

CONTEXT PROFILE











MAIN DOMAIN OF THE INNOVATION

Improvement of nutrient cycle



AGROCLIMATIC AREA

Atlantic north



CLIMATE

Moderate rainfall



SOIL TYPE

Loam



MANAGEMENT

Pasture dairy



TECHNICAL

Computer-based



FINANCE/INVESTMENT

Low



MARKET

Local-rural



SOCIAL

Full-time farmer





Case Study: IE_12	Agroclimatic Zone								
Item (Key Innovation Elements)	Alpine	Atlantic Central	Atlantic North	Atlantic South	Boreal	Continental North	Continental South	Mediterranean North	Mediterranean South
Cow paths / spur roadways	+++	+++	+++	+++	+++	+++	+++	+++	+++
Removal of top soil before the establishment of the roadway	+++	+++	+++	+++	+++	+++	+++	+++	+++













Implementation Gaps

 To have a compact grazing area to develop an efficient roadways infrastructure

Research Gaps

• Effect of different materials for spur roadways for different soil types and regions within Europe (learn from experiences from other farmers via farm visits to avoid mistakes)

Suggestions to Adapt

- Select the right material and technology to ensure the structure's strength and long-term investment
- Carry out annual maintenance to limit irreversible damage



COST-BENEFIT ANALYSIS

INVESTMENT COSTS

Total initial investment costs at start up:	low
Initial authorisation costs (e.g. sanitary, veterinary, etc.)	not applicable/not known
Initial advisory costs	low
Initial buildings and machineries	low
Initial certification costs	not applicable/not known
Initial working capital (personal qualification, marketing and promotion, etc.)	mid

ON-GOING COSTS

On-going advisory costs	not applicable/not known
On-going certification costs	not applicable/not known
On-going buildings and machinery costs	not applicable/not known
On-going working capital	not applicable/not known

BENEFITS RELATIVE TO ORIGINAL SYSTEM

Economic

Reduction in energy consumption (electricity; fuel consumption)	mid
Reduction in input use (fertilizers; pesticides; feed) etc.	mid
Payback period	high
Product value added	not applicable/not known
Additional farm income through agroecological/agri-environmental payment schemes	not applicable/not known

Environmental

Animal feed self-sufficiency increase	mid
Biodiversity increase	mid
Improved nitrogen cycling	mid
Soil regeneration	mid
Animal health and welfare improvement	mid

Social

Workload reduction	mid
Engagement of young generation	not applicable/not known

Literature

French

- https://www.farmxp.fr/resume-detudes/paturage-les-chemins-dacces-aux-patures
- https://www.encyclopediapratensis.eu/product/guide-paturage/tout-bon-chemin-mene-au-paturage/

English

• https://www.teagasc.ie/publications/2021/the-farm-roadway-visual-assessment-booklet.php