

I-REXFO is an innovative business model designed to reduce food waste economically and sustainably, based on a reduction and recycling approach. This includes food donation to charities and reprocessing food waste to produce valuable biogas energy and fertilizers. The actions are economically sustained by public incentives, tax reductions and private revenues from energy valorization of residual food waste.

The model addresses industrial food waste, farm surpluses, distribution channels, commercial outlets such as stores, restaurants and hotels, as well as the end-consumer.

i-REXFO is focused on:

- · Less food waste and more sustainability
- · Easy collection and donation of surplus food
- · Increased support to charity and food banks
- · More renewable energy from food waste

i-REXFO is useful because:

- · i-REXFO is a fully developed business model, transferable to other EU-regions
- · i-REXFO makes know-how freely available online in terms of communication material, open source design software and normative guidelines



The objectives of the i-REXFO project

Based on good practices in the EU (particularly in Denmark), the project group behind i-REXFO is developing the integrated business model, including open source software and a comprehensive database.

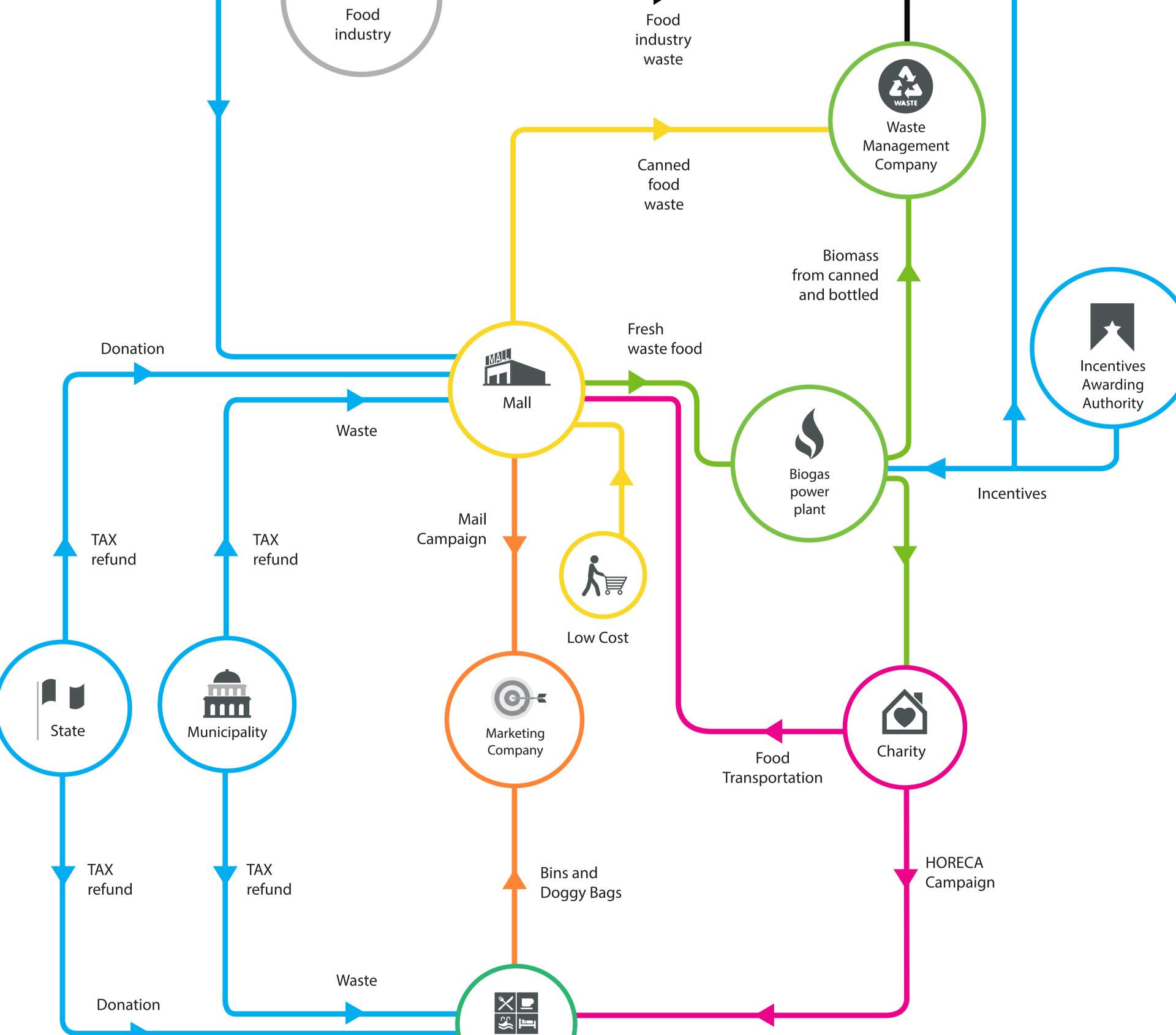
The model and all its related constituent parts, will be available to others so they can transfer it to their own region, thereby benefiting from knowhow about the required steps within the technical, economical, legal and environmental fields.

The i-REXFO model raises awareness about the importance of reducing food waste among consumers and operators in the large-scale distribution and HORECA sectors. It promotes the sale and use of food that is near expiry date or is aesthetically rejected and encourages donations of surplus food to charities and food banks. These measures work alongside the collection and reprocessing of expired food in anaerobic digestion plants. The production of biogas as an energy source completes the circular economy cycle.

The i-REXFO model will be demonstrated in Umbria and then transferred to other Italian areas and countries (Hungary).

FINANCIAL FLOW i-REXFO Business model

Incentives Food Food industry industry waste Management Canned Company





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I-REXFO is the official partner of the FAO initiative Save Food www.fao.org/save-food

















Food Transportation



