



PROJECT PARTNERS

- ✓ 19 organisations
- ✓ 12 EU countries
- Chambre d'Agriculture de la Charante-Maritime
- Consorzio Italbiotec
- European Biogas Association
- Fundacion Cartif
- Inagro
- Institut de Recerca i Tecnologia Agroalimentaries
- Instituto Superior de Agronomia
- Ips Konzalting
- Johann Heinrich Von Thuenen-Institut
- Kobenhavns Universitet
- Politechnika Czestochowska
- Soltub
- Stichting Wageningen Research
- Teagasc
- Terra Humana
- United Experts
- Università degli Studi di Milano
- Universiteit Gent
- Zuidelijke Land en Tuinbouw Organisatie

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Nutri2Cycle

Nurturing the circular economy

Transition towards a more
carbon and nutrient efficient
agriculture in Europe.



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ABOUT NUTRI2CYCLE

Closing nutrient loops

The Nutri2Cycle project will be running from 2018 to 2022. It will provide an essential contribution to circular economy by closing nutrient loops.

European agriculture is still characterized by a high overall contribution to greenhouse gas emissions as well as inefficient recovery of carbon and reuse of major plant nutrients (nitrogen and phosphorus).

The Nutri2Cycle project will assess the current Nitrogen (N), Phosphorus (P) and Carbon (C) flows looking into existing management techniques in different farm systems across Europe and analysing their related environmental problems.

Tackling the existing nutrient flow gaps in Europe will help decrease greenhouse gas emissions, reduce soil degradation and improve EU independence for energy and nutrients.

From farmers to end-users: targeting the whole value chain

Nutri2Cycle will interact with all actors influencing nutrient cycles to:

- Create more efficient and sustainable farm business models for nutrient recovery and recycling.
- Spread the results at regional, national and European level throughout a comprehensive network of regional operational groups, National Task Forces and European stakeholders.
- Assess how the products obtained through the identified business models can aim for labelling and reach end-users.
- Provide scientific support on effective regulatory frameworks to reduce emissions and increase self-reliance of Europe for food, energy and nutrients in the next century.

The recovery of nitrogen and phosphorus in farms can be significantly improved by creating better synergies between animal breeding and crop production. These improvements will facilitate the return of carbon to soil and reduce greenhouse gas emissions, which could be combined with the production of energy for self-consumption on-farm.

