Limits to Growth WS 25/26
Exercise 02

Published on : **13.11.2025**
Deadline : **27.11.2025**
Do you have questions? Contact us via email **etce-ltg@tu-clausthal.de**

This is an individual exercise.

TASK(s) : How long does it take for the yellow and black bins to fill? What are the characteristics of your trash?

- Note the capacity and size of the bags you use for the yellow and black trash bin(s) in your house / WG / Shared kitchen.

- Note the day new trash bag is set in place (Start_Date) as well as note the day it is thrown to the container (End_Date).

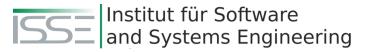- Fill out the information below and share your reflections.

Yellow bin (Gelbe Tonne)

Capacity :   Liters

Days :   No. of days it took to fill

Based on this information extrapolate how many liters of recyclable waste you would generate in a year. If you are sharing the trash bins, simply divide by the number of people.

Liters

Black bin (Restmüll)

Capacity :   Liters

Days :   No. of days it took to fill

Based on this information extrapolate how many liters of recyclable waste you would generate in a year. If you are sharing the trash bins, simply divide by the number of people.

Liters

Limits to Growth WS 25/26

Occasionally observe the articles that are / were in your trash bin and try to answer following questions. Be descriptive and if you wish to add more than one observation please use semi-colon (;) in between.

Which of these articles could you have avoided purchasing in the first place?

Which of these articles that you have thrown away could have been re purposed into something more useful, hence prolonging it's life, reducing raw material extraction and waste production?

How can the product supply chain be redesigned to prevent waste (articles) from being created in the first place?

Submission Guidelines :

Please fill out the fields in this pdf upload your answers to Cloud Folder here , using password "Limitstogrowth2526" as a PDF file with your name; e.g.: "E02-FirstName.pdf".

IMPORTANT (WICHTIG)
Submissions without the proper file name will NOT be considered.

Institut für Software
and Systems Engineering