

# WASTELESS

## PRACTICE ABSTRACT

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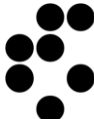
Implementation of the WASTELESS Electronic registry supported by a blockchain system at a green grocery in Italy



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Technology providers

### IMPLEMENTATION

Italy

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WASTELESS - Waste Quantification Solutions to Limit Environmental Stress



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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 green grocery tested the WASTELESS Electronic registry supported by a blockchain system using a standardised survey stored in a traceable and verifiable way to record sold and unsold shares, side streams and prevention actions.

The objective was to check whether a small, specialised retailer could report simple but comparable figures without needing complex systems. Data were collected and the retailer described practical prevention actions already used, such as targeted discounting and, when allowed, redirecting non-marketable items to animal feed. Detailed monetary values were largely unavailable, except for some disposal costs, so the tool's strength was operational visibility rather than profit-loss calculation.

For practitioners, a simplified reporting approach fits best: allow entry of sold/unsold proportions and the typical destination routes without forcing detailed SKU-level data. Optional prompts for a few high-perishability items can help pinpoint where action will pay off. Quick logging of discounting and redistribution actions can also serve as simple performance indicators, helping retailers see whether prevention practices are increasing sales before spoilage and reducing disposal.

## 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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