



**2020-IPR-A-000-015248**

**Joint Research Centre Institutional History  
Project (iHiP)**

**Position for:**

Trainee – AI tools

As the science and knowledge service of the Commission, the mission of the 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: <http://www.jrc.ec.europa.eu>

**Short description of activity:**

This position relates to DG JRC's Institutional History Project (iHiP) and will be located in Ispra, north Italy. Administratively it is linked to the unit for Interinstitutional, International Relations & Outreach (JRC A.3).

The mission of that unit is, inter alia, to manage DG JRC's relations with its strategic stakeholders and to co-ordinate the JRC communication strategy. An authoritative history of the JRC is part of this strategy.

The position relates to the collaborative institutional History Project (iHiP) that ultimately will deliver a scientifically correct presentation of the 60+ years of the JRC.

Under the guidance of an experienced expert in natural language processing, the trainee will identify and adapt (or develop), optimise and implement software for the (semi-) automatic archiving of unsorted digital copies of different types of documents in different languages. The software is expected to make use of deep learning and natural language processing techniques, e.g. classifiers for different document types, text cleaning, topic modelling, automatic summarisation, and entity recognition.

The software will support archival decisions like identifying relevant metadata, retention of paper and digital copies, identification and handling of identical documents and versions

of documents, indexing, etc.

It will also help historians to find and analyse documents and their relationship that are relevant under defined historic perspectives.

The position also includes the support of communication, outreach and other activities of the iHiP.

**Qualifications:**

**Essential:**

- University degree (at least BA or equivalent) in informatics or computer sciences;
- **or**
- experience with computer-aided characterisation and analysis of documents in the context of a university degree (at least BA or equivalent) in any subject of digital humanities, political sciences, journalism, media sciences, or equivalent.
- Good knowledge of English language (B2 level, reading, writing, and speaking).

**Advantage:**

- Experience with natural language processing tools, such as any of the following: classifiers for different document types, text cleaning, topic modelling, automatic summarisation, entry recognition.  
and/or;
- experience with applying software to the (semi-) automatic characterisation and analysis of digital documents, including the preparation of metadata;  
and/or
- experience with the preparation of documents for natural language processing;  
and/or
- ability to read one or more of the following languages: French, German, or Italian.

**For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:**

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

<b>Institute/Directorate Unit</b>	DG Joint Research Centre A3 Interinstitutional, International Relations & Outreach Unit  Further information: <a href="https://ec.europa.eu/jrc">https://ec.europa.eu/jrc</a>
<b>Indicative duration</b>	5 months
<b>Preferred starting date</b>	As soon as possible
<b>JRC Site</b>	Ispra
<b>Country</b>	Italy
<b><u>JRC contact details</u></b>	<b>For any technical problems with your application, please contact:</b> <a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a>