

WASTELESS PRACTICE ABSTRACT

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Implementation of the WASTELESS Electronic registry supported by a blockchain system at a pasta producer with on farm primary production in Italy



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Processors, Technology providers, others

IMPLEMENTATION

Italy

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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 Italy, a small pasta producer with its own farm tested the WASTELESS Electronic registry supported by a blockchain system that uses a standardised survey to record inputs, outputs and side-stream destinations in a traceable and verifiable way.

The objective was to capture combined farming and processing flows in one place (including side streams such as bran) and to improve transparency on how by-products are handled in a small mixed business. Data were collected successfully. A key outcome was not only better accounting, but a change in perspective: recording side streams highlighted their economic value, for example bran that had previously been given away. This raised awareness of missed income and potential new outlets, showing that measurement can reveal business opportunities, not just “waste problems”.

For practitioners, it helps to include prompts that estimate the value of major side streams even when they are donated or informally transferred, because this makes opportunity costs visible and supports better decisions. Small producers also need simplified guidance on reporting and on practical/legal options for donation or animal feed. A lighter questionnaire version for mixed farm-plus-processing operations can keep the workload manageable while still capturing the main flows that matter.

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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