://forest.jrc.ec.europa.eu/en/activities/lulucf/>

A highly motivated team, renowned for bridging scientific and policy-making communities, is providing key information for the sound implementation of various land and climate-related policies in the EU, such as the Land Use, Land-Use Change and Forestry (LULUCF) regulation and the EU forest strategy, through the use of forest statistics, modelling tools and Earth observation data. The project is monitoring progress towards EU climate targets, assessing gaps and opportunities for the forest sector to contribute reaching climate neutrality. With top level science-for-policy experts the estimates of LULUCF greenhouse gas fluxes are continuously improved, in order to gain trust in the LULUCF inventories and their trends.

We offer:

a job in a dynamic and multidisciplinary work environment that is active at the interface between science and policy and represents a unique opportunity of high-level scientific and policy impact. The team is physically present in Ispra and meeting on a regular basis to ensure consistency of the multidisciplinary analyses, while the job can be carried out in a flexible way, including up to 2-3 days teleworking for the desktop work and online meetings. Occasional travel to our stakeholders (ranging from climate policy officers to GHG experts) is envisaged.



WE PROPOSE

We offer a position as researcher, with the duties of contributing to the work programme of the Unit related to the activities on forests and LULUCF (Land Use, Land-Use Change and Forestry), mainly in EU but also globally. In collaboration with in-house and external specialists, the successful candidate will:

- Support modelling of near-real-time carbon fluxes from forests, by combining existing forest growth models (e.g., the Carbon Budget Model) with Earth observation or hydrometeorological data;
- Contribute to assessing gaps and opportunities for the LULUCF sector to contribute reaching the EU climate targets, through sectoral and integrated modelling scenarios and analyses of national policies;
- Support improving the monitoring and reporting of land-related greenhouse gas fluxes in EU's Member States, with the aim to increase confidence in the estimates of EU LULUCF budgets and trends;
- Contribute to assessing the carbon sinks at global level in support of the Global Stocktake as foreseen by the Paris Agreement.
- Synthesise data, information and knowledge on specific topics in the form of scientific publications in peer-reviewed journals, international conferences, web content, briefs and reports to inform policy makers;

Follow-up ad-hoc requests for data, information and advice for partner DGs, other European institutions, Member States and other stakeholders in collaboration with in-house and external experts.

WE LOOK FOR

Qualifications:

The successful candidate will have:

- A PhD or at least 5 years of experience in environmental/natural science, forestry, other related topics
- Excellent knowledge of oral and written English (B2)
- A strong publication record
- Experience with modelling/analysis of forest and/or carbon fluxes

The ideal candidate would have:

- Professional experience in nature-based solutions for carbon removal
- Professional experience in science to policy interface, with a focus on the EU
- Experience with Earth observation data and tools;
- Experience with IPCC estimation methods for LULUCF
- Experience with UNFCCC reporting principles for GHG inventories
- Knowledge of a programming language (Python, R, etc) and version control tools (e.g. git)
- A spirit of initiative
- Strong analytical and problem-solving skills
- Ability to prioritise and organise her/his daily tasks
- A sense of responsibility and service culture



The abilities to collaborate with others within a multidisciplinary and multicultural research environment and with external contractors, and to handle high workload when necessary and deliver under pressure are essential.

HOW TO APPLY

If you are **already on a valid CAST FG IV reserve list**, or you **have already applied to one of the calls below**, you can directly submit your application at <http://recruitment.jrc.ec.europa.eu/?type=AX>.

If not, before applying to this position, **you must register** for one of the two following:

- the [Call for Expressions of Interest | EU Careers \(europa.eu\)](#) (CAST Permanent FG IV), which is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), or
- the [specialised call for researchers](#) (JRC Call COM/1/2015/GFIV – Research), which is mainly used by the JRC.

Note that each of the calls above has **different minimum eligibility requirements and different selection tests**.

The JRC cultivates a workplace based on respect for other people and the environment, and embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.