

# FOODRUS Suite: an integral solution to prevent FLW



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#integralsolution

#ICT



Within the FOODRUS project, a total of 12 innovative solutions have been deployed with the overarching goal of preventing food loss and waste (FLW). These solutions are strategically grouped to address specific facets of FLW prevention, encompassing several objectives:

1. Quantification and Monitoring of FLW: This category focuses on developing tools and methodologies to precisely measure and track FLW at various stages of the food supply chain (FSC).
2. Monitoring the Impact of FLW Prevention Actions: Solutions in this group aim to assess and monitor the effectiveness of FLW prevention strategies implemented throughout the FSC.
3. Root Cause Identification: Here, the emphasis is on identifying the fundamental reasons behind the generation of FLW, allowing for targeted interventions.
4. Identification of Best Practices: This category is dedicated to highlighting the FLW prevention actions that have proven highly effective in preventing food loss and waste (FLW). In this way, replicability and transferability to other use cases is facilitated.

These innovative solutions span a range of applications, including process optimization, certification based on blockchain, urban waste characterization tools, and e-learning materials, among others. While each solution is tailored to specific FSC stages, collectively, they comprehensively cover the entire food supply chain, from primary production to consumption. Central to the FOODRUS initiative is the FOODRUS suite (accessible through: <https://client.suite.apps.foodrus.eu/>), an integrated platform that consolidates all 12 solutions. The suite comprises:

1. A solution access panel: Facilitating access to each individual solution within the platform.
2. Descriptive sustainability KPIs: Resulting from a co-creation process, these KPIs are automatically collected and updated through digitalization, providing a comprehensive overview of the project's sustainability metrics.



The FOODRUS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°101000617.

3. Interactive dashboard: It enables users to visualise aggregated KPI results for specific time periods, individual pilots, or the collective results of multiple pilots. The dashboard allows the filtering of specific KPIs or visualising results for particular FSC stages. It serves as an open data repository that showcases aggregated data and thus maintains data confidentiality while providing transparency.

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The FOODRUS suite acts as a multifaceted tool, offering insights into trends, solutions to prevent FLW, and sustainability performance. It enhances cooperation opportunities by providing integral data management for implementing cooperative strategies. Additionally, the suite offers transparency on economic, social, and environmental impacts, fostering a holistic understanding of FLW prevention within the food value chain.

## About

Coordinated by the University of Deusto and comprising 27 partners from 10 different European countries, the EU-funded FOODRUS project aims to limit food losses and waste, and to promote resource efficiency across all stages of the agri-food value chain. FOODRUS is working to tackle the food waste and losses by creating resilient food systems across nine European regions. To achieve this, the project will test 23 circular solutions through diverse forms of collaborative innovation.

## Consortium



[www.foodrus.eu](http://www.foodrus.eu)



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