

# WASTELESS PRACTICE ABSTRACT

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Implementation of the WASTELESS Electronic registry supported by a blockchain system at a fruit & vegetable processor in Portugal - I



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#### IMPLEMENTATION

Portugal

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WASTELESS - Waste Quantification Solutions to Limit Environmental Stress



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## PRACTICE ABSTRACT

Large amounts of food are wasted every year, and reducing it requires comparable measurement; WASTELESS developed simple tools to record food loss and waste in different supply chains.

In Portugal, a fruit and vegetable processor tested the WASTELESS electronic registry supported by a blockchain system that uses a standardised survey to record food inputs, outputs and side-stream destinations in a traceable and verifiable way.

The objective was to check whether the company could capture mass-balance information in a structured format and whether the approach was workable for industrial reporting. Data were collected and entered, showing that the registry can represent processing flows and destinations when a company is willing to participate. At the same time, engagement remained fragile: staff reported that some data types feel sensitive, especially when economic values are requested, and completing a long-structured survey can feel like extra administrative work.

For practitioners, two actions improve feasibility. First, reduce the burden with progress indicators, clear definitions next to fields, and “save and return” so data can be gathered across teams. Second, split completion by role (production, quality, finance) so no single person must answer everything. To keep companies motivated, provide something back: a confidential, anonymised benchmark view or a simple dashboard that turns the reported flows into actionable insights on where the biggest losses and best recovery routes are.

## RESOURCES

Title/Description: WASTELESS Electronic registry supported by a blockchain system  
URL: <https://wastelesseu.com/tools/wasteless-open-access-blockchain/>

## ADDITIONAL INFORMATION

The WASTELESS Electronic registry supported by a blockchain system was developed by WIISE Srl (Workable Ideas and Initiatives for a Sustainable Economy).  
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