



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-D1-FGIV-020570

FG IV - Scientific Project officer in the field of tracking land use carbon fluxes at EU and global level

POSITION FOR:

Member of the contract staff FGIV – art. 3b of the Conditions of Employment of Other Servants
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1962R0031:20110101:EN:PDF>

WE ARE:

As the science and knowledge service of the Commission, the mission of DG Joint Research Centre (JRC) 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: <https://ec.europa.eu/jrc/>

The vacancy is within the Bio-Economy Unit (located in Ispra, Italy), which provides scientific support to EU policies related to the bio-economy and forest-related policies, of high relevance for climate actions, in particular on climate change mitigation related to Land Use, Land Use-Change and Forestry (LULUCF).

WE PROPOSE:

We propose a stimulating position for a dynamic researcher in the field land-based carbon mitigation and sustainable carbon cycles at EU and global scale.

With the focus of climate policy shifting from pledges under the Paris Agreement to implementation at country level, there is an increasing interest in tracking progress on climate change mitigation with nationally reported inventory statistics as well as regional geospatial data. Despite a growing attention on the role of land-based solutions, high uncertainties still exist on carbon fluxes from LULUCF, making tracking of progresses difficult.

Addressing these uncertainties, including reconciling the large differences between estimates by national GHG inventories and by global models used by IPCC, requires a better identification of the magnitude and location of the current terrestrial CO₂ fluxes. A greater confidence on LULUCF numbers is a prerequisite for an effective role of land use in meeting climate neutrality at the EU and global level.

Building on previous work by the JRC, the envisaged technical work will include:

- Analysis of the different estimates of LULUCF CO₂ fluxes for all world countries and in support of the Global Stocktake process (i.e. countries submissions to UNFCCC, estimates collected by the IPCC, other scientific sources including those based on remote sensing) and reconciliation / explanation of the differences;
- Use the information collected above to track countries' progress towards meeting climate pledges and to evaluate options to optimize the LULUCF carbon sink;
- Identify the main challenges in using LULUCF mitigation towards reaching climate neutrality at EU and global level and the need to strengthen the mitigation measures;
- Produce scientific publications on the topics above.

The expected work is robustly rooted in science and highly policy-relevant.

WE LOOK FOR:

The candidate should have a PhD in forestry, agriculture, environmental science, or related field (or a University degree and 5 years of experience after the university degree giving access to doctoral studies) and strong motivation to work in the interface between science and policy.

The candidate should have a committed, well-organized and dynamic personality, open to explore new

fields and work in a team.

A strong research experience on modelling and/or analysing terrestrial carbon fluxes is required. Knowledge of IPCC methods for estimating LULUCF GHG emissions and removals, of the EU LULUCF legislation and of the Paris Agreement is essential.

Excellent writing and presentation skills, with good knowledge of spoken and written English are required.

Relevant publications are seen as essential and should be highlighted.

Specific software programming skills should also be mentioned in the application.

INDICATIVE CONTRACT'S DURATION:

36 months initial contract with possible renewals up to maximum 6 years.

PLACE OF WORK:

Ispira (IT)

ELIGIBILITY CRITERIA:

Candidates for this contract agent post shall:

– (i) have passed a valid EPSO CAST selection procedure;

or

– (ii) be registered in the EPSO Permanent CAST https://epso.europa.eu/documents/2240_en

or

- (iii) be registered in the specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers> (used mainly by the JRC).

With a valid application number to one of the above, you may then apply for this specific vacancy at JRC through: <http://recruitment.jrc.ec.europa.eu/?type=AX>.

RECRUITMENT POLICY:

The Joint Research Centre

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