

Re-Compost Land: Medium size neighborhood compost plant

Waste Flow

Organic Waste (Food Waste)

Impact on PESTEL categories

Economic, Social, Environmental, Legal

Location of the good practice

Metropolitan Area of Naples, peri-urban area surrounding the high-speed railway station of Napoli-Afragola (TAV)

Stakeholders involved

Campania Region Authority, farmers, land owners, institutions, environmental organization, enterprises, researchers, associations

Keywords

Biodegradable, Sustainable, Waste reduction

Description

The proposed solution works on the potentialities of organic waste for the regeneration of wastescapes through reuse of the organic flow. The idea is to create a short supply chain for the organic waste. The idea is to localize medium compost plants in each municipality in order to create eco-district as catalyst of territorial reconfiguration and implementation of the supply chain. In these municipalities the first goal is to increase the citizens awareness of the separate waste collection, providing tax incentives in order to improve the waste management and obtain a real scenario of the tonnes produced too.

Objective

The aim is to reduce the treatment of OW outside the Region and regenerate wastescapes. The size of each plant could be between 5,000 and 10,000 t/y, in order to minimize the impact on the environment. By the aerobic treatment, about 30% of the compost by the organic fraction treated in the plant could be obtained. This treatment allows greater control and would help small farms that could benefit from their management. With combined anaerobic/aerobic plants, smaller than the existing plants in Campania (Caivano and Salerno) around 10,000 t/y, in addition to avoid the NIMBY effect, there could be a greater return in economic terms.

For further information

<http://h2020repair.eu/wp-content/uploads/2019/10/Deliverable-5.3-Eco-Innovative-Solutions-Naples.pdf>
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