



2021-IPR-B-000-017590

**Economic research and statistics in the
domain of the digitalisation of the
economy**

<p>Position for:</p> <p>Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of 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/en</p> <p>The Digital Economy Unit of the JRC Directorate Growth and Innovation provides quantitative and qualitative techno-socio-economic research targeting the impacts of Digital Transformation on the economy and society. It aims to provide an independent assessment of key opportunities and challenges for Europe arising from new digital technologies and of the measures that could be taken to shape future outcomes to the benefit of European society.</p> <p>The unit's IDITES project studies</p> <ul style="list-style-type: none">• impacts of the DT on the economy and society, by providing adequate metrics to measure and monitor critical aspects of the DT;• emerging technologies and their economic and technological ecosystems; and• technology driven innovation & change, in a global perspective. <p>The overall objective is to directly provide evidence to ground policy initiatives and economic analyses.</p> <p>Since 2006, the Unit is running PREDICT "Prospective Insights in ICT R&D" that analyses the supply of Information and Communications Technologies (ICT) and the investments in Research and Development (R&D) in ICT in Europe, with comparison to major competitors worldwide. To systematically adapt to evolving challenges, the techno-economic ecosystems analytical</p>
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approach (TES) targets dynamic and technology based ecosystems escaping official statistics, with the overall objective of contributing to measuring the digital transformation of the economy and providing policy recommendations. Among such ecosystems, Artificial intelligence (AI) has become an area of strategic importance and a key driver of economic development as underlined in the COM (2018) 237 on Artificial Intelligence for Europe and in the related Coordinated Plan COM(2018)795 that assigns to the Digital Economy Unit the responsibility to set-up and operates AI Watch, the Commission Knowledge Service to monitor the Development, Uptake and Impact of AI.

In this framework, the Unit is looking for a trainee to be part of the IDITES project team, working on monitoring and analysing the European and worldwide AI landscape and other strategically relevant ecosystems. The trainee will contribute to the development of an AI index covering the main trends of AI in Europe, and of suitable indicators and analyses related to the DT.

The position requires expertise in statistics or economic analysis. The candidate will have to be able to work independently in the framework of the team, and contribute to the research activities of team and Unit.

The trainee will:

- contribute to the collection, management and analysis of quantitative datasets;
- contribute to the development of an AI index composed by indicators from different domains;
- contribute to the collection, review and summary of the existing evidence in the literature on AI, R&D, technology, industry;
- contribute to analysing data, for emerging dependencies and assessing relations,
- contributing to writing science for policy reports and scientific articles.

Qualifications:

Essential:

- a Masters/PhD degree, or be enrolled in a PhD degree or the final year of a Masters degree in statistics, economics, finance or related field
- Experience in multi-dimensional index

	<p>development</p> <ul style="list-style-type: none"> • Well versed in the use of large datasets. Knowledge of R or other data processing and computing language. • Very good computational skills in empirical analysis • Very good command of English both written and oral (min. B2 level) <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Initial research experience in industrial economics, digital economy, economy of innovation or domain relevant to the objective • Knowledge of network analysis and economic modelling • Knowledge about the digital economy and economy of innovation. <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Unit / Directorate	Directorate B Growth and Innovation Unit B.6 Digital Economy
Duration	5 months
Preferred starting date	Q3/2021
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact:</p> <p>HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>