



2018-IPR-C-000-9945

**Life-cycle Greenhouse Gas Emissions and
Cost Analysis Of Alternative
Transportation Fuels**

<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: http://www.jrc.ec.europa.eu</p> <p><u>Short description of activity:</u></p> <p>The Sustainable Transport Unit of the Institute, comprising more than 50 staff, provides scientific and technical support on the definition of the methodology and the computation of carbon intensity for alternative (bio-based and novel) transportation fuels for inclusion in the relevant EU legislation (primarily: Renewable Energy Directive, Fuel Quality Directive).</p> <p>The JRC is currently supporting major initiatives of the European Commission in the field of alternative fuels, namely the Renewable Energy Directive Recast and the Fuel Quality Directive, and to the maintenance of the related databases. Novel methodologies are being developed to quantify emissions of bio-based and novel transportation fuels while at the same time estimating costs of carbon intensity reductions allowed for by various feedstock/fuel combinations. Techno-economic and market analyses are also performed with respect to alternative transportation fuel technologies which are currently under development.</p> <p>The proposed trainee project consists in joining on-going research activities on techno-economic analysis of alternative fuels with specific attention to their cost and market analyses. The trainee would assist in the collection and analysis of cost and market data that will later be used for further expansion</p>
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	<p>and validation in life-cycle analysis (LCA) instruments and tools focusing on transportation fuels' carbon intensity.</p> <p>The trainee will also perform a literature scan of the most promising carbon intensity reduction technologies proposed for alternative transportation fuels in the 2020-2030 timeframe.</p> <p>The candidate is expected to contribute to the analysis of data. The trainee's support will involve developing input data and drafting of the relevant technical reports.</p> <p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <ul style="list-style-type: none"> • University degree in the fields of engineering or economics. • Good knowledge of spoken and written English (B2 level) <p><u>Advantage:</u></p> <p>Knowledge of one or more of the following will be an advantage: energy economics, engineering, economic modelling, data analysis and statistics</p> <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 C - Energy, Transport and Climate C.4 Sustainable Transport Unit
Indicative duration	5 months
Preferred starting date	As soon as possible
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>