2018-IPR-C-000-9728	CO2 Emissions data analysis and modelling from light and heavy duty vehicles

| **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

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.

Short description of activity:
The JRC is currently supporting major initiatives of the European Commission in the field of CO2 emissions reduction from light and heavy duty vehicles. Novel methodologies are being developed for accurately quantifying emissions of various on road vehicles using experimental measurements and computer simulation methods.

The proposed trainee project consists in joining on-going research programs on road transport generated CO_2 emissions. The trainee would assist in the collection and analysis of test data that will later be used for further expansion and validation of STU's vehicle efficiency and CO2 emissions simulation models.

The trainee will also perform a literature scan of the most prominent CO2 reduction technologies proposed for the transport sector in the 2020-2030 period.

The candidate is expected to contribute to the analysis of data from laboratory tests and simulations. The trainee' support will involve developing computer code in Python or other relevant language for data analysis and drafting of the respective technical reports. |

	Qualifications:
	Essential:
	- University degree in the fields of science or engineering. - Good knowledge of spoken and written English.
	Advantage:
	Knowledge of one or more of the following will be an advantage: automotive/energy engineering, mechanical engineering, computer programming (python), data analysis and statistics
	For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:
	https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees
Unit /Directorate	Directorate C - Energy, Transport and Climate C.4 Sustainable Transport Unit
Indicative duration **Preferred starting date**	5 months As soon as possible
JRC Site **Country**	Ispra Italy
JRC contact details	**For any technical problems with your application, please contact:** HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu