



**2018-IPR-C-000-010341**

**Road transport pollutant emission inventories and emission factors development**

<p><b>Position for:</b></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: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a></p> <p>The Sustainable Transport Unit of the Institute, comprising more than 50 staff, provides scientific and technical support on clean and efficient fuels and road vehicles for sustainable mobility.</p> <p><b><u>Short description of activity:</u></b></p> <p>The JRC is currently supporting major initiatives of the European Commission in the field of pollutant emissions reduction from light and heavy-duty vehicles. The sustainable transport unit is developing together with other JRC experts a modelling platform for road transport related policy scenarios. Such tools use established emission inventories for assessing the impact of different policy initiatives on road transport generated pollutant emissions.</p> <p>The proposed trainee project consists in joining on-going research on emission inventories. The collaboration will focus on running emissions quantification models and inventories and performing analyses on available emission data. The activity may include comparing existing emission factors (from COPERT5, HBEFA) to test data retrieved from the VELA laboratories.</p> <p>In addition, the candidate will assist in the update of emission projection tools used by the STU and their integration with other policy assessment models used by other JRC researchers. The support offered will also</p>
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	<p>involve participation in experimental tests, data analysis and review of relevant literature.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <ul style="list-style-type: none"> <li>• University degree in the fields of engineering or science.</li> <li>• Good knowledge of spoken and written English (B2 level)</li> </ul> <p><b><u>Advantage:</u></b></p> <p>Knowledge of one or more of the following will be an advantage:</p> <ul style="list-style-type: none"> <li>• data analysis and statistics,</li> <li>• automotive/transport engineering,</li> <li>• computer programming</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>
<b>Unit / Directorate</b>	Directorate C - Energy, Transport and Climate  C.4 Sustainable Transport Unit
<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></p> <p><a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a></p>