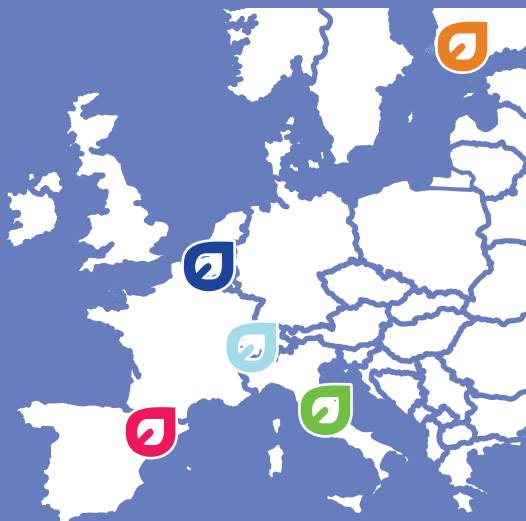


Assesment and implementation of innovative mitigation measures



Innovative agronomic mitigation measures will be tested and implemented in 5 pilot regions (4 nutrient hotspot and 1 nutrient deficient area), representing 4 different climate zones in Europe.



-  **Beta**
Spain
Mediterranean Region
-  **FiBL**
Switzerland
Continental Region
-  **Università degli Studi di Milano**
Italy
Continental Region
-  **Ghent University**
Belgium
Atlantic Region
-  **Luke**
Finland
Boreal Region



NutriBudget

www.nutribudget.eu

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Consortium



NutriBudget

Optimisation of nutrient budget in agriculture



Funded by
the European Union

The Challenge

Nitrogen (N) and phosphorus (P) play an essential role in agriculture to maintain fertile and healthy soils, and ensuring food security. However, overfertilisation has led to substantial negative impacts on human health, biodiversity, water, air, and soil quality. In addition, there are indications of a decline in soil organic carbon content. This is defined as a threat for European soils due to its crucial link with ecosystem functioning. Achieving an optimal nutrient management in the EU agriculture is crucial for the sustainability of the sector. NutriBudget project will support agriculture to intensify sustainably in order to meet the demands of optimising yields without compromising environmental integrity or public health.

What is NutriBudget?

NutriBudget is a project funded by the European Commission under the Horizon Europe – Research and Innovation Programme. It runs from 2022 to 2026 and is led by Gent University in Belgium, bringing together 17 partners from EU countries, as well as Switzerland and Norway. Consortium is represented by universities, research centres, think tanks, SMEs, international companies and NGOs.

The answer of NutriBudget

In line with the European Commission's Green Deal's objectives to reduce nutrient losses by 50% and fertiliser use by 20% by 2030, NutriBudget aims to develop the prototype of a first-of-its-kind integrated nutrient management platform, called NutriPlatform. The NutriPlatform will operate as a decision-support tool (DST) for farmers, advisors and regional authorities and before the end of the project this prototype will be tested and used by at least 40.000 farmers across Europe. The NutriPlatform will help multiple end users in adopting the most suitable agronomic measures for optimising nutrient use in agriculture.

The NutriBudget Concept

NutriBudget devised an interdisciplinary and holistic concept based on five pillars:



1. NutriDesign:

measures collected will be linked to relevant monitoring indicators, called NutriKPIs.



2. NutriData:

which existing mitigation measures data to collect and new data to generate.



3. NutriModels:

develop 2 integrated NutriModels (top-down and bottom-up approach).



4. NutriPlatform:

translate this to a DST for farmers and regional authorities.



5. Nutri-Actor Approach:

co-create the NutriPlatform with users and various actors according to a multi-actor approach.

