

SC 12: Introduction to LC-Impact - a new, spatially differentiated impact assessment methodology

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Abstract

The aim of the LC-Impact methodology is to provide a global life cycle impact assessment methodology, covering relevant impact categories for all three commonly used areas of protection (human health, ecosystem quality, resources). LC-Impact encompasses impact categories such as climate change, freshwater eutrophication, impacts from land and water stress or particulate matter. Also, the methodology is including spatially differentiated information wherever necessary and feasible. The main work of this harmonized methodology results from the outcomes of the FP7-funded project LC-Impact.

This short course will provide an introduction to the overall LC-Impact methodology and guide the user through various application examples. This will include the consideration of spatial differentiation, as well as the choice of characterization factors considering different value choices. Depending on the level of uncertainty of the characterization factors, LC-Impact distinguishes between high and low level of robustness and the user will be familiarized with this difference. LC-Impact includes, where possible, species specific vulnerability scores and the user will be introduced to that novelty.

Course objectives

The objectives of the course are to:

- introduce the LC-Impact methodology
- give the user an overview of the impact categories and modelling pathways covered
- increase the awareness of the importance of spatial differentiation
- provide the user with different application examples

Course level

Intermediate

Note

Participants should bring their own laptop in order to follow this course