



2015-IPR-H-000-4214

**Streamlining and Harmonisation of Life
Cycle Assessment (LCA) in the
Pharmaceutical Industry**

<p>Position for:</p> <p>Trainee</p>	<p><u>Short description of activity:</u></p> <p>The internship focuses on the implementation of LCA for the pharmaceutical sector. This sector is not part of the current Product Environmental Footprint activities of Unit H08, but given the importance of the sector and potential significance in terms of its impact, a preliminary study is foreseen.</p> <p>In this study, the investigation of the application of the EC Product Environmental Footprint (PEF) (Annex II to the Recommendation 2013/179/EU) to the pharmaceutical sector with focus on the data gaps and data quality requirements application. To do so, a review of conducted LCAs within the pharmaceutical sector together with the establishment of a database containing all available Life Cycle Inventories (LCIs) in literature could lead to the identification of data gaps. The trainee will assist the scientific responsible to apply the ILCD Entry-Level and PEF data quality requirements and will also collaborate to define the appropriate degree of aggregation of the data. Identified LCI datasets might contribute to the European Life Cycle Database (ELCD) or/and the Life Cycle Data Network (LCDN) in case data quality requirements are met; alternatively, the potential use of the ELCD in the associated studies is to be explored. At the same time, the trainee will provide assistance to evaluate outcomes in function of providing input towards the Resource Directory.</p> <p>The results should contribute to valorisation by various sources of communication channels to promote advice on scientific research on LCA implementation in the sector under; in specific</p>
--	--

	<p>the trainee will provide assistance to the scientific responsible to produce a scientific paper as result.</p> <p><u>Qualifications:</u> Knowledge in performing LCA (preferably at the level of MSc or PhD candidate in the field of LCA) and have in the use of common LCA software (OpenLCA, GaBi and/or SimaPro) required. A good understanding of fine chemical and pharmaceutical production processes and their typically quite complex supply chains as well as relevant experience in this field is favourable. Good knowledge of written and spoken English is mandatory (level B2).</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>
Institute/Directorate Unit	<p>IES H08</p> <p>Further information: https://ec.europa.eu/jrc/en/institutes/ies</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: JRC-ESRA@ec.europa.eu</p>