# CONTEXT PROFILE





**FARMER** Stenhammar HM The King Carl XVI Gustaf



### **INNOVATION**

Cattle that are calm and easy to handle with good routines and smart collecting pen



MAIN DOMAIN OF THE INNOVATION Animal management



AGROCLIMATIC AREA Atlantic central



**CLIMATE** Moderate rainfall



**SOIL TYPE** Clay



MANAGEMENT Pasture beef



**TECHNICAL** Computer-based











FINANCE/INVESTMENT Mid

**MARKET** Local-rural

**SOCIAL** Full-time farmer



## **CONTEXT PROFILE** SWEDEN

Case Study: SE_14	Agroclimatic Zone									
Item (Key Innovation Elements)	Alpine	Atlantic Central	Atlantic North	Atlantic South	Boreal	Continental North	Continental South	Mediterranean North	Mediterranean South	
Training handling routines	+++	+++	+++	+++	+++	+++	+++	+++	+++	
Working with the flight zone	+++	+++	+++	+++	+++	+++	+++	+++	+++	
Improve structure of handling pen	+++	+++	+++	+++	+++	+++	+++	+++	+++	
Attention to cattle temperament	+++	+++	+++	+++	+++	+++	+++	+++	+++	
Farmer's consciousness and mindset oriented towards low-stress stockmanship	+++	+++	+++	+++	+++	+++	+++	+++	+++	



Generic information/not relevant



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## **Implementation Gaps**

- Lack of knowledge or mindset oriented towards animal-sensitive stockmanship
- Labour- and time-intensive practice

## **Research Gaps**

• Development of standard methods for screening temperament selection tools in cattle

- with humans
- routine



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## **Suggestions to Adapt**

• When introducing new cattle, pair them with individuals already used to interaction

• Establish a consistent feeding and handling

• Spend time around the cattle without always needing to handle them

## **COST-BENEFIT ANALYSIS**

#### **INVESTMENT COSTS**

Total initial investment costs at start up:

- Initial authorisation costs (e.g. sanitary, veterinary, etc.)
- Initial advisory costs
- Initial buildings and machineries
- Initial certification costs
- Initial working capital (personal qualification, marketing and promotion, etc.)

#### **ON-GOING COSTS**

On-going advisory costs	
On-going certification costs	
On-going buildings and machinery costs	
On-going working capital	

#### **BENEFITS RELATIVE TO ORIGINAL SYSTEM**

#### • Economic

Reduction in energy consumption (electricity; fuel consumption)

Reduction in input use (fertilizers; pesticides; feed) etc.

Payback period

Product value added

Additional farm income through agroecological/agri-environmental payment schemes

• Environmental

Animal feed self-sufficiency increase

Biodiversity increase

Improved nitrogen cycling

Soil regeneration

Animal health and welfare improvement

• Social

Workload reduction

Engagement of young generation



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mid

not applicable/not known

not applicable/not known

high

not applicable/not known

high

not applicable/not known

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not applicable/not known

high

high

not applicable/not known

not applicable/not known

#### low

not applicable/not known

not applicable/not known

not applicable/not known

#### low

not applicable/not known

low

not applicable/not known

low

low

## Literature

## German

• Consultancy in Low-stress stockmanship (in German): <u>https://www.stockmanship.de/</u>

## English

- <u>https://doi.org/10.1111/rda.12436</u> (reproductive performance)
- <u>https://doi.org/10.15232/S1080-7446(15)31783-6</u> (reducing handling stress)
- <u>https://doi.org/10.1016/j.applanim.2019.01.001</u> (training animals)
- Training courses (English): <u>https://www.stockmanship.eu/</u>

