



## Nutrient Recycling – from pilot stage to farms and fields

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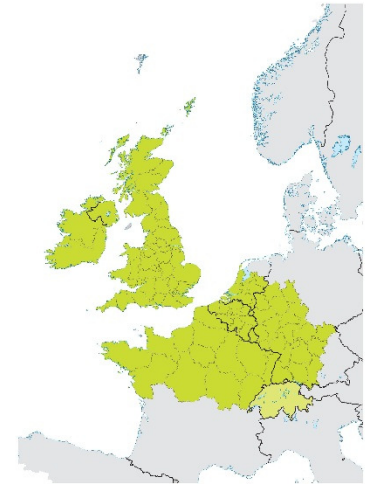
**Partners:** University Limerick, Cork Institute of Technology, ARVALIS Institut du végétal, Soil Concept S.A., Outotec GmbH, Nutrienten Management Instituut BV, University Gent, Inagro, Institute of Technology Carlow

**Contact:** Katharina Laub

Tel.: 0681 / 844 972 -13, eMail: [laub@izes.de](mailto:laub@izes.de)

### Background

Nowadays in North-West Europe 5.4 Mt N and 0.4 Mt P of mineral fertilisers are spread on agricultural land. Almost 100% of mineral fertilisers are imported into EU and only ca. 5% of total fertiliser amount spread in the regions are based on organically recycled materials. P and K are limited and finite resources, and the production of N fertilisers is energy intensive. Despite available recovery technologies, the use of recycling-derived fertiliser products in farming is limited.



### Objectives



The objective is the substitution of mineral fertilisers through closing of nutrient cycles and to contribute to a sustainable agriculture by supporting demand-oriented application of nutrients.

### Project contents

With the establishment of special processes a tailor-made organic fertiliser product will be developed, which meets the demand of different stakeholders (agriculture, trade, consultancies) and could be applied as a substitute for mineral fertilisers. The aim is to position and create a value chain for recycling derived fertiliser. The developing of national and transnational markets will consider legal, environmental and socio-economic barriers. Moreover, the regions with nutrient surplus and high nutrient demand will be identified and this will enable nutrient allocation across national borders. The outcome will be delivered in the form of recommendations for policy makers as well as application guidelines for practices. All project activities contribute on establishing market introduction strategies for recycling-derived products in different regions.

Project Management

Communication

Long Term

Production and Logistics of  
recycling-derived fertilisers

Agro-Ecologic assessment of  
recycling-derived fertilisers

Market structure and policy advocacy