



2018-IPR-C-000-010339

**On-road test data analysis for the
development of a driver-behaviour
benchmarking algorithm**

<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>The Sustainable Transport Unit of the Institute, comprising more than 50 staff, provides scientific and technical support on clean and efficient fuels and vehicles for sustainable mobility.</p> <p><u>Short description of activity:</u></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. The scope of this activity is to assist STU's on-going and possible future projects focusing on the characterisation of human driving behaviour and for helping in establishing a benchmarking algorithm to characterise the driving behaviour under various conditions.</p> <p>The trainee is expected to help on following measurements and analysing existing and new data regarding real world driving behaviour of human drivers. The trainee will support the performance of a literature review on the topic and will work with JRC experts to establish a driver benchmarking and characterization methodology.</p> <p>The latter will be used to understand and characterize different driving styles aiming in accurate simulation of the human driving behavior. Such information is useful in order to provide feedback to the citizens regarding their driving style, helping them to improve their driving and reduce their CO₂ emissions and will</p>
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	<p>collaborate with JRC experts to establish the driver benchmarking methodology that will later be incorporated in the Green Driving Tool.</p> <p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <ul style="list-style-type: none"> • University degree in the fields of science and engineering • 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:</p> <ul style="list-style-type: none"> • data analysis and statistics, • programming (python), • vehicle and transport engineering <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>