

Introduction to groupwork

Status for CFIT and methane data

NAV communication group
18. January 2024

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Group work information

Timeframe

- 13.30 – 14.15
 - Climate discussion
- 14.15 – 14.30
 - Coffee
- 14.30 – 15.00
 - Breed specific discussion
- 15.00 – 15.20
 - Feedback from groupwork

Breed	Room	Chair-person	Secretary
Holstein	1&2	Jonny Nielsen	Carolina Markey
RDC	20	Morten Hansen	Terhi Vahlsten
Jersey	22	Bent Olesen	Jakob Lykke Voergaard

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Feed efficiency data

CFIT data	Number of cows	Data in evaluation
Holstein	5,200	4,012
RDC	4,500	3,279
Jersey	4,000	2,395
Total	13,700	9,686

- Mainly data from Denmark
- CFIT data is from 2018 and forward, while most data is from 2020 and forward
- CFIT is installed in 1 herd in Finland – No data yet
- Investigating the possibility to install CFIT in Swedish herds

Other feed intake data

- 645 RDC cows from Finland (2006 – 2021)
- Approx 12,000 Holstein cows mainly from research herds in 6 countries. Mix of old and new data, in average less valuable as CFIT data

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Methane data, Denmark

	Total cows*
Overall	~10,000**
Holstein	~5,400
RDC	~1,100
Jersey	~2,500
Crossbreds	~1,000

*Minimum 30 milkings

** 11,000 cows if all cows with registrations are included

- Registrations from 28 herds
- Sniffer machines
- Permanent in 3 CFIT herds
- 6 Sniffer transportable
 - 10 Sniffer soon ready
 - 12 Sniffer ordered
- 3 herds with data collected in 9-24 months
- 900 cows from DKC
- The rest of the herds have collected data in 2-6 months

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Methane data from Finland and Sweden

Finland

- Data from 300-400 RDC cows
- The equipment used for the measurement of methane are:
 - SF6
 - Respiration chamber
 - NG Guardian concentration measures (sniffer)
 - F10 Photoacoustic concentration measures (sniffer)

Sweden

- GreenFeed data since 2013 from the research barn Umeå
- ~ 50 RDC cows per year ~ 500 RDC cows in total
- GreedFeed in Viken 2022
 - 26 Holstein cows for 7 weeks

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What can you do?

- You all have a responsibility
 - To increase registrations and collect climate data
- You have political influence in many different organization
- You can put the topic on the agendas
- You can push in the discussions to get more data

**Breeding take many years.
Action now have an effect in 10-15 years.
We need to get started on more climate registrations**

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Questions for climate discussion

- How do we get more climate registrations as methane and feed intake from all three countries?
- How can we faster get more data related to climate?
- How do we coordinate data collection and data type across countries?

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Breed specific discussion

- Holstein:
 - Udder conformation
 - Saved feed
- RDC:
 - Genetic evaluation for yield
- Jersey:
 - Effect of Y-sexed semen and replacement rate on NTM weights
 - Standard deviation of NTM

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