

Peri-Urban Living Labs and Geodesign Decision Support Environment as tools for co-creation



PRODUCTION OF TRANSPORTATION BIOFUEL AND CHEMICALS FROM ORGANIC WASTE

Organic Waste

DESCRIPTION:
A non-recyclable waste contains carbon-based organic compounds, whose value can be captured when it is chemically recycled to produce clean transportation fuel and advanced chemical feedstock of high quality. Unlike the chemical recycling processes, this technology is based on a process that cannot be recycled and thus results in a benefit. In the process of this waste-to-energy solution, carbon is being extracted from organic waste biomass. The carbon is then converted through a chemical process into a gas. In turn, this product can be used to make bioethanol, bioethanol and ethanol, as well as chemicals to be employed in production of numerous everyday products.

Waste:
Organic Waste (Biomass)

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 (NA)

Stakeholders involved:
Campania Region Authority, farmers, land owners, institutions, environmental organizations, enterprises, researchers, associations

Keywords:
Biodegradable, Sustainable, Waste reduction

OBJECTIVE:
The aim is to reduce the treatment of OW outside the Region and improve the quality of the organic waste. The idea is to create a short supply chain for the organic waste. The idea is to create a short supply chain for the organic waste. The idea is to create a short supply chain for the organic waste. The idea is to create a short supply chain for the organic waste.

FROM BREAD TO BEER

Organic Waste

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RE-COMPOST LAND

Medium size neighborhood compost plant

Organic Waste

DESCRIPTION:
The proposed solution works on the potentialities of organic waste for the regeneration of landscapes through reuse of the organic flow. The idea is to create a short supply chain for the organic waste. The idea is to create a short supply chain for the organic waste. The idea is to create a short supply chain for the organic waste. The idea is to create a short supply chain for the organic waste.

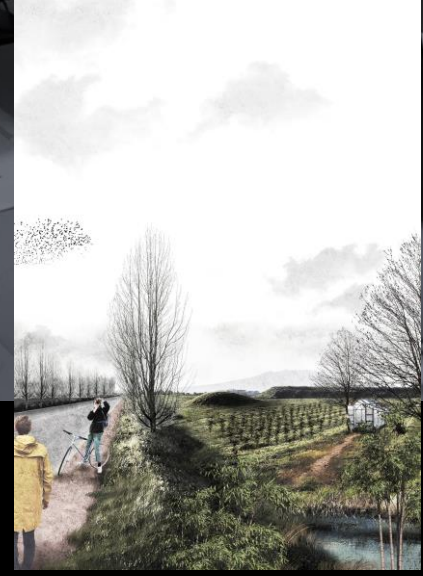
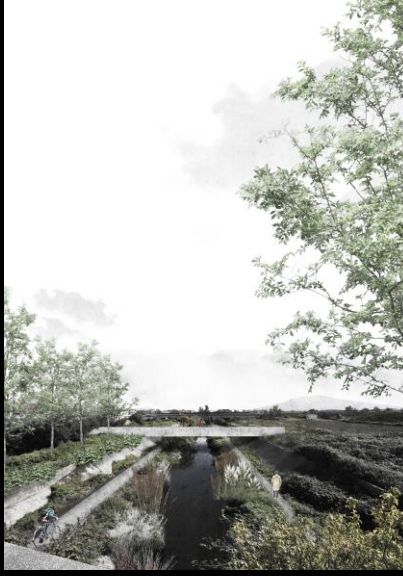
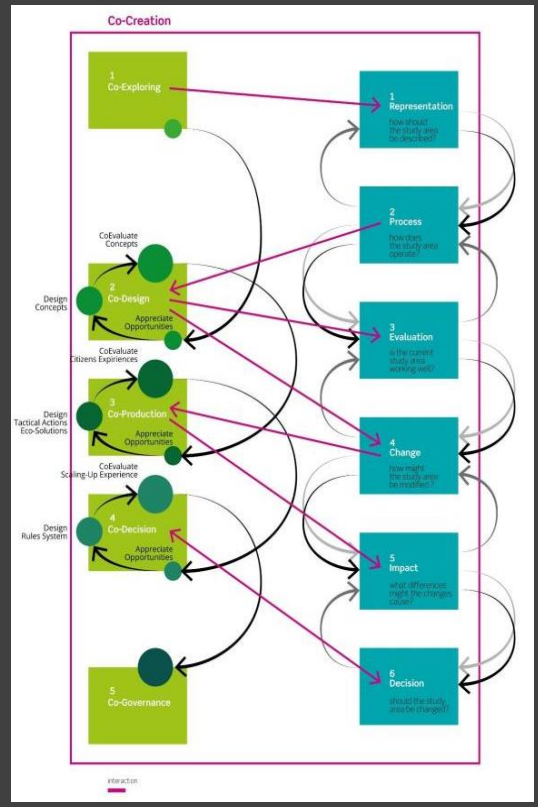
Waste:
Organic Waste (Food Waste)

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 (NA)

Stakeholders involved:
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Co-creation
PULLs
GDSE
Eco-Innovation
Waste
Wastescapes



REPAIR - Resource Management in Peri-urban AREAs

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