



**2018-IPR-I-000-010424**

**Quantitative Analysis of Composite Indicators and Scoreboards**

<p><b>Position for:</b></p> <p>Trainee 4 positions</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: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a></p> <p><b><u>Short description of activity:</u></b></p> <p>The European Commission's Joint Research Centre (JRC) in Ispra, Italy, is looking for <u>4 trainees</u> to provide support on research activities related to:</p> <ul style="list-style-type: none"><li>(a) Development of COIN Explorer, a platform of composite indicators and scoreboards developed and used by the European Commission services;</li><li>(b) Data analysis for the Cultural and Creative Cities Monitor;</li><li>(c) Data analysis based on the Social Scoreboard of the European Pillar of Social Rights;</li><li>(d) Small Business Act;</li><li>(e) Indices and Innovation.</li></ul> <p>These activities will be carried out in the context of the work program of the Competence Centre on Composite Indicators and Scoreboards (COIN) (<a href="https://composite-indicators.jrc.ec.europa.eu/">https://composite-indicators.jrc.ec.europa.eu/</a> and <a href="https://ec.europa.eu/jrc/en/coin">https://ec.europa.eu/jrc/en/coin</a>). COIN builds upon JRC world-renowned expertise in developing and auditing composite indicators that distil information on multidimensional concepts with a view to enhance the utility of data systems for policy analysis, policy formulation and research. COIN supports policy Directorates of the European Commission and has a portfolio of over 40 international collaborations.</p> <p>The tasks include, under supervision of the Traineeship adviser:</p> <ul style="list-style-type: none"><li>• compiling and analysing large datasets (Scopus, Web of Knowledge);</li><li>• data validation;</li><li>• quantitative analysis (statistical, econometric);</li><li>• literature reviews;</li><li>• Contributing to scientific reports.</li></ul>
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	<p>By the end of the traineeship period, the trainees will have obtained strong understanding of constructing and assessing composite indicators and indicator frameworks, strengthened their competences in statistical and econometric analysis, and obtained valuable experience working with an international team committed to the support of the EU policy.</p> <p><b><u>Qualifications:</u></b></p> <p><u>Essential:</u></p> <ul style="list-style-type: none"> <li>• University degree.</li> <li>• Some knowledge of policies and developments in one or more of the following areas: (a) culture and creativity, (b) social rights, (c) economics of innovation, (d) labour market, (e) regional and urban development.</li> <li>• Good knowledge of data validation methods, multivariate analysis (cluster analysis, principal component analysis).</li> <li>• Good programming skills in Matlab (or other similar programming language, e.g. R, Stata, SPSS) and use of statistical analysis software.</li> <li>• Good command of oral and written English (level B2)</li> <li>• Ability to work in a team.</li> </ul> <p><u>Advantage</u></p> <ul style="list-style-type: none"> <li>• Experience with advanced statistical methods (big data analysis, neural networks, network analysis) and/or computer skills in Php, html</li> </ul> <p><b><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></b></p> <p><a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</a></p>
<p><b>Directorate Unit</b></p>	<p>Competences I.1 Modelling, Indicators and Impact Evaluation</p> <p>Further information:</p> <p><a href="https://ec.europa.eu/jrc/en/about/institutes-and-directorates">https://ec.europa.eu/jrc/en/about/institutes-and-directorates</a>  <a href="https://ec.europa.eu/jrc/en/coin">https://ec.europa.eu/jrc/en/coin</a>  <a href="https://composite-indicators.jrc.ec.europa.eu/">https://composite-indicators.jrc.ec.europa.eu/</a></p>

<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>