

# BIO-BEAN. From waste coffee ground to biofuel

## 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

The bio-bean solution addresses food waste deriving from the coffee ground: turning coffee waste into renewable energy.

The Eco-innovative solution aims to offer a service and a product.

- at the service level: the solution works with specialised waste management companies to collect coffee waste from shops, factories, offices and household. Selected shops, located in specific positions, would function as collection points coffee waste coming from households. This service enables to verify the quality and quantity of the waste coffee and for the producers of coffee, ground to dispose of their waste responsibly and eliminate associated costs.

- at the product level: the EIS processes the waste coffee ground into biofuel biomass briquettes, barbecue charcoal, biodiesel and pellets through a technology partially developed in London.

## Objective

This solution aims to shift the coffee supply chain from a linear system to a circular one, recycling waste coffee grounds into renewable energy and bringing environmental and social value to future business practice.

## For further information

<http://h2020repair.eu/wp-content/uploads/2019/03/Deliverable-5.2-Catalogue-of-solutions-and-strategies-for-Amsterdam.pdf> (page 187)

