

Limits to Growth SS22

Exercise – 4

Published on: 30.05.2022

Deadline: 13.06.2022 – 1:00 pm

Task(s):

1.) What is the environmental Impact of your favourite food?

- With the fruit/vegetable you chose in E03, and the information you gathered, compute the environmental impact of the product system using LCA.
- Your computation must at least consider the processes of production of the fruit/vegetable and the transportation of the fruit/vegetable from the “farm” to the grocery store (or where you bought it from).
- You can use the automated tools provided by [OpenLCA](#) to do this easily.
- [OpenLCA Nexus](#) has a collection of datasets, e.g., the Agribaylase dataset which contains existing LCA and LCI studies, which you can use to model your product system.
- The Information you gathered in E03 about your favourite food, can help fill in the gaps in the generic data provided in the various datasets and increase the accuracy of your impact assessment.

Submission:

- Submit the results as a PDF file. The PDF file should further contain your full name, your student email address and your student ID. **Submissions in a wrong format or lacking those information will be ignored.**
- Submission instructions:
 - Submission filename: “E04-<your-studip-username>.pdf
 - TU Clausthal students: Please use the timed submission folder for E04 in StudIP.
 - Non TU Clausthal students: Please submit E04 by sending an email to etce-ltg@tu-clausthal.de