



2017-IPR-D2-FGIV-9144

FG IV - Project officer - Water-Energy-Food-Ecosystem Nexus

<p>Position for: FG IV Project officer</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>The Water and Marine Resources Unit provides scientific and technical support to Commission services. In particular, its mission is to carry out scientific assessments addressing societal and economic challenges deriving from the evolving vulnerability of the European and global water environment. It contributes innovative solutions to sustainably manage water resources in the face of increasing trends of global population, urbanization, pollution, over-exploitation, land use and climate change and ensures that they are adequately linked to policy development and implementation.</p> <p>In the context of the Water-Energy-Food-Ecosystem Nexus project, the candidate will develop conceptual and mathematical models to be applied for the analysis of:</p> <ul style="list-style-type: none"> i) the energy needs from the water sector (including pumping, transport, distribution, collection, treatment, and desalinisation services), ii) the energy storage potential of the water infrastructure system (water supply and distribution networks), iii) the potential of water treatment infrastructure (raw water and waste water treatment plants) to integrate non-dispatchable renewable energy production to improve the flexibility for the European power system, iv) the decarbonisation of the urban water cycle in Europe. <p>Her/his duties will include retrieving and harmonizing data from European level reports (from the EEA, DG EUROSTAT etc., including data reported to the Commission compliant with legislation in place) as well as from national data sources. She/he will conduct statistical analyses to test the completeness and consistency of the collected data, and to produce estimates when gaps need to be filled.</p> <p>Qualifications:</p> <p>She/he ideally holds a PhD (or an equivalent working experience) in water engineering, water resources management or related fields; she/he is familiar with the main concepts of engineering of the water cycle, from raw water to treated wastewater, the main technologies and management issues. Hands-on knowledge of statistics, GIS and database management are required. Capacity to read documents in multiple EU languages is an asset.</p> <p>Good knowledge of English (B2) is required.</p>
<p>Directorate Unit</p>	<p>Sustainable Resources Water and Marine Resources</p>

	<p>Further information: https://ec.europa.eu/jrc/en/research-topic/water</p>
Indicative duration	12 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 or have applied to the permanent open call for researchers FG IV: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers</p> <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>