



**2019-IPR-D2-FGIV-012990**

**FG IV – Project officer – Scientific Research -  
Water resources modeller**

<p><b>Position for:</b>  <b>FGIV- Project 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>Within the JRC Sustainable Resource Directorate, the Water and Marine Resources Unit is working on modelling the Water-Food-Energy-Ecosystem Nexus, including the impacts of climate change on the Nexus and possible solutions. Within that research, the Unit is developing, testing and running the hydrological modelling system LISFLOOD coupled with the EPIC agronomy model and the LISENGY energy module for Europe, Africa and Global applications.</p> <p>The foreseen work is to carry out simulations with the modelling system to assess the effects of climate, land use and socio-economic changes on water resources in Europe, Africa and at global scale. Furthermore, work is foreseen on calibrating updates of the model and model verification, and where possible suggest enhancements of the model.</p> <p>A substantial part of the work deals with post-processing the model's results, statistical analysis of the results, and pre-processing new data as input for new runs.</p> <p>Qualifications:</p> <p>The ideal candidate has:</p> <ul style="list-style-type: none"> <li>• A PhD (doctoral diploma) in the field of hydrology or a closely related field or a university degree and 5 years of research experience after the university giving access to doctoral studies;</li> <li>• Experience in the field of large scale water resources modelling;</li> <li>• Experience with processing large spatial datasets in NetCDF, and with basic programming in Python;</li> <li>• Knowledge on gridded spatial data processing with GIS or Remote Sensing software.</li> </ul> <p>Good knowledge of spoken and written English (B2 minimum) is required.</p>
<p><b>Directorate Unit</b></p>	<p>Sustainable Resources Water and Marine Resources</p> <p>Further information: <a href="http://ec.europa.eu/jrc/">http://ec.europa.eu/jrc/</a></p>

<b>Indicative duration</b>	36 months initial contract with possible renewals up to maximum 6 years
<b>JRC Site</b> <b>Country</b>	Ispira  Italy
<b>Rules and eligibility</b>	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IIV contract staff, you can still apply by following these steps.</p> <p>You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: 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.  <a href="https://epso.europa.eu/documents/2240_en">https://epso.europa.eu/documents/2240_en</a></p> <p>2. JRC Call COM/1/2015/GFIV – Research: open-ended selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. 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></p> <p>Only then you can apply for this specific position, through <a href="http://recruitment.jrc.ec.europa.eu/?type=AX">http://recruitment.jrc.ec.europa.eu/?type=AX</a></p> <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>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.</p> <p><i>Please note that in case a high number of applications is received only shortlisted candidates will be contacted.</i></p>