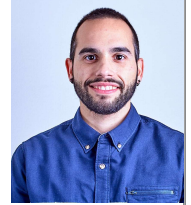


Screening and multi-criteria prioritisation of nutrient recovery and bio-based fertiliser technologies from secondary raw materials



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A multi-criteria framework to identify the most promising nutrient recovery and bio-based fertiliser technologies for circular agriculture in Europe.

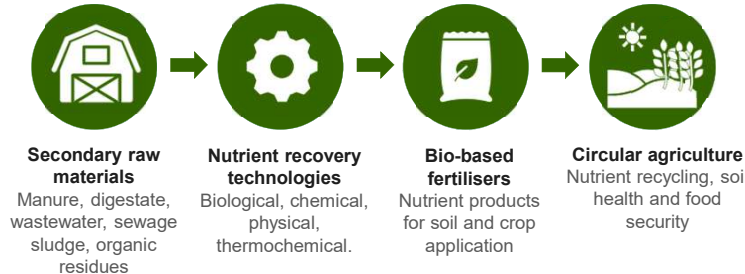
OBJECTIVE



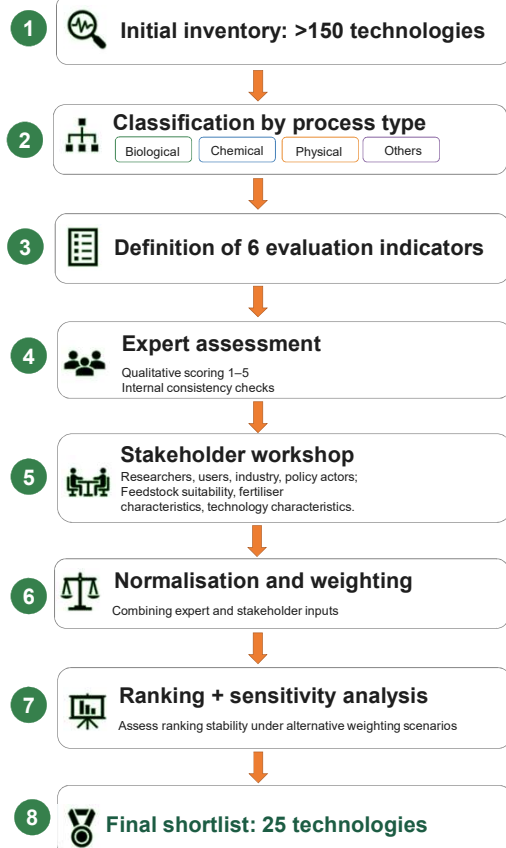
To screen and prioritise nutrient recovery and bio-based fertiliser technologies from secondary raw materials in order to identify the most promising solutions for further technical, environmental and socio-economic assessment.

CONTEXT

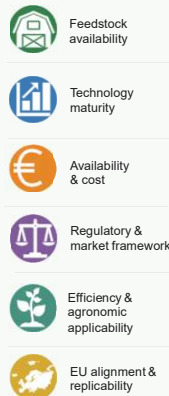
Europe depends heavily on imported mineral fertilisers, creating vulnerability and environmental burdens. Recovering nutrients from secondary raw materials closes resource loops, reduces emissions and supports the transition to circular, resilient agriculture.



METHODOLOGY



EVALUATION INDICATORS



ONLINE CATALOGUE



KEY RESULTS

TRL distribution



Most represented technology families



Feedstock



MAIN INSIGHTS

- Technologies with established value chains and widely available raw materials offer more consistent performance.
- Regulatory certainty and market readiness have a significant impact on the potential for implementation.
- Ease of use from an agronomic perspective and compatibility with current farming practices are key to market acceptance.

CONCLUSION



The proposed prioritisation framework combines expert assessment, stakeholder participation and robustness analysis to support decision-making in nutrient management, policy design and investment planning, helping accelerate circular nutrient management in Europe.



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FertiCovery