



2020-IPR-C-000-013632

**Update of emissions with persistent
organic pollutants from anthropogenic
(unintentional) sources**

<p>Position for:</p> <p>Trainee</p>	<p>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.</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>Short description of activity:</p> <p>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.</p> <p>Emissions mitigation of Persistent Organic Pollutants (POPs) is internationally addressed by the Stockholm Convention and the Protocol on POPs of Long-range Transboundary Air Pollution (LRTAP) Convention; POPs emissions and gridmaps, used as input for chemical transport models, contribute to the impact evaluation, which is a key element in measuring the effectiveness of mitigation measures.</p> <p>The objective of this study is to update the EDGAR database with POPs emissions from anthropogenic (unintentional) sources such as waste incineration, wood preservation, and metal, cement and pulp industries.</p> <p>During this traineeship, the trainee learns how to use and develop the EDGAR database and will:</p> <ul style="list-style-type: none">• perform a literature review on POPs emissions and on existing legislation
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	<p>dealing with POPs emissions for all sectors and world regions,</p> <ul style="list-style-type: none"> • contribute to the update of EDGAR database with POPs (unintentional) emissions for different sectors, including activity data and emissions factors, • perform an analysis of the POPs emissions contribution based on several criteria such as sector, region, toxicity. <p>At the end of the traineeship period the trainee will produce an internal report and present the results of his/her activities.</p> <p><u>Qualifications:</u></p> <p>This traineeship is suited for students with a university degree in engineering or environmental sciences who are interested to work on air pollution policy impact evaluation to be developed within an international emissions team.</p> <p><u>Essential:</u></p> <ul style="list-style-type: none"> - University degree in environmental sciences or engineering - Good knowledge of English (minimum level B2) <p><u>Advantage:</u></p> <ul style="list-style-type: none"> - Knowledge on air pollution polices and emission inventories - Knowledge and practice in database and big data analysis - Knowledge and practice in programming <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>
Institute/Directorate Unit	Directorate for Energy, Transport and Climate C05 – Air & Climate
Indicative duration	5 months
Preferred starting date	As soon as possible from February 2020 onward

JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu