



2020-IPR-D2-FGIV-015358

**FG IV - PROJECT OFFICER – SCIENTIFIC
RESEARCH – WATER RESOURCES
MODELLER**

<p>Position for:</p> <p>FGIV – Project Officer Scientific Research</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: https://ec.europa.eu/jrc/</p> <p>Within the JRC Sustainable Resources Directorate, the Water and Marine Resources Unit is working on modelling the Water-Energy-Food-Ecosystem Nexus, including the impacts of climate change on the Nexus and the impact of measures to resolve pressures of water. Both floods and water scarcity are also addressed, in collaboration with other groups in the JRC.</p> <p>Within that research, the Unit is developing, testing and running the hydrological modelling system LISFLOOD coupled with the EPIC agronomy model for Europe, Africa and Global applications.</p> <p>The foreseen work is to carry out further development and application of the modelling system, specifically:</p> <ul style="list-style-type: none">• Contribute to the development of the water resources model for Europe and Africa for the assessment of the impact of (EU) water policies, climate change and socio-economic changes• Contribute to the evaluation of cost-benefits of allocation of water across different economic sectors, impacts of planned measures within the Water Framework Directive and related Directives, and address the Water Nexus by carrying out scenario analyses of a water-stressed Europe and Africa• Contribute to the maintenance of the hydrological LISFLOOD model, which is at the core of the flood and drought prediction systems in support to the Emergency Management Service and the Mechanism for European Civil Protection (EFAS, EDO and GloFas). <p>Qualifications:</p> <p>The ideal candidate has:</p> <ul style="list-style-type: none">• 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;• Experience in the field of large scale water resources modelling• Advanced knowledge of Python programming• Experience in processing large spatial datasets in NetCDF.
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	Good knowledge of spoken and written English (B2 minimum) is required.
Directorate Unit	Sustainable Resources Water and Marine Resources Further information: https://water.jrc.ec.europa.eu/
Indicative duration	36 months initial contract with possible renewals up to maximum 6 years
JRC Site Country	Ispra Italy
Rules and eligibility	<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 IV 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. https://epso.europa.eu/documents/2240_en</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: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</p> <p>Only then you can apply for this specific position, through http://recruitment.jrc.ec.europa.eu/?type=AX</p> <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</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>