



2018-IPR-C-000-010375

Vehicle emissions characterization at sub-zero temperatures

Position for:

Trainee

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.

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>

Short description of activity:

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, including electro-mobility. The Unit also supports policies on connected and automated vehicles.

The JRC's European Laboratory of Vehicle emissions (VELA) is a modern and recent structure of analysis of emissions from vehicles. Research is done on regular basis to provide scientific evidence for policy making related with Global standardisation of vehicle emissions (UN-ECE) and the development of new EU emission standards for LD HD vehicles as well as for motorcycles.

Progress in recent technologies is challenging the former emissions factors and non-regulated compounds expected from the aforementioned vehicles

<https://ec.europa.eu/jrc/en/research-facility/vehicle-emissions-laboratory-vela>

The collaboration of the trainee would represent an important contribution to the analysis work of the data from the VELA instrumentation and/ or test at sub-zero T during the winter season 2018. At the end of the traineeship, the trainee will have acquired important competences on a technically as well as politically challenging field.

	<p><u>Qualifications:</u></p> <p>Essential:</p> <ul style="list-style-type: none"> • University degree (as stipulated in the Rules governing the Traineeship Scheme) in the fields of engineering, chemistry, physics, environmental science or related fields. • Good knowledge of spoken and written English (level B2). <p>Advantageous:</p> <ul style="list-style-type: none"> • Knowledge of Excel, Labview, Matlab, infographics or other tools and software for analysis of data. • Experience in analytical instrumentation (gases or liquids), on vehicles, emissions or mechanics is an asset. <p><i>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.</i></p> <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	<p>Directorate for Energy ,Transport and Climate Sustainable Transport Unit</p> <p>Further information: https://ec.europa.eu/jrc/en/science-area/energy-and-transport</p>
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: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>