



2016-IPR-F-000-7350

**Road vehicle fleet impact modelling**

<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>With 7 Scientific Institutes, 3 Corporate Directorates and the DG/DDG Office, 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 JRC's Institute for Energy and Transport, comprising more than 50 staff, provides scientific and technical support on clean and efficient fuels and vehicles for sustainable mobility. The Unit also supports policies on alternative fuels including electro-mobility.</p> <p>Within the Unit, the fleet impact model DIONE is used to assess the impacts of different policies on road transport energy consumption and CO<sub>2</sub> as well as air pollutant emissions within the EU. Current scenario analysis focusses on the impacts of EU new vehicle fleet CO<sub>2</sub> emission targets as well as of a possible technology transition towards electrified vehicles.</p> <p>The model is currently further developed both with a view to enhancing its user-friendliness as well as its scope by adding additional modules and features.</p> <p>The trainee will contribute to the use and further development of this model, by focusing on data input requirements, scenario building, additional features and improvement of the model formulation. She/he will work within a small research team and under the supervision of expert members of our Unit.</p> <p>At the end of the traineeship, the trainee will have gained significant knowledge on</p>
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	modelling vehicle fleet impacts within the EU energy/transport policy context.
	<p><b><u>Qualifications:</u></b></p> <p><b>Essential:</b> The candidate should hold a university degree (as stipulated in the Rules governing the Traineeship Scheme) in the fields of science, economics, or engineering. The candidate should have good knowledge of spoken and written English (level B2).</p> <p><b>Advantageous:</b> Knowledge of one or more of the following would be an advantage: computer programming, road vehicle technologies, data analysis and statistics.</p> <p>The candidate should:</p> <ul style="list-style-type: none"> <li>- be able to analyse and structure information</li> <li>- have good communication skills both oral and written, and</li> <li>- be an effective team player.</li> </ul> <p>Please refer to the competences and qualifications in your application and clearly indicate for each one how your past experience has contributed to their development.</p> <p>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:  <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>Institute/Directorate Unit</b>	Institute for Energy and Transport Sustainable Transport Unit 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/">http://iet.jrc.ec.europa.eu/</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:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a>