LANDMARK
LAND Management: Assessment, Research, Knowledge base
Agricultural soils: from source to sink
Where to prioritise climate regulation?

1. Plug the carbon hotspots
2. Maintain what we have
3. Build up carbon where we can
1. Plugging carbon hotspots

Net change in emissions

Reduce drainage  Reduce nutrients  Convert to grass  Reduce drainage  Reduce drainage  Reduce nutrients  Reduce drainage

Reduce nutrients  Convert to grass  Convert to grass  Reduce nutrients  Convert to grass

Convert to grass

Horizon 2020
Grant 635201
2. Maintain what we have
3. Build up carbon where we can
Challenge 1: functional vs societal benefits

Functional demand

Societal demand
Challenge 2: accountancy – accuracy vs overhead

- Methane
- Ammonia
- Nitrous oxide
- Carbon

Challenge 2: accountancy
- accuracy vs overhead

Methane
Ammonia
Nitrous oxide
Carbon
Challenge 3: connecting the points of initiative

Policy objectives

International
- UNFCCC / international climate policies
- NDCs
- Define target
- Design

National
- National policies
- Assesses effectiveness of
- National MRV
- Must be aligned to
- Report to

Local
- Incentivisation mechanisms
- May also be used for
- C accounting tools
- Are captured in

Farm
- Sustainable / climate-smart farm practices

Monitoring