

**2021-IPR-I2-FGIV-019533****FG IV - Project Officer - Scientific – Sensitivity analysis and quantitative evidence in policy making****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 European Commission's science and knowledge service, the Joint Research Centre (JRC, <https://ec.europa.eu/jrc/>) supports EU policies with independent scientific evidence throughout the whole policy cycle. We create, manage and make sense of knowledge and develop innovative tools and make them available to policy makers. The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain).

The vacancy is in Ispra, Italy, in the European Commission's Competence Centre on Modelling (<https://ec.europa.eu/jrc/en/modelling>). This Competence Centre promotes high standards and best practices for the quality, transparency, and coherence of simulation models used for EU policies, and supports modelling teams across the Commission. The Competence Centre on Modelling is hosted by the unit for "Foresight, Modelling, Behavioural Insights & Design for Policy". Its mission is to strengthen the capacity of JRC in anticipatory intelligence (horizon scanning, anticipation, foresight), modelling, behavioural sciences and design for policy. The Unit is multidisciplinary in nature, and teamwork is a fundamental ingredient. The Unit also hosts the EU Policy Lab.

**WE PROPOSE:**

With the position in the Competence Centre on Modelling, we offer a unique environment where you will work together with scientists and policy-makers to deliver tangible improvements to the quality of the scientific evidence used in EU policy files.

The successful candidate will apply her/his mathematical knowledge in the field of Global Sensitivity Analysis (in particular with regard to variance-based methods) and contribute to an improved quality of quantification in EU policy making by using mathematical and computer modelling and the development and use of quantitative frameworks for public policy analysis. In addition, he or she will conduct scientific research on modelling techniques and on mathematical and computer modelling in EU policy making.

**WE LOOK FOR:**

We are looking for a dynamic and motivated team player to join the team. Candidates will have a PhD, or a university degree with at least five years of experience, in the area of uncertainty/sensitivity analysis, statistical and mathematical modelling, statistical methods, computational modelling, or in a related field. A very good knowledge of spoken and written English (C1) is essential. The knowledge of other EU languages is an asset. Very good communication and team working skills are required.

Candidates should preferably have the following qualifications:

- Experience in numerical experiments in the uncertainty/sensitivity analysis field;
- Experience in the use of advanced Monte Carlo sampling techniques;
- Experience with mathematical and computer modelling;
- Very good knowledge of and experience with statistical tools and programming languages such as Matlab, R, Python...

Experience with the application of optimization and decision algorithms is an asset. General familiarity with quantification of policies at either national or EU level is also an asset. Relevant publications or a good publication record in peer-reviewed journals should be highlighted.

**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](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 JRC

- 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.