

Food Waste Insect Protein Tanks

Waste Flow

Organic Waste (Food Waste)

Impact on PESTEL categories

Technical

Location of the good practice

Amsterdam Metropolitan Areas

Stakeholders involved

Institutions, environmental organizations, enterprises, researchers, associations that are active on the territory

Keywords

Biodegradable, Sustainable, Waste reduction

Description

Black soldier fly (BSF) larvae are especially good at recovering proteins from food scraps. The solution consists to develop BSF protein farms close to residential areas would add value to domestic food waste by locally producing fodder (BSF) and compost, both used for food production. Connecting the two ends of these processes could help to close the loop and create a circular flow. Depending on the amount, size and location of the BSF farms, compost and fodder could be collected by farming companies or agriculture producers. Also, local compost production could enable urban agriculture processes within residential areas. For this, it would be important to organize the space and location of the farms, so negative effects, such as bad smells, are avoided.

Objective

This solution aim to recover proteins from food waste.

For further information

<http://h2020repair.eu/wp-content/uploads/2019/03/Deliverable-5.2-Catalogue-of-solutions-and-strategies-for-Amsterdam.pdf> (page 193)

