



ORGANIC4ORGANIC

CONSORTIUM
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Potentials and risks of organic manure and waste in the circularity of nutrient flows in organic agriculture at the farm and regional levels

Coordination

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Nutrient management is a central element in the scaling-up of organic agriculture (OA), as nutrient availability is a limiting factor for agricultural production. The expansion of OA must therefore be accompanied by structural changes to improve nutrient management. Manure and organic waste are at the heart of several major levers aimed at optimizing the circularity of these nutrients.

The aim of Organic4Organic is to create and coordinate an interdisciplinary community for an integrated and systemic vision of the potentials (crop fertilization, soil improvement, etc.) and risks (pollution associated with losses, health risks, etc.) of these organic products in the circularity of nutrient flows in OA, at the farm and regional levels.

The consortium brings together a wide range of disciplines, including agronomy, soil ecology, industrial ecology, process engineering, geomatics, microbiology, and the environmental and animal husbandry sciences.



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With the aim of developing new scientific frontiers at the interfaces of the animal-manure-soil-plant and agricultural-processing-food system continuums, the Organic4Organic project aims to:

- identify the systemic obstacles and levers in order to optimize nutrient circularity in OA in relation to manure and organic waste management;
- single out insufficiently addressed research fronts that are crucial to the development of OA;
- develop interdisciplinary projects and thesis proposals on these priority issues.

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