



2018-IPR-I1-FGIV-010030

**FG IV – Policy Officer - Mathematical and  
computer modeller**

<p><b>Position for:</b></p> <p><b>FG IV – Policy Officer</b></p>	<p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <a href="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</a></p> <p>The vacancy is in the Unit on Modelling, Indicators and Impact Evaluation of the Directorate for Competences.</p> <p>The mission of the Unit is to contribute to better EU regulation and spending by developing research and applying state of the art tools for impact assessment, monitoring and counterfactual evaluation. The unit's research and analytical activities cover modelling, applied statistics, econometrics and sensitivity auditing and their application across the full range of EU's policy areas, including competitiveness, employment, innovation, the internal market, judiciary, health, poverty, migration, cohesion, and other social dimensions.</p> <p>The vacancy is in the European Commission's <b>Competence Centre on Modelling</b>, which promotes a transparent, coherent and responsible use of modelling to underpin the evidence base for EU policies. The Competence Centre is uniquely placed. Collaborating with over 20 Directorates of the European Commission, it currently covers four strands of activities: the Commission's modelling inventory and knowledge management system; baseline scenarios for integrated policy assessment; model quality and sensitivity analysis; and social multi-criteria evaluation.</p> <p>The principal duties of our new colleague will be to contribute to an improved quality of quantification in EU policy making using mathematical and computer modelling. The successful candidate will conduct scientific research on modelling techniques and on mathematical and computer modelling in EU policy making, and to contribute to the development and use of quantitative frameworks for public policy analysis.</p> <p>Research topics include, but are not limited to, new methodologies of global sensitivity analysis; decision theory; implementation of advanced mathematical routines in common statistical programming languages; and emulators and other meta-modelling techniques. The new team member will carry out numerical experiments on benchmark case studies, and develop and apply optimization and decision algorithms in the framework of EC impact assessments.</p> <p>He/she is expected to co-author science for policy briefs and/or peer-reviewed scientific articles according to EC rules.</p>
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	<p>Qualifications:</p> <p>We are looking for a dynamic and motivated team player. The ideal candidate should have a PhD or a university degree and at least five years of experience in the area of statistical and mathematical modelling, statistical methods, computational modelling, or in a related field.</p> <p>Experience with mathematical and computer modelling is required. Excellent knowledge of and experience with statistical tools and programming languages such as Matlab, R or Fortran is also required. Experience with the application of optimization and decision algorithms is an asset. General familiarity with quantification of policies either at national or EU level is also an asset. Relevant publications and presentations should be highlighted.</p> <p>Good communication and negotiation skills are an asset.</p> <p>Good knowledge of spoken and written English is required. The knowledge of other EU languages is an asset.</p>
<p><b>Directorate Unit</b></p>	<p>Competences Modelling, Indicators and Impact Evaluation</p> <p>Further information: <a href="https://ec.europa.eu/jrc/en/modelling">https://ec.europa.eu/jrc/en/modelling</a></p>
<p><b>Indicative duration</b></p>	<p>36 months initial contract with possible renewals up to maximum 6 years</p>
<p><b>JRC Site</b> <b>Country</b></p>	<p>Ispra Italy</p>
<p><b>Rules and eligibility</b></p>	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>Applicants to the following Calls for expression of interest can also be considered:</p> <ol style="list-style-type: none"> <li>1. CAST Permanent - EPSO has launched in January 2017 an open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. Details available at the link below: <a href="https://epso.europa.eu/documents/2240_en">https://epso.europa.eu/documents/2240_en</a></li> <li>2. Call COM/1/2015/GFIV – Research - The JRC has launched in January 2015 a permanent call for researchers FG IV. Details available at the link below: <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers">https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</a></li> </ol> <p><b>Auxiliary contract staff:</b> <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</a></p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>