

## Nutrient recovery from biobased waste for fertiliser production

### Context

Fertilisers play an important role as nutrient suppliers. Their production strongly depends on phosphorus from fossil sources, a fact which makes fertiliser production vulnerable to agricultural supply and pricing policies and in addition, influences food security.

### Objectives

The main objective of the project is to build up a breakthrough in fertiliser production and to decrease raw material dependency in Europe and to prevent resource depletion.

### Activities

- Development of viable and cost-effective nutrient recycling schemes to be used for the production of a new generation of fertilisers
- Enabling substantial energy savings in fertiliser production processes
- Involvement of fertilizers through solid life-cycle cost analysis
- Evaluation the whole process chain ranging from recovery to the recycling into a commercial fertiliser product



Duration: 7/2015 – 12/2018

Project Volume: 2.41 M€ (250 k€ KWB)

### Partners

Fertiberia SA (coordination),  
Universidad de Leon,  
Kompetenzzentrum Wasser Berlin,  
Drage & Mate International SL,  
IRSTEAD,  
Proman Management GmbH

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