EUROPEAN COMMISSION
DIRECTORATE-GENERAL HUMAN RESOURCES AND SECURITY
Directorate HR.AMC –Account management Centre
HR.DDG. AMC 8

2019-IPR-C-000-011969	**Impact of policy implementation and technological progress in reducing road transport emissions at the global scale**

Position for: Trainee	As the science and knowledge service of the Commission, the mission of the 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 "Air and Climate Unit" (C05) of the Directorate for Energy, Transport and Climate offers a Trainee position for a graduate or MS to be involved in research activities of the Unit, giving support to the Emissions Database for Global Atmospheric Research (EDGAR) group. The Unit performs scientific research on the links between air pollution and climate change to inform policy makers about potential synergies and trade-offs. In this context, the Unit develops a global emission database which is used as a tool to support air quality and climate change policy impact evaluation. The objective of this study is to assess the impact of emission control strategies on air quality, in particular focusing on the emission reduction from road transport due to the introduction of EURO norms for vehicles. Based on the EDGAR emission data, retrospective emission scenarios will be developed to assess the effectiveness of EURO norms in reducing particulate matter and other air pollutant emission and their effects on global air quality. The trainee will learn to use and develop the EDGAR emission database and contribute to: • Updating emission reduction measures for vehicles in the EDGAR database, focusing on Europe, China, USA and the rest of the world countries, • Assessing the effectiveness of road transport control strategies at the European and global scale,

	• Developing retrospective emission scenarios for policy impact evaluation. At the end of the traineeship period the trainee will produce an internal report and present the results of his/her activities. **Qualifications:** This traineeship is suited for students with a university degree (or near completion) in engineering or environmental sciences who are interested to work on climate change and air pollution policy impact evaluation to be developed within an international emissions team. **Essential:** - University degree or being close to graduation in environmental sciences or engineering - Good knowledge of English (minimum level B2) **Advantage:** - Knowledge on air pollution and climate change polices and emission inventories - Knowledge and practice in database and big data analysis - Knowledge and practice in programming **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
Directorate **Unit**	Directorate for Energy, Transport and Climate C05 – Air & Climate
Indicative duration **Preferred starting date**	5 months As soon as possible from September 2019 onward
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