

WASTELESS PRACTICE ABSTRACT

| NO. 3 | May 2026 |



Implementation of the WASTELESS Electronic registry supported by a blockchain system in a supermarket in Italy



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Retailers, Policy makers,
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IMPLEMENTATION

Italy

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WASTELESS - Waste Quantification Solutions to Limit Environmental Stress



WASTELESS is funded by the European Union (Grant Agreement No. 101084222). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or Research Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

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 Italy, a cured meat producer used the WASTELESS Electronic registry supported by a blockchain system based on a standardised survey, stored in a traceable and verifiable way, to document side streams, their causes and their destinations along the waste hierarchy.

The objective was to turn by-products and waste flows from “informal knowledge” into structured reporting that can be compared over time. The survey was completed using available company data and was considered useful and insightful. The company reported high efficiency: most by-products were reused and only small amounts were true waste, while some losses were unavoidable (for example bones and non-edible parts). The key usability issue was that the survey structure did not always match the way cured meat operations think about stages, making data entry slower than needed.

For practitioners, tailoring matters: guided selection of sector and processing steps (trimming, curing, packaging) can reduce confusion and make results more consistent. Prompts that help separate avoidable from unavoidable fractions, plus standard destination options for animal by-products, improve clarity and comparability. Confidential or aggregated reporting modes can also help overcome concerns about competitive sensitivity while still enabling internal learning and external reporting when required.

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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