

WASTELESS PRACTICE ABSTRACT

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Implementation of the WASTELESS Electronic registry supported by a blockchain system at an olive oil producer in Italy



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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, an olive oil producer used the WASTELESS Electronic registry supported by a blockchain system where a standardised survey captures inputs, outputs and side-stream destinations, stored transparently and easy to verify.

The objective was to record an input–output mass balance for oil extraction and document what happens to by-products, supporting structured accounting and valorisation mapping. Data were collected and used to calculate an indicative extraction yield of about 17 %–18 %. No wastes were declared, while by-products were reported as valorised, for example pomace sold for further processing or energy, and wastewater used for irrigation.

For practitioners, this highlights a common reporting risk: “zero waste” can appear simply because side streams are treated as products, even though they still represent large material flows that deserve tracking. To improve consistency, the registry should offer olive-oil specific options (pomace/cake, wastewater, leaves) and typical valorisation routes so users do not have to interpret generic fields. Companies should be encouraged to enter quantities for all residual streams, even if they are sold or reused, to avoid hiding opportunities for higher-value recovery and to support credible benchmarking across mills and seasons.

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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