Limits to Growth SS23
Exercise – 6

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Deadline: 07.06.2023 – 2:00 pm

Do you have any questions? Contact us via email etce-ltg@tu-clausthal.de or write a message in the Matrix channel!

Task(s):

Task 1: What is the environmental Impact of your favourite food?

- Pick your favourite fruit/vegetable that you regularly buy at the grocery store.
- Compile a comprehensive list of all required resources that go into the production of this fruit/vegetable.
- With 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.
    - You can use the automated tools provided in OpenLCA to do this easily, using the free datasets provided on OpenLCA Nexus.
    - Suggested detailed tutorial: Link

Submission instructions

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 that information will be ignored.**

Submission filename: "E06-<firstname.lastname >.pdf"

- Please upload your submission file under the following link:
  https://sync.academiccloud.de/index.php/s/MW3wY8uOVJbTrei