



2020-IPR-I3-FGIV-014450

FG IV – Information Systems Officer – Big Data Analytics

<p>Position for:</p> <p>FGIV- Information Systems 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>In Directorate for Competences, the Text and Data Mining Unit aims to develop, provide access to, and apply text and (big) data mining, management, and analysis. The Unit also provides: (i) guidance on the use of statistical data mining methods as well as text and geospatial data mining and analysis; (ii) one-stop-shop for tools, services and training for the EU institutions and strategic partners to support their needs in the fields of open sources intelligence, media monitoring, information harvesting and analysis as well as innovation monitoring, statistical data mining and visualisation; (iii) a versatile multi-petabyte scale platform for the processing, interactive analysis, and exploratory visualisation of geospatial data combined with other big data sources and (iv) set-up of Competence Centres in these areas as appropriate.</p> <p>We offer a position for an information systems specialist for big data infrastructure management and development.</p> <p>The main tasks of the successful candidate are as follows:</p> <ul style="list-style-type: none">• Analyse, test, and deploy new technologies for big data management and processing;• Scale-up, benchmark, optimise, and evolve the JRC Big Data Platform (JEODPP) developed in the context of the JRC Big Data Analytics (BDA) project;• Contribute to technical reports and scientific publications. <p>He/she will collaborate closely with the other members of the team and users of the platform. He/she will write and maintain up-to-date documentation of all technical systems and software developed including the use of version control systems. He/she will also contribute to the H2020 CS3MESH4EOSC project led by CERN to which the BDA project participates.</p> <p>Qualifications:</p> <p>A completed university or engineering school degree in computer science or engineering attested by a diploma and at least 5 years of professional experience in information systems and technologies.</p> <p>To perform the activities described above the following expertise is required:</p>
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	<ul style="list-style-type: none"> • Hands-on experience with big data management and analytics environments; • Good knowledge of container environments; • Very good knowledge of Linux operating systems and their usage in large-scale data processing environments; • Extensive experience with a range of scripting/programming languages; • Good knowledge of network file systems and related services as well as web technologies; • Hands-on knowledge of open-source software for data management and data science. <p>The following experiences and knowledge would be an advantage:</p> <ul style="list-style-type: none"> • Experience with elastic/large scale analysis using orchestrators and HTC/HPC workload managers; • Experience with distributed file systems; • Knowledge of GPU environments; • Relevant publications in international conferences/peer-reviewed journals. <p>A very good working knowledge of English (B2 level) is required. Furthermore, team spirit and the capability of working in an international/multicultural environment are required.</p>
Directorate Unit	Competences Text & Data Mining Further information: https://ec.europa.eu/jrc/
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> <ol style="list-style-type: none"> 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 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>

Only then you can apply for this specific position, through <http://recruitment.jrc.ec.europa.eu/?type=AX>

Auxiliary contract staff:

<https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members>

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.

Please note that in case a high number of applications is received only shortlisted candidates will be contacted.