

Changes in production circumstances

2008-2016
and in the future

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Breeding goal

Affected by:

- State of the art – production, health, stillbirth ect.
- Price relations – milk vs feed
- Structural changes in milk production – herd size
- New techniques - Heatime
- License to produce – society – Nitrogen/Phosphorus
- New traits – feed efficiency

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Inputs from you!

- You have worked within country/breed
- We will summarize inputs across countries/breeds

Goal with group work: Inspiration and common understanding -> starting point for common prioritization

– Respect for national differences, but necessity for common calculations

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Milk – quantity and quality

- Trends in global markets
- Demand from Dairies:
 - Milk/fat/protein
 - Casein variants
 - Lactose
 - Fatty acids
 - Coagulation

Plus input from Juha Nousiainen, Valio

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Society demands

- Climate friendly cow
 - Methane
 - Nitrogen/phosphorus
- Etics/ human and cow health
 - Decreasing use of antibiotic
 - Activists - vegans
- More "natural" cows
 - Pasture
 - Healthy and long-lasting animals

Plus input from Mikka Stenholdt Hansen, Arla Foods

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Sexed semen/beef semen

Sexed semen:

- Much higher use than 2008 – increasing in future
- Large differences between countries?

Beef semen:

- High use – also in the future
- Increased value of meat production – pure breed?

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Other

- AMS
 - Higher level than 2008 – stabil in future
- Organic production
 - Increasing (yes/no)
- Barn system
 - Less tie stall and more loose house
- Herd size
 - Increasing, need for more homogeneous and easy-going cows

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New traits

- Feed efficiency
 - Smaller cows?
- Polled
 - Increasing interest (yes/no)

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Group work

Discuss categories of inputs in relation to:

- Common effect across countries
- Magnitude of change (2008 – future)
- Don't consider how it affects breeding goal!!

Group in 3 classes

- 1: Large expected change in all countries
- 2: Some expected change in some countries
- 3: No/small expected change

+ give comments that elaborate your answer

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Changes in production circumstances

Condition	Group (1-3)	Comment
Trends in global markets		
Demand from Dairies		
Climate friendly cow		
Etic/health		
More "natural" cows		
Sexed semen		
Beef semen		
AMS		
Organic production		
Barn system		
Herd size		
Others		

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