



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

LOWINFOOD

PRACTICE ABSTRACT No: 15

Efficacy of innovations against food waste

Accelerating progress towards Sustainable Development Goal Target 12.3 in the European Union is a crucial mission, and the European Commission has put forth ambitious efforts to make it happen. LOWINFOOD is a visionary project that spearheads the charge with innovative solutions tailored for: 1) processing & manufacturing and 2) retail & consumption. These technological, social, and organizational innovations hold the key to reducing food waste in different value chains.

LOWINFOOD goes beyond mere aspirations by providing concrete data-driven results: measuring the efficacy of each innovation in food waste reduction is considered crucial to the project. A comprehensive multi-actor approach has been meticulously crafted based on Delegated Decision 2019/1597 of 3rd May 2019. Through a Delphi consultation with scientific partners and in-depth interviews with innovators, we've laid the groundwork for reliable measurement (KPIs, indicators, methods).

Two data collection phases have been foreseen to measure efficacy: the baseline, which offers an invaluable understanding of food waste in selected environments before the application of the innovations; and the monitoring, which collects data during or after the application of the innovative solution.

Through this meticulous data collection and rigorous analysis, we can confidently showcase the true impact of our efforts in curbing food waste. Our commitment to precision and accuracy ensures that we pave the way towards a future where sustainability and waste reduction go hand in hand.

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Country/region

All countries involved
in the implementation
of the innovations



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Additional information

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In order to accelerate the EU's progress towards Sustainable Development Goal Target 12.3, the Commission is proposing to set legally binding food waste reduction targets to be achieved by Member States by 2030. More specifically, Member States are required to take the necessary measures to reduce food waste by the end of 2030: 1) by 10%, in processing and manufacturing; 2) by 30% (per capita), jointly at retail and consumption (restaurants, food services and households). The legislative proposal, amending the Waste Framework Directive, provides for a formal review of progress made by Member States, by the end of 2027. Source: [LINK](#)

ABOUT LOWINFOOD

The LOWINFOOD project, launched in 2020 and coordinated by the University of Tuscia, Italy, is working to deploy and improve a set of 14 innovative solutions to the food waste problem, by demonstrating their effectiveness and market potential. The core activities of the project are all focused on the evaluation of the efficacy of these innovations in reducing food losses and waste, in terms of the amount of food waste avoided as well as their environmental and socio-economic impact.

CONSORTIUM



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