Re2Farm

Nutrient recycling
from pilot stage to farm

What challenge or problem are you addressing? What is the need for the project?

We address the challenge to increase Nitrogen and Phosphorous recycling rates in future agricultural food production: from field to fork and most importantly: back to the field.

Currently, agricultural food production is far from a bio based, circular Economy: nutrients and energy for mineral fertilizer production are imported from outside the EU. At the same time, nutrients are landfilled as sewage sludge or after incineration. Also, nutrients accumulate in the environment causing eutrophication of ecosystems.

Objective of the project: What your project wants to achieve/change

We want to increase nutrient recycling rates by addressing farmers as consumers of fertilizer: adapt fertilizer properties to farmers' needs, derive and communicate field management advice, develop networks and markets

Why do you need transnational cooperation?

Transnational cooperation within NW EU will help us to achieve our goals thanks to: a high variety of experience with different waste treatment technologies at pilot stage in the territory, transnational nutrient flow analysis to identify options for trade and cooperation to develop a common circular Economy and in-field testing will benefit from a high variety of pedoclimatic conditions and territorial contexts.

What kind or partners are you looking for?

- Producers of recycling-derived fertilizer products/ waste treatment plants
- Farmers' associations
- Fertilizer trading companies
- National/ regional/ local authorities/ waterboards
- Fertilization planning consultancy (DE, FR, IE, LU, UK)

Fig. 1: Material and associated nutrient flow as well as information flow along the recycling-derived fertilizer product value chain.

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