



2019-IPR-I3-FGIV-011872

**FG IV – Project Officer – Data science specialist for big data analytics**

**Position for:**

**FG IV – Project Officer**

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.

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/>

In the 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 techniques for information extraction; (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 and other big data sources (iv) set-up of Competence Centres in these areas as appropriate.

We offer a position for a data science specialist for big data analytics. The successful candidate will contribute to the following activities:

- application of novel approaches to big data analytics including machine learning;
- development, testing, and deployment of new technologies for big data management and processing;
- scaling-up, benchmarking, optimisation, and evolution of the JRC Big Data Platform (JEODPP) developed in the context of the JRC Big Data Analytics project;

He/she will collaborate closely with the other members of the team and actively participate to the associated meetings. 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 contribute to peer-reviewed scientific papers.

Qualifications:

A completed Master degree in data science or related computer science/engineering fields attested by a university diploma and at least 3 years of professional experience in data science or related IT technologies or a completed PhD degree in these areas.

To perform the activities described above the following expertise is required:

- Practical experience with data science applied to at least

	<p>one thematic area such as data associated with a geolocation;</p> <ul style="list-style-type: none"> <li>- Experience with big data management and analytics;</li> <li>- Extensive experience with at least one scripting/programming language;</li> <li>- Hands-on experience with working in Linux/Unix-based environments;</li> <li>- Hands-on knowledge of open-source software for data science;</li> </ul> <p>The following experiences and knowledge would be an advantage:</p> <ul style="list-style-type: none"> <li>- Experience with machine learning concepts and environments;</li> <li>- Experience with large scale analysis in a thematic area, preferably for spatial data analysis;</li> <li>- Experience with various programming and scripting languages;</li> <li>- Relevant publications in international conferences/peer-reviewed journals.</li> </ul> <p>A very good working knowledge of English (B2 level) is required. Furthermore, the capability of working in an international/multicultural environment is required.</p>
<p><b>Directorate Unit</b></p>	<p>Competences Text and Data Mining</p> <p>Further information: <a href="https://ec.europa.eu/jrc/">https://ec.europa.eu/jrc/</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>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"> <li>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></li> <li>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></li> </ol> <p>Only then you can apply for this specific position, through</p>

<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.*