



EUROPEAN COMMISSION

DIRECTORATE-GENERAL
JOINT RESEARCH CENTRE
Directorate B - Resources
Recruitment and Training

2014-IPR-H-000-3453

Application of the life cycle assessment (LCA) to the analysis of durability of products.

Position for:	<u>Short description of activity:</u>
Trainee	<p>The Sustainability Assessment Unit (JRC IES H08) provides science-based support and fosters sustainability principles in EU policies by developing an integrated assessment framework towards environmental quality and socio-economic viability in the decision making process.</p> <p>Within the framework of the Ecodesign product policy (Directive 2009/125/EC), the European Commission introduced durability requirements for energy related products (as for instance, for vacuum cleaners in the Commission Regulation EU n.666/2013).</p> <p>This trainee will assist JRC-IES H08 in the life cycle assessment (LCA) of products, with particular focus to the analysis of durability issues. This will include the application of LCA to various exemplary case-studies (in particular the vacuum cleaner product group), under different assumptions and scenarios.</p> <p>The analysis of the trainee will be mostly based on data collected from the scientific literature, but it could include also the collection and elaboration of primary data from manufacturers (including results of laboratory testing). The analysis will also include the assessment of durability based on non-environmental parameters (as e.g. the economic relevance in extending the lifetime of product).</p> <p>The analysis of these case-studies will complement the on-going research of JRC IES H08 concerning the durability of products and the development of methods for the assessment of the resource efficiency of Energy-related products</p> <p>http://bookshop.europa.eu/is-bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en_GB/-/EUR/ViewPublication-Start?PublicationKey=LBNA25656)</p>

	<p>The trainee will be also involved in the reporting of the research results, including also the contribution to scientific articles.</p> <p><u>Qualifications:</u></p> <p>The following criteria will be used to judge candidates and need to be clearly specified in the application:</p> <ul style="list-style-type: none"> - Degree in scientific disciplines - Knowledge in the LCA methodology, particularly through case studies, and knowledge in the use of dedicated LCA software - Publications, particularly in conference proceedings and international scientific journals, is an advantage - Very good spoken and written English, as this is the working language of project. Knowledge of German is an advantage <p><u>For general eligibility requirements, please read the rules- see below.</u></p>
Institute Unit	<p>IES H08</p> <p>Further information: http://eplca.jrc.ec.europa.eu/</p>
Indicative duration	5 months
Preferred starting date	November 2014
JRC Site	Ispra
Country	Italy
Rules	<p>Trainees: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>