TECHNOLOGICAL INNOVATIONS

ORGANISATIONAL SOLUTIONS

SOCIAL SCHEMES

LOWINFOOD

Multi-actor design of low-waste food value chains through the demonstration of innovative solutions to reduce food loss and waste

LOWINFOOD has selected a set of very promising innovations designed to reduce the amount of waste at certain stages in the food value chain. They range from technological solutions to several social and organisational or managerial innovations. The aim is to validate and improve those innovations in order to provide society with tools to help combat food waste.

The planned workflow starts with an assessment of the food loss and waste in each value chain, before and after the implementation of the innovation. Then the effect of each innovation will be determined, taking into account how effective they are in reducing food waste, as well as their socio-economic and environmental impacts. Finally, market replication and exploitation strategies will be traced to expand the use of the innovations.

INNOVATIONS AND THEIR TYPE OF ACTION

Software to manage withdraws of **fruit and vegetables** and donate them to charities

Cooperation system between **farmers** and **food service** sector

Foresightee: **Fruit and vegetables** sales-forecasting software for supermarkets

Leroma: B2B digital market place for reducing food losses in the **vegetables** and **fish** industries

Stakeholder dialogue to develop guidelines against food loss and waste in the **bread** and **fish** value chains

FoodTracks: Software for optimization of **bakeries'** production

Innovative supplier/retailer agreements for **bakery** products

Matomatic: Plate waste tracker for **school canteens**

Educational approach against food waste at**schools**

KITRO: Smart bin for **restaurants'** and **hotels'** kitchen

Mitakus: Technological innovation to better forecast meals in **food service**

Regusto: Mobile app to sell **restaurants'** surplus food provisions

CozZo: Mobile app to manage **household** food provisions

TYPES OF ACTION

- Food redistribution
- Consumer behaviour change
- Supply chain efficiency
- Food waste prevention governance
- Food valorisation

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