



## VACANCY NOTICE – 2023-SVQ-B2-FGIV-022736

### Economic Analysts - General equilibrium modellers

<b>Type of contract</b>	Member of the European Commission's contract staff, Function Group IV (article 3b of the <a href="#">Conditions of Employment of Other Servants</a> )
<b>Duration of contract</b>	36 months (renewable up to maximum 6 years)
<b>Area</b>	SCIENCE and RESEARCH: ECONOMIC ANALYSIS
<b>Place of employment</b>	Seville (ES)
<b>Indicative basic salary</b>	3877,47 - 5616,29 € (applicable as of 1 <sup>st</sup> of July 2022) For more detailed information please consult: <a href="#">Working Conditions</a>

#### **WE ARE**

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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 **Fiscal Policy Analysis Unit** of **Directorate B for Fair and Sustainable Economy**.

The mission of Directorate B is to provide first-class analysis and data to support the EU's aim for today's and tomorrow's Europeans to enjoy fair and sustainable prosperity. It takes a systemic view of the relationships between economic activities, the environmental impacts of human activities and the societal needs of the EU's citizens. Directorate B develops and carries out macroeconomic analysis and supports policy making with its unique analytical and modelling tools. It boosts EU innovation-driven competitiveness in the global context, turning territorial diversity and urban-rural interactions into value. It drives European markets, industry and services, including construction and the built environment, towards environmental sustainability.

The Fiscal Policy Analysis Unit provides modelling support and research in the area of taxation and social benefits. Its aim is to contribute to evidence-based fiscal policies that enable the attainment of the social, economic and environmental objectives of the EU. To fulfil its mission, the Unit maintains, updates and develops state-of-the-art tools for the analyses of fiscal policies of the EU and its Member States, and, using those analytical tools, provides evidence for policy making in the area of taxation and social protection in the EU, in alignment with the European Commission priorities. Further information about the unit's activities can be found via this link: <https://ec.europa.eu/jrc/en/research-topic/fiscal-policy-analysis>.

The main purpose of this job is to carry out economic modelling and research to support initiatives and policy debates in the area of fiscal policy, demographic change and pension reforms in the EU.



The work involves a mix of modelling work, analysis and policy-oriented research, providing a unique opportunity to support EU policies. The job environment is dynamic and multicultural, with highly-qualified teams of experienced economic modellers and analysts in several areas of tax and social policies and developing/using different tools for the analysis of fiscal policies (including microsimulation and general equilibrium models). The work enables collaborations with various stakeholders (e.g. policy Directorates General of the European Commission, Member States, academics, external experts) and requires occasional travel.

## **WE PROPOSE**

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Two positions of Economic analysts/General equilibrium modellers to work on the development of a quantitative overlapping generations model with strong micro-foundations. The jobholders will also provide modelling support to key policy questions related to pension reforms in the EU, fiscal policy, demographic change and inequalities.

In particular, the jobholders will:

- contribute to the development of analytical tools for economic analysis, mainly in the area of quantitative macroeconomics, using general equilibrium models accounting for household heterogeneity.
- use databases and modelling tools for quantitative analysis of policy-relevant issues in the context of pension reforms, fiscal policy and demographic changes, and with the purpose of supporting policy debates in the EU
- draft reports and publications in collaboration with colleagues and external experts
- prepare policy briefs and presentations to summarise the conclusions for non-technical audiences
- develop new lines of work, notably, but not only, in relation to the links between fiscal policy, pension reforms, household inequality, and demographic change
- support the JRC in discussions with other services, as well as at seminars, conferences and vis-à-vis stakeholders like academics or other international institutions

## **WE LOOK FOR**

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We are looking for two Economic Analysts / General Equilibrium Modellers.

Candidates should have a PhD (doctoral diploma) in economics or, alternatively, a minimum of 5 years of relevant professional experience after university studies of at least 3 years (attested by a diploma).

In particular, the candidates should have an academic/professional background in macroeconomics, with a strong foundation in quantitative methods. The successful candidates will be expected to have experience in developing and solving quantitative macroeconomic models with heterogeneous agents and using state-of-the-art numerical techniques.

A solid background in the analysis of microdata to calibrate and discipline quantitative macroeconomic models is an additional asset. Specific experience in pension analysis using overlapping generations, demographic and distributional aspects is welcome, as well as a track record of research and publications.



Additional assets of the sought candidates:

- Excellent knowledge and experience in programming languages for numerical analysis (e.g. Python or similar)
- Experience in working with survey and other microeconomic data.
- Ability to formulate clear policy conclusions based on solid analytical work and proven ability to draft.
- Good interpersonal skills and ability to collaborate effectively with teams and integrate ideas from diverse sources.

As English is the main working language, the candidates should have a very good level (C1 level) and be able to speak, read and write in this language.

## **HOW TO APPLY**

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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 FGIV), 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.*