



2017-IPR-C-000-8864

**Powertrain Technology Transition Market  
Agent Model (PTTMAM)**

<p><b>Position for:</b></p> <p>Trainee</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><b>Short description of activity:</b></p> <p>The Sustainable Transport Unit of JRC's Directorate for Energy, Transport, and Climate 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>The Unit hosts the Powertrain Technology Transition Market Agent Model (PTTMAM), a comprehensive system dynamics model implemented in the Vensim® platform. The purpose of the model is to support European policy-making on the market uptake of alternative powertrain vehicles.</p> <p>The PTTMAM is currently being applied in the context of the alternative fuels infrastructure deployment directive (2014/94/EU), which requires that member states communicate future recharging infrastructure targets for electric vehicles.</p> <p>The trainee will contribute to the improvement of PTTMAM. Using this model, the trainee will help in collecting data, running simulations, analysing results and improving model documentation. She/he will support 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 with hands-on experience on how model-based support to</p>
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	<p>European energy/transport policy is conducted in practice.</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 science, economics, or engineering.</li> <li>• Good knowledge of spoken and written English (level B2).</li> </ul> <p><b><u>Advantage:</u></b>  Knowledge of one or more of the following would be an advantage:</p> <ul style="list-style-type: none"> <li>• system dynamics,</li> <li>• transport/fuel technologies and infrastructure</li> <li>• data analysis.</li> </ul> <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><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>Institute/Directorate Unit</b>	<p>Directorate for 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></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>