



VACANCY NOTICE – 2023-IPR-T1-FGIV-022818

Scientific Project Officer – Technologies for data ecosystems

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	Data intensive technologies
Place of employment	Ispra (IT)
Indicative basic salary	3,877.47 € - 5,616.29 € (applicable as of 1st of July 2022) For more detailed information please consult: Working conditions

WE ARE

The [Joint Research Centre \(JRC\)](#) is the science and knowledge service of the European Commission: our mission is to support EU policies with independent evidence throughout the whole policy cycle.

The current vacancy is in the **Digital Economy Unit** of the **Directorate for Digital Transformation and Data**. The unit studies the current and emerging facets of digital transformation, and its impacts on the European economy, society and environment, in support of EU digital policies. In particular, the unit provides techno-socio-economic research on the **impacts and strategic role of digital technologies, data and digital platforms for the economy and society**, as well as on digital skills and digital education, and the modernisation of the public sector.

The “Europe fit for the Digital Age” priority of the new European Commission, defines an agenda that is strongly reliant on **data-driven innovation**. Within that broader context, the **European Strategy for Data** envisages the establishment of a **single market for data** where different actors (e.g. businesses, citizens, public sector, and academia) will share and reuse their data in accordance with their specific needs and incentives. Many technical, organisational and legal issues should be addressed, to ensure the success of the Strategy with its high level of ambition and potential value added for Europe's economy and society.

From a technological perspective, the sharing and utilisation of data on a pan-European scale will only be possible if multiple **enablers** (e.g. novel **technical building blocks**, well-established **standards**, and scalable data **infrastructures**) are harnessed together. Situated at the intersection of science and policy, the position will be part of a team of researchers supporting the implementation of policies supporting the establishment of the envisaged pan-European single market for data. The team is identifying, documenting and investigating the development of prominent technological enablers that can **facilitate the sharing and reuse of data in the EU** in accordance with **societal values** and existing legal frameworks. The work aims at improving the uptake of novel technologies to make it easier for citizens



and businesses to make use of heterogeneous data for the implementation of data-intensive applications and to contribute to the utilisation of data at scale.

We offer:

- a job in a **dynamic, multidisciplinary environment**, with important societal impact in Europe and beyond;
- a unique opportunity to carry out **impactful research in the framework of the European strategy for data** to help pursue a human-centric, sustainable vision for digital society defending and promoting European values and rights;
- a **family-friendly working environment**, with online collaboration and occasional travel for conferences/workshops and cooperative work with colleagues in Brussels or other JRC sites (especially Ispra, Italy).

WE PROPOSE

We are looking for a highly motivated, service-oriented, and independent scientist with a strong technical background. The candidate will act as bridge between science and policy and should therefore be able to relate research findings to the political priorities on data-related matters.

The jobholder will:

- Analyse and document emerging data-intensive technologies and building blocks for data sharing and use (such as industrial IoT, metaverse/cityverse, digital twins, no-code/low code AI).
- Contribute to the development and use of a testing framework for the evaluation of emerging data-intensive technologies, like the ones listed above.
- Study the concrete approaches (e.g. architectural patterns, data flows) and implications from the uptake of those technologies for innovation and Europe's sovereignty.
- Set up dedicated sandboxes and experimentally evaluate those technologies in a scientifically sound manner.
- Nurture a network of international researchers and research centres, including by drafting scientific publications and reports for a variety of audiences (experts/scientists, policy makers, the general public).
- Draft succinct policy briefs translating the analytical results into policy recommendations.
- Contribute to briefings and deliver input on short-term requests from key partners (under the supervision of responsible team leader).
- Support the scoping, evaluation and coordination of procurement procedures and consecutive contract management
- Work in close collaboration with a wide range of partners, including policy experts in the European Commission, including DG CONNECT, DG ENV, DG RTD, scientific peers, and various stakeholders in EU Member States.

WE LOOK FOR

We are looking for a **researcher** with a strong background in **analysing ways to improve the availability of data for the economy and society, in line with European aims and values**. Highly motivated outstanding candidates with a keen interest in supporting EU digital policies should have the **following experience/skills (essential)**:

- Postgraduate degree in computer science or equivalent;



- At least three years' experience in the field of data and technology such as cloud platforms, APIs, Artificial Intelligence, IoT;
- Very good (C1) command of English language.

Any of the following skills and experience would be **desirable**:

- Experience in project management;
- Relevant ICT skills such as data extraction, data fusion and interoperability, APIs, data analysis, incl. Machine learning and Artificial Intelligence;
- Experience in stakeholder engagement;
- Experience in academic writing and communicating to scientific, policy, and business audiences, as well as to citizens;
- Track-record of academic publications in impact factor journals in fields relevant to the position;
- Experience in procurement planning, evaluation and coordination;
- Familiarity with EU digital/technology policies and legal initiatives.

HOW TO APPLY

If you are **already on a valid CAST FGIV 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 calls:

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

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.