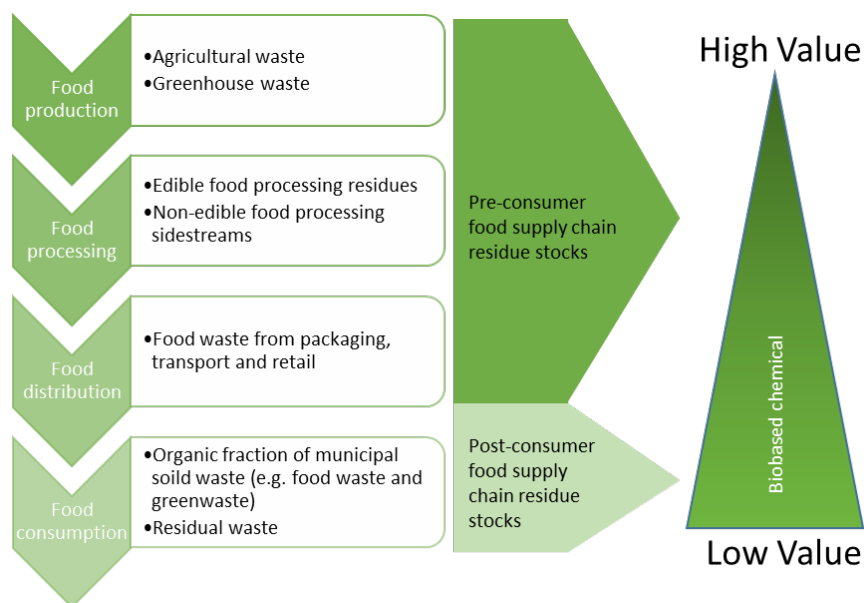


Valorization of food waste and residues focusing on business perspectives of high-value products

The growing attractiveness of sustainable production leads to increasing interest of using waste as a secondary resource. Food waste is a valuable feedstock (e.g. energy, protein, enzymes production etc.) that can be used in climate resilient bio-based economy. Further development and expansion of circular bioeconomy is a top priority for the future research and technology promotion in Europe.

A part of the ongoing EU and national research projects on biowaste valorization, a master project / exchange stay is offered at the Department of Environmental Science, the research unit [EcoIndustrial System Analysis](#).

The objective of the project is to perform a preliminary market scenario analysis for biowaste derived high value products.



The master project will be divided into three phases:

1. Quantitative review of high-value products derived from food waste in Europe
2. Linking food waste material stocks and market price of identified high value products
3. Applying industrial ecology tools to perform analysis of chosen systems/scenarios

The data collected during the first stage of the master will contribute to a PhD project in our Department, while later stages may result in a co-authorship to a scientific paper.

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