



2016-IPR-C-000-7787

**Assessing CO2 emissions from road vehicles using VECTO and CO2MPAS models**

<p><b>Position for:</b></p> <p>Trainee</p>	<p><b><u>Short description of activity:</u></b></p> <p>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.</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>The Sustainable Transport Unit of the Directorate, comprising more than 50 staff, provides scientific and technical support on clean and efficient fuels and vehicles for sustainable mobility.</p> <p>The JRC is currently supporting major initiatives of the European Commission in the field of CO2 emissions reduction from light and heavy duty vehicles. Novel methodologies are being developed for accurately quantifying emissions of various on road vehicles using experimental measurements and computer simulation methods.</p> <p>The proposed trainee project consists in joining ongoing research programs on road transport generated CO2 emissions. In particular the trainee will assist in assessing different options to reduce CO2 emissions from transport by using CO2MPAS and VECTO (the models developed by the STU to evaluate CO2 emissions from light and heavy duty vehicles). Part of the duties might involve developing computer code in Python or other relevant language for results analysis and input data formulation and drafting of the respective technical reports.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b> The candidate must hold a university degree</p>
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	<p>(as stipulated in the Rules governing the Traineeship Scheme) in the fields of science or engineering.</p> <p>The candidate must have good knowledge of spoken and written English.</p> <p><b><u>Advantage:</u></b> Knowledge of one or more of the following will be an advantage: computer programming (python), automotive engineering, data analysis and statistics.</p> <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>
<b>Directorate Unit</b>	<p>Directorate C – Energy, Transport and Climate Sustainable Transport Unit</p> <p>Further information: <a href="http://iet.jrc.ec.europa.eu/">http://iet.jrc.ec.europa.eu/</a> And <a href="http://iet.jrc.ec.europa.eu/trainees">http://iet.jrc.ec.europa.eu/trainees</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>	<p><b>For any technical problems with your application, please contact:</b> <a href="mailto:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a></p>