Changes in production circumstances

2008-2016
and in the future

Breeding goal

Affected by:
• State of the art – production, health, stillbirth etc.
• 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
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

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
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

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?
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

New traits

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

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<tr>
<th>Condition</th>
<th>Group (1-3)</th>
<th>Comment</th>
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