

MIItigation and adaptation through better BIomass CYcling in Crop Livestock systems of north and western Europe – MI BICYCLE

Martin van Ittersum



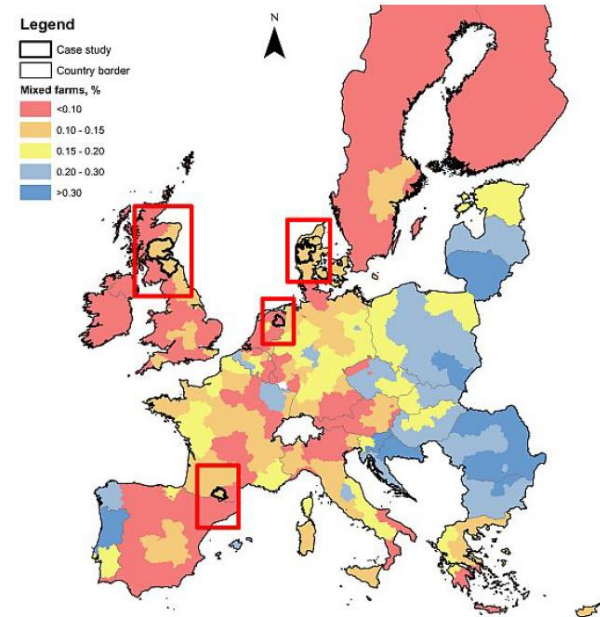
Aim and main activity

- Co-design locally improved, innovative circular crop and livestock systems in north and western Europe
- We will assess alternative utility options of biomass and co-products in integrated crop-livestock systems at field, farm and landscape level in terms of:
 - nutrient cycling
 - greenhouse gas emissions
 - carbon sequestration
 - agricultural productivity



Four case study areas


- We will apply our *systems approach and participatory and quantitative methods* in four European case study regions situated in the Netherlands, Denmark, Scotland and France
- All four case regions are characterised by:
 - highly specialized crop and livestock farming systems,
 - with innovation and transition pathways towards integration of crop and livestock production being initiated



Consortium MI BICYCLE

- Wageningen University, Plant Production Systems group: Martin van Ittersum, Renske Hijbeek and Tom Schut
 - Aarhus University, Department of Agroecology: Tommy Dalgaard, Chris Kjeldsen, Mette Vestergaard Odgaard, Henrik Thers
 - Scotland's Rural College (SRUC): Christine Watson, Kairsty Topp
 - INRAE (UMR AGIR): Guillaume Martin, Julie Ryschawy, Marc Moraine
 - Ariege Chamber of Agriculture: Aude Pelletier
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Thank you for
your attention!



To explore
the potential
of nature to
improve the
quality of life