

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 - II



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END – USER(S):

Primary Producers, Processors,
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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 used the WASTELESS Electronic registry supported by a blockchain system based on a standardised survey, with entries stored in a traceable and verifiable way, to compile input–output data for mass-balance reporting and to document where side streams go.

The practical goal was to see whether routine company information and production figures could be captured in a consistent format without creating excessive workload. Quantitative data were entered and the mass-balance approach worked, but the survey was not straightforward to complete. The most time-consuming problems were in the general company-information parts and in resolving survey/system compilation issues, which required support from the developers.

For practitioners, the lesson is to prepare the data internally before entering it online. A simple offline template (for example an Excel file that mirrors the online fields) helps teams collect figures from different departments and then upload once. Usability can be improved by pre-filling common company fields, adding clearer help text and validation, and giving explicit rules for typical mass-balance ambiguities (such as how to treat water and moisture changes) so reporting stays consistent across campaigns and sites.

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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DISCLAIMER

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