



MAKE A DIFFERENCE – JOIN THE EUROPEAN COMMISSION

Do you want to help shape the future of the European Union? Make the planet greener, promote a fairer society, or support businesses and innovation across the EU? Then come and work for the European Commission where you can really make a difference!

Commission staff are a diverse group of people, who are motivated to help make Europe – and the world – a better place. They come from the 27 Member States of the European Union. Different nationalities, backgrounds, languages and cultures make the Commission a vibrant and inclusive place to work.

WE OFFER ATTRACTIVE WORKING CONDITIONS AND MUCH MORE:

- Interesting and challenging positions with plenty of opportunities for training and acquiring new skills and competencies throughout your whole career
- Opportunities to try several areas of move between different policy your career
- A package of flexible working conditions including the possibility of teleworking – we care about your work-life balance
- A competitive financial package, including comprehensive healthcare, accident and pension schemes
- A multilingual, multicultural workplace where personal and career development are strongly promoted
- Multilingual schools for your children

We recruit from a wide range of backgrounds and actively promote diversity and inclusion:

We do not only recruit political scientists and lawyers but are also looking for all kinds of profiles, including scientists, linguists, IT experts, data analysts and economists, as well as drivers and engineers.



We are committed to equal opportunities and to fostering a rich, diverse and inclusive working environment. We aim for our workforce to be representative of European society and strongly welcome applications from all qualified candidates. We actively seek to create a workplace where each staff member feels valued and respected, can give their best and can develop to their full potential.

To promote diversity and establish a geographically balanced pool of candidates, we strongly encourage applicants from Member States which are currently underrepresented in the European Commission workforce to apply. These Member States are currently Austria, Cyprus, the Czech Republic, Denmark, the Netherlands, Estonia, Finland, Germany, Ireland, Luxembourg, Malta, Poland, Portugal, Slovakia and Sweden¹. Recruitment will however remain strictly based on the merits of all applicants and no positions will be reserved for nationals of any specific Member State.

For more information ec.europa.eu/work-with-us

STAFF RECRUITED ON CONTRACTS

In addition to permanent officials, the European Commission offers non-permanent positions. There are two categories of non-permanent staff:

- **[temporary agents](#)** are recruited to fill vacant positions for a set amount of time or to perform highly specialised tasks.
- **[contract agents](#)** may provide additional capacity in specialised fields where an insufficient number of officials is available or carry out a number of administrative or manual tasks. They are generally recruited for fixed-term contracts (maximum 6 years in any EU Institution), but in some cases they can be offered contracts for an indefinite duration (in offices, agencies, delegations or representations).

For more information on different [staff categories](#)

¹Please note that the list of underrepresented Member States may be subject to future amendment based on potential data changes over time.



Information Systems Developer

DG JRC of the European Commission

Selection reference: JRC/COM/2025/658

Domain*: Science and Research

Where: Unit JRC.C.5 - Clean Air and Climate, Ispra

Staff category and Function Group: Temporary agent 2d – IT Assistant

Grade: AST 1- 4

Publication deadline: 02.05.2025 - 12.00 (Brussels time)

WE ARE

As the science and knowledge service of the European Commission, the Joint Research Centre provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society. We provide anticipatory capacity, solid expertise and ability to propose and implement interdisciplinary research. The activities are carried out in collaboration with relevant Commission Services, national and international organizations and stakeholders. At the JRC we organise our work in portfolios which are the main building blocks of our multi-annual work programmes.

The current vacancy is in the Directorate for Energy, Mobility and Climate. Its mission is to provide support to EU policies and technology innovation related to:

- * Energy – to ensure sustainable, safe, secure and efficient energy production, distribution and use
- * Mobility – to foster sustainable and efficient mobility in Europe
- * Climate – to provide scientific and technical analyses in support to integrated air quality, climate and related policies

Specifically, the vacancy is within the Clean Air and Climate Unit (JRC.C.5), which has the mission to provide scientific and technical analyses in support of integrated air quality, climate and related policies. It is committed to the evaluation of emissions of greenhouse gases and air pollutants, to measuring and modelling atmospheric components of relevance for human health, ecosystems and climate and to the harmonisation of monitoring and modelling techniques.

The post is located in Ispra, Italy. More details can be found at: <https://ec.europa.eu/jrc/en>

WE PROPOSE

We propose a challenging position for a highly motivated IT expert to reinforce the JRC support to the EU Green Deal priorities, in particular supporting European and international climate change policies by providing independent estimates of greenhouse gas (GHG) emissions at the European and global scales with its Emissions Database for Global Atmospheric Research (EDGAR) (<http://edgar.jrc.ec.europa.eu>).

In this context we are looking for a skilled candidate to support the development, maintenance and



data production of EDGAR. The jobholder will join a team of experts in anthropogenic emissions of GHG and air pollutants. Duties will include:

- Provide support to the EDGAR global emission inventory data preparation and computation.
- Develop a database infrastructure to host a high-spatial resolution emission inventory for greenhouse gases and air pollutants.
- Develop high-spatial resolution proxies at European and global level to downscale national emissions for all emitting sectors.
- Develop and apply a consistent methodology for greenhouse gas and air pollutant emission estimation for global urban areas and sub-national level.
- Ensure data quality control, data integrity, database optimisation

WE LOOK FOR

We are looking for a candidate with a strong technical background in maintenance and development of statistical inventories for GHG and air pollutant emissions, and with excellent capacity for teamwork.

The following skills and experience are essential:

- Sound knowledge of Microsoft SQL database Server, T-SQL, PHP, PHP Codeigniter, MySQL;
- Sound knowledge of the programming language Python applied to spatial data and data visualisation;
- Experience in integrating high spatial resolution data from a variety of different systems to database format, with increasing volumes of data and ensuring optimal performance;
- Experience in developing up to date greenhouse gas emission inventories at global, national, sub-national and urban level;
- A team-oriented approach to work;
- A good (B2) written and spoken knowledge of English, as well as sound knowledge of another official EU language.

The following skills and experience are an advantage:

- Good understanding of air quality, climate change and environmental issues;
- Experience in developing the EDGAR database;
- Experience in the processing and analysis of data, preferably in the area of emissions, air quality and climate change;
- Knowledge of Geographical Information Systems software (ArcGIS, ArcMap, QGIS, etc.);
- Knowledge of R or other relevant programming language.



HOW TO EXPRESS YOUR INTEREST?

You should send your documents in a single pdf in the following order:

1. your CV 2. completed application form.

Please send these documents by the publication deadline to HR-JRC-OFFICIALS-TEMPORARY-AGENTS-SELECTION@ec.europa.eu indicating the selection reference JRC/COM/2025/658 in the subject.

No applications will be accepted after the publication deadline.



ANNEX

1. Selection

➤ Am I eligible to apply?

You must meet the following eligibility criteria when you validate your application:

Our rules provide that you can only be recruited as a temporary agent at the European Commission if you:

General criteria:

- Are a citizen of a Member State of the EU and enjoy full rights as a citizen;
- Have fulfilled any obligations imposed by applicable laws concerning military service;
- Are physically fit to perform the duties linked to the post;
- Produce the appropriate character references as to suitability for the performance of the duties.

Qualifications:

In order to be recruited for this position, you must have at least either a level of post-secondary education attested by a diploma, or a level of secondary education attested by a diploma giving access to post-secondary education, and appropriate professional experience of at least three years.

Only qualifications issued or recognised as equivalent by EU Member State authorities (e.g. by the Ministry of Education) will be accepted. Furthermore, before recruitment, you will be required to provide the documents that corroborate the eligibility criteria (diplomas, certificates and other supporting documents).

Languages:

- have a thorough knowledge (minimum level C1) of one of the 24 official languages of the EU²
- AND a satisfactory knowledge (minimum level B2) of a second official language of the EU, to the extent necessary for the performance of the duties.

² The official languages of the European Union are: BG (Bulgarian), CS (Czech), DA (Danish), DE (German), EL (Greek), EN (English), ES (Spanish), ET (Estonian), FI (Finnish), FR (French), GA (Irish), HR (Croatian), HU (Hungarian), IT (Italian), LT (Lithuanian), LV (Latvian), MT (Maltese), NL (Dutch), PL (Polish), PT (Portuguese), RO (Romanian), SK (Slovak), SL (Slovenian), SV (Swedish).



➤ **What about the selection steps?**

The post was published internally within the Commission, inter-institutionally, and brought to the attention of competition laureates.

In accordance with Article 29 of the Staff Regulations, applications from Commission officials, officials from other Institutions, and laureates of competitions have priority³. If these candidates do not best fit the requirements for the position, the Commission can recruit a temporary agent.

A selection panel will choose a limited number of candidates for interview, based on the CV and application form that they submitted. Due to the large volume of applications, we may receive, **only candidates selected for the next step of the selection phase will be notified.**

For operational reasons and in order to complete the selection procedure as quickly as possible in the interest of the candidates and of the institution, the selection procedure will be carried out in English and possibly in a second official language.

2. Recruitment

The candidate selected for recruitment will be requested to supply documentary evidence in support of the statements made in their application.

The successful candidate will be required to undergo a mandatory pre-recruitment medical check-up, carried out by the Commission.

➤ **Type of contract and working conditions**

The place of employment will be **Ispira**.

In case the successful candidate is not an official or a competition laureate, they will be recruited as a **temporary agent under Article 2(b)/2(d) of the [Conditions of Employment of Other Servants](#), in function group AST.**

➤ **Grade**

The recruitment grade, as well as the step in that grade, will be determined in accordance with [Commission Decision C\(2013\)9049](#) on policies for the engagement and use of temporary agents

³ Officials from the Commission or other Institutions are invited to use the standard channels (Sysper or inter-institutional vacancy portal).



and with [Commission Decision C\(2013\)8970](#) laying down the criteria applicable to classification in step on engagement.

The recruitment grade will be that of similar competitions in the field that have been recently published or already planned. Otherwise, recruitment will be at the level of AST1, AST2 or AST3. The recruitment grade will be that of similar competitions in the field published or already planned. The maximum recruitment grade is AST4, which may be granted under very exceptional circumstances, based on the assessment of the needs of the service, notably the nature of the profile sought, the level of responsibility to be exercised, or the labour market conditions for the profile in question, and the duration of the candidates' previous appropriate professional experience.

The duration of the **1st contract will be of 1 to 3 years**. The contract might then be extended only once for a maximum of 2 years and in the interest of service. The duration of the extension will be defined according to the General Implementation Rules in force at that moment, in accordance with [Commission Decision C\(2013\)9049](#) on policies for the engagement and use of temporary agents.

All new staff have to successfully complete a 9-month probationary period.

The pay of staff members consists of a basic salary supplemented with specific allowances, including, where applicable, expatriation and family allowances. The provisions guiding the calculation of these allowances can be consulted in the Conditions of Employment of Other Servants. As a member of staff of the European institutions, your pay is subject to a tax raised by those institutions.

The European Commission applies a policy of equal opportunities and non-discrimination in accordance with Article 1d of the Staff Regulations.

Should you need further information on working conditions, please refer to [Working conditions and benefits of EU Careers](#).

For information related to Data Protection, please see the [Specific Privacy Statement](#) under "7. Information to data subjects on their rights", to find your rights and how to exercise them in addition to the privacy statement, which summarises the processing of your data.