

# CONTEXT PROFILE

 GERMANY



## FARMER

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## INNOVATION

Feeding management & grass from salt marshes



[Video](#)



## MAIN DOMAIN OF THE INNOVATION

Animal management



## AGROCLIMATIC AREA

Atlantic central



## CLIMATE

Moderate rainfall



## SOIL TYPE

Gley



## MANAGEMENT

Pasture dairy



## TECHNICAL

Computer-based



## FINANCE/INVESTMENT

Mid



## MARKET

Global



## SOCIAL

Full-time farmer

# CONTEXT PROFILE

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Case Study: DE_09	Agroclimatic Zone								
Item (Key Innovation Elements)	Alpine	Atlantic Central	Atlantic North	Atlantic South	Boreal	Continental North	Continental South	Mediterranean North	Mediterranean South
Regular forage value analyses to match nutritional requirements and grass quality	+++	+++	+++	+++	+++	+++	+++	+++	+++
Supplementation of forage where needed, optimisation of feeding	+++	+++	+++	+++	+++	+++	+++	+++	+++
Pastures that are regularly flooded with salt water	++	++	++	++	++	++	++	++	++
Measurement of urea level in milk to monitor feeding process	+++	+++	+++	+++	+++	+++	+++	+++	+++

+++ Strong transferability
++ Slightly limited transferability
+ Very limited transferability
× Generic information/not relevant

## Implementation Gaps

- Access to labs and costs of analysis
- Not enough education and knowledge in fodder analysis
- Mainly relevant in intensive production systems

## Research Gaps

- Regional aspects and aspects related to diversity in grassland
- Relationship between biodiversity and feed quality
- Suitability of indicators of forage quality

## Suggestions to Adapt

- Invest in farmers education and advisory
- Invest in structures for fodder analysis

# 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	not applicable/not known
• Initial certification costs	not applicable/not known
• Initial working capital (personal qualification, marketing and promotion, etc.)	high

## 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)	none or low
Reduction in input use (fertilizers; pesticides; feed) etc.	not applicable/not known
Payback period	not applicable/not known
Product value added	mid
Additional farm income through agroecological/agri-environmental payment schemes	not applicable/not known

### ◦ Environmental

Animal feed self-sufficiency increase	not applicable/not known
Biodiversity increase	not applicable/not known
Improved nitrogen cycling	not applicable/not known
Soil regeneration	not applicable/not known
Animal health and welfare improvement	not applicable/not known

### ◦ Social

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

# Literature

## English

- Topping pasture: <https://pasture.io/management/topping#what-is-topping-pasture>