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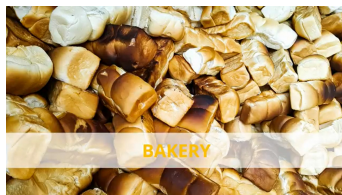
Welcome to the second LOWINFOOD newsletter

Welcome to [LOWINFOOD](#): "Multi-actor design of low-waste food value chains through the demonstration of innovative solutions to reduce food loss and waste". LOWINFOOD has completed its first year on its way to reducing food loss and waste across four value chains particularly affected by this issue.

Short video series on the LOWINFOOD commitment across the different value chains



Fruit & vegetables



Bakery



Fish



At-home consumption

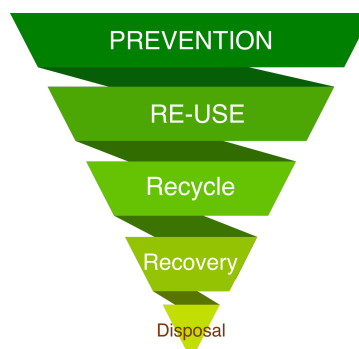


Out-of-home consumption

[Learn more](#)

LOWINFOOD approach to reduce food loss and waste

LOWINFOOD's innovations aim to reduce food waste by means of prevention (e.g. prevention of surplus food at source), redistribution (e.g. through food donations) and reprocessing (e.g. reprocessing of surplus food for human consumption); they are therefore located in the top half of the waste hierarchy (image on the right, based on the hierarchy by the [European Commission](#)). To achieve this goal, innovations make use of a range of technological (e.g. forecast software, waste tracker, apps), organisational (e.g. cooperation, dialogue) and educational measures).



Over the last few months, the consortium has laid the foundations that will serve to turn LOWINFOOD into the ambitious project it was conceived to be:

- The methodology has been specified and developed together with stakeholders in a multi-actor approach: the value chains where the innovations will be demonstrated, the type of food waste that is generated, the roadmap for data collection, the set of indicators that will be used to evaluate the innovations, etc.
- Specific questionnaires for collecting data on the abovementioned indicators have also been developed for each innovation. Actors across the whole value chain, from production to retailing, will be asked to complete the surveys so that a comprehensive view of the capacity of innovations to reduce food loss and waste will be obtained.

The coming years in the project will be devoted to demonstrating the innovations, which will be accompanied by ongoing evaluation. The evaluation will be focusing on three dimensions: efficacy (capacity of the innovation to reduce food waste), socio-economic impacts (social and economic contributions of the innovations at company and wider levels) and environmental impacts (impacts on natural resources, human health and the environment).

The evaluation process will lead to an improvement in the maturity level of all the innovations. The final goal of LOWINFOOD is to provide the necessary demonstration and upscale to allow market replication of the innovations.

[Learn more about the innovations in each value chain](#)

Project leaflet

LOWINFOOD has prepared a leaflet to provide a general overview of the project.

The set of innovations chosen for the LOWINFOOD project ranges from technological solutions to several social and organisational or managerial innovations. People working in the same food value chain will come together and discuss how to reduce food loss and waste in their chain.

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

TECHNOLOGICAL INNOVATIONS	Software to manage withdrawals of fruit and vegetables and donate them to charities	Matomatic: Plate waste tracker for school canteens
ORGANISATIONAL SOLUTIONS	Cooperation system between farmers and food service sector	Educational approach against food waste at schools
SOCIAL SCHEMES	Foresightee: Fruit and vegetables sales-forecasting software for supermarkets	KITRO: Smart bin for restaurants' and hotels' kitchen
	Leroma: B2B digital market place for reducing food losses in the vegetables and fish industries	Mitakus: Technological innovation to better forecast meals in food service
	Stakeholder dialogue to develop guidelines against food loss and waste in the bread and fish value chains	Regusto: Mobile app to sell restaurants' surplus food provisions
	FoodTracks: Software for optimization of bakeries' production	CoZo: Mobile app to manage household food provisions
	Innovative supplier/retailer agreements for bakery products	

TYPES OF ACTION

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

[Learn more](#)

Most recent events

On-site events have started after a long year of online meetings due to the Covid-19 pandemic!



LOWINFOOD in the Sardinia Symposium 2021

From 11 to 15 October 2021, several representatives of the LOWINFOOD project participated in Sardinia 2021, the 18th International Symposium on waste management and sustainable landfilling, which took place in Cagliari, Italy.



LOWINFOOD at the 179th EAAE seminar

On 10 September 2021, LOWINFOOD partners Gianluca Di Fiore and Elisa Carloni from the University of Bologna attended the 179th EAAE (European Association of Agricultural Economists) seminar in Chania (Crete).



LOWINFOOD joined the International Day of Awareness of Food Loss and Waste

On 29 September, International Day of Awareness of Food Loss and Waste, LOWINFOOD coordinator Clara Cicatiello brought the LOWINFOOD message to the general public through social media channels. She underlined the commitment and contribution that LOWINFOOD will be making towards reducing food loss and waste.



Enriching summer school about the design of sustainable food systems

During two weeks, between 5 and 16 July 2021, 19 students attended the summer school entitled "Design of sustainable food systems", organised by the University of Tuscia, with the support of the SLU-Swedish University of Agricultural Sciences and BOKU-University of Natural Resources and Life Sciences. They were immersed in an international environment, an experience that was very interesting and enriching for them.

News about LOWINFOOD's sister projects



The [Ploutos](#) project, aimed at re-balancing the agri-food value chain and making it more sustainable by combining behaviour, business and technology innovations, recently reached its 2nd year and officially launched its [Sustainable Innovation Pilots](#), which cover a large range of agri-food ecosystems and are currently being deployed in over 10 European countries.

Ploutos also had its [first webinar](#) on collaborative sustainable business model archetypes and how these work in practice! Using the presentation of the methodology as the foundation, participants had the chance to apply it by using a practical example from the Ploutos' Pilots, regarding the Italian grapevine sector.



The [FAIRCHAIN](#) Project has just celebrated its 1st year. It aims to develop intermediate food chains via scaling-up small and mid-sized actors and encouraging down-scaling of conventional and larger actors. This year FAIRCHAIN partners developed technological and organisational innovations with special focus (but not only) on a flexible filling machine, new whey-based drinks, blockchain technology and 'zero waste' distribution modes.

The co-creation process started with an assessment of current value chains and involved stakeholders in Goal-defining workshops. Working groups with other European projects (including PLOUTOS) and European bodies' meetings contributed to sharing work on sustainable food systems. Soon, in collaboration with the [CO-FRESH](#) project, the updated [Sustainable Food System Innovation platform](#) will be launched.

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