The pursuit of the flavor producing lactobacilli throughout the dairy value chain; from forage plants to the matured cheese

Thomas Eliasson

A short biography

Grew up in Kiruna

- Small dairy farm at home

Moved to Umeå

- Worked at a commercial farm
- Studied agriculture
- Worked part-time at Norrmejerier

Academic career in Uppsala

- Agronomy with focus on Animal Science
- Worked half-time at Arla
- One year abroad in Canada



Norrmejerier "The Northern Dairy"

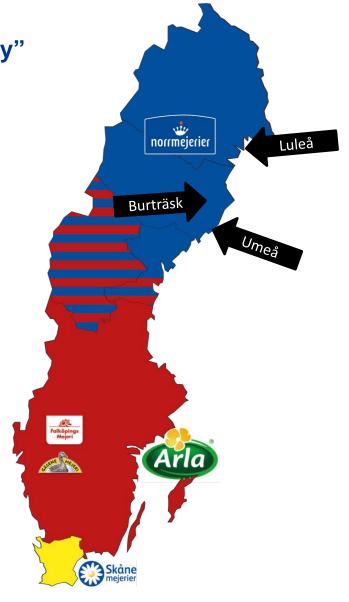
Owned by 400 dairy farmers

- 60 cows/farm

200 000 ton milk/year

- 7 % of Swedish production
- Half into cheese

Three main locations







The production of hard cheese



On-going research

Farm

Milk

Cheese

Management

Microflora

Microflora

Feed

Chemical properties

Sensory properties

The project

First part

SLU Field Research

Forage

- Location

- Harvest time

Silage

- Additives



Second part

SLU Röbäcksdalen

- Silages (Field research)
- 120 cow feeding trial
- Milk collection

Norrmejerier

- Cheese making
- Cheese maturation
- Effect of milk processing

The project group



Åse Lundh

Main supervisor

Molecular Sciences
SLU, Uppsala



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Horacio Gonda
Supervisor
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The project got a jump start



Work in progress...





Where I am now









Thank you!

