# Gårdrapport
## – slagtekalve hos xxx (anonymiseret)

Ministeriet for Fødevarer, Landbrug og Fiskeri

gudp

STØTTET AF

Kvægafgiftsfonden

November, 2025

SEGES INNOVATION

# WP4. Farm trials

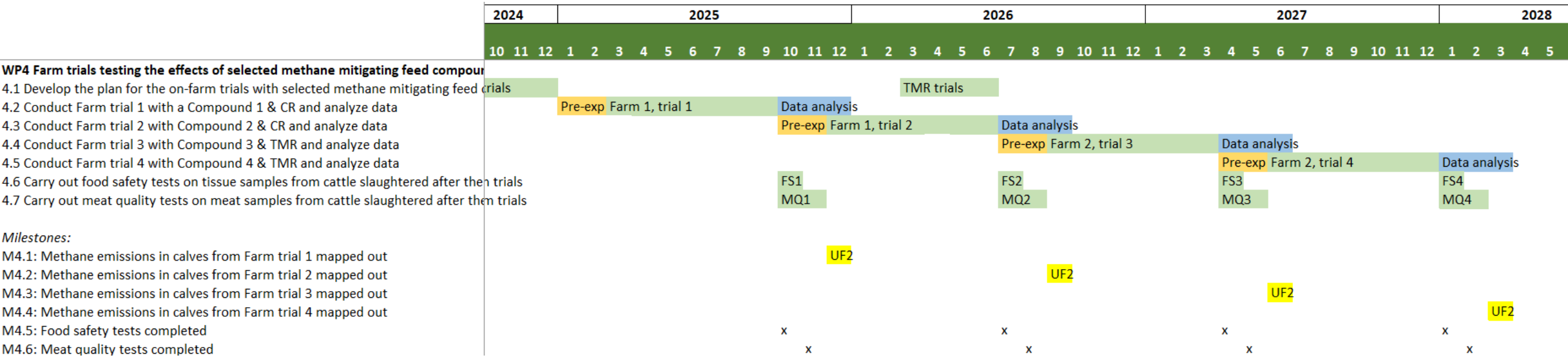
***Aim:*** To test the effects of 4 feed compounds with methane reduction potential (red algae, SilvAir, Bovaer, Agteria) on enteric $CH_4$ emissions and growth performance in Danish calves on-farm.

***Activities:***

| | |
|---|---|
| | Conduct on-farm trials to test the effects of selected feed compounds on enteric methane emissions from growing calves fed a TMR and a CR. |
| | Carry out food safety and meat quality tests on tissue samples from cattle slaughtered after the farm trials. |
| | Calculate the production economy of feeding methane-reducing compounds to Danish calves. |

***WP leader:*** Nicolaj Ingemann Nielsen (SEGES)

# Farm trials in 2025-2027

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# Activities

- Implementing feed additives and ‘correct dose’ in the ration
- Measure gas emissions ($CH_4$, $H_2$, $CO_2$)
- Measure feed intake & gain
- Testing feed additives on farms with concentrate/straw & TMR
- Analyse data and calculating reduction potentials and economy
- CH4 emissions from calves compared to AU-baseline
- Food safety and meat quality (DC & partners & soon AU-Food)

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# Farm trial started in February 2025 - Bovaer


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# Farm 1

- Concentrate + straw
- Holstein & Holstein*Beef
- Test of Bovaer to
  - small calves (175 kg)
  - Medium calves (275 kg)
  - big calves (400 kg)
- Bovaer in concentrate (53 mg/kg concentrate)
- Food safety and meat quality from calves with long term Bovaer feeding (no results today, but meat samples taken at DC Holsted)

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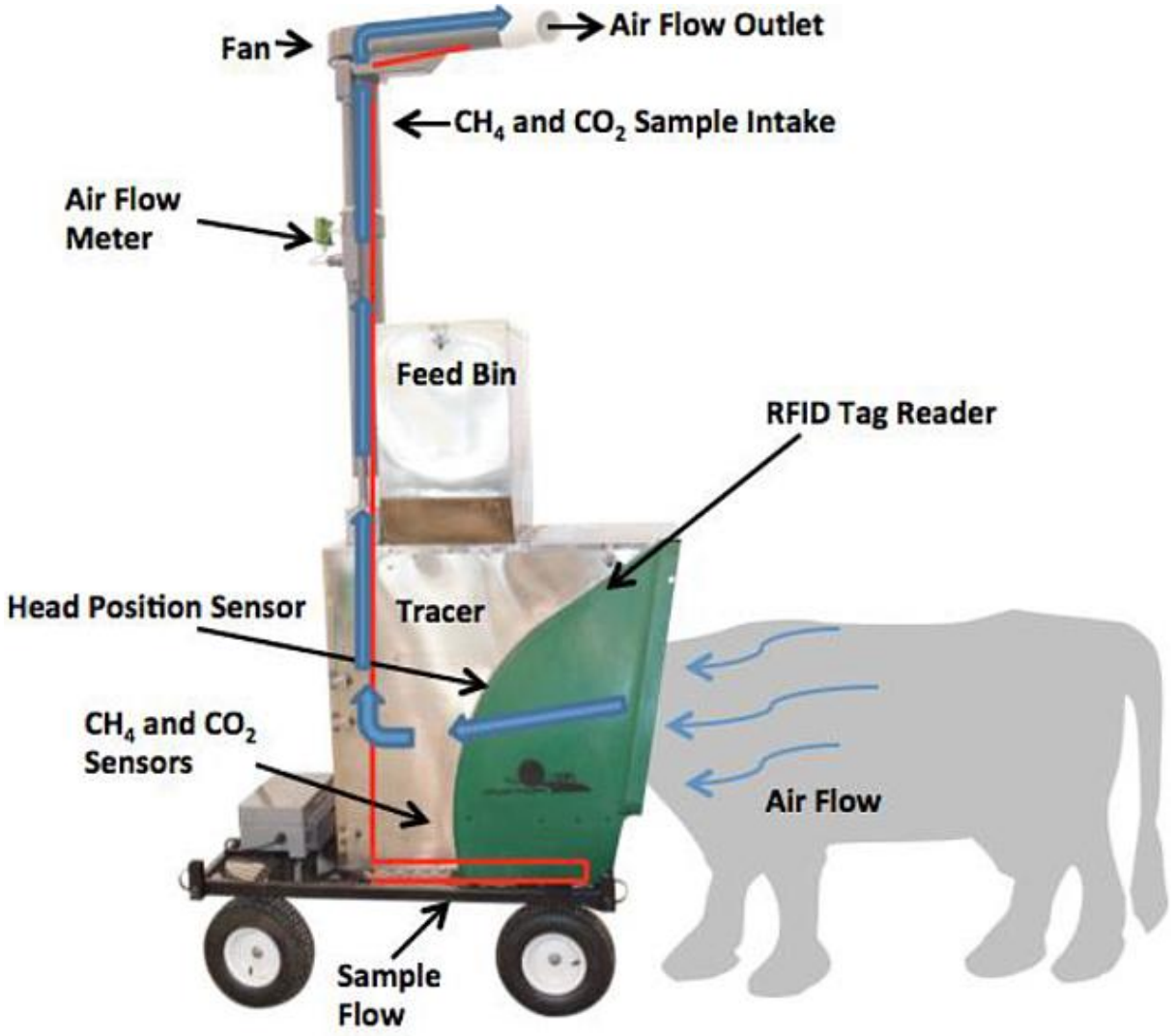
# Can we use GF when feeding concentrate ?

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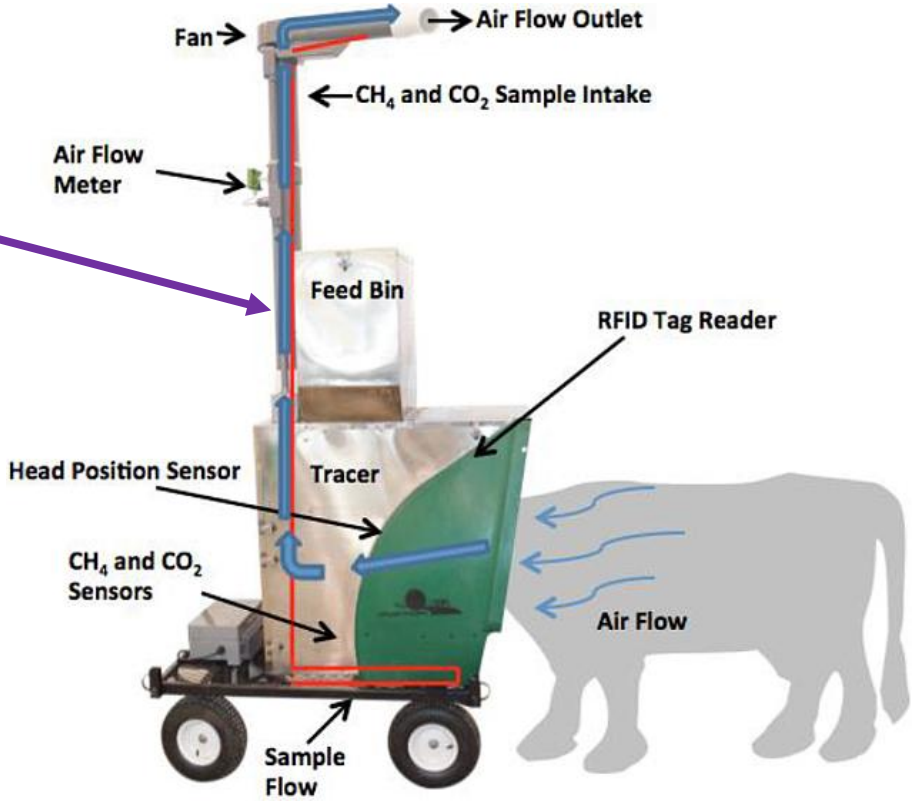
# Testing DLG concentrate with good palatability was a trial within the trial!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# Bovaer is not EFSA-approved for young stock! BUT

- Dispensation from Fødevarestyrelsen
- Accept from Danish Crown to receive calves
- Bovaer is supplied via compound feed in a low dose!

BAT AGRAR

Produktinformation

**BAT SM Damkjær Slut DK BV 60**
Tilskudsfoder til kalve

Analytiske bestanddele
Råprotein 16,0 %; Råfedt 2,6 %; Træstof 8,3 %; Råaske 6,8 %; Calcium 1,01 %; Fosfor 0,42 %; Natrium 0,31 %; FEk kvæg 0,96 FE; Net Energi laktation NEL 6,9 MJ; AAT NorFor 116 g; PBV NorFor 11 g; NDF 225 g; Lys_AAT 6,7 % af AAT; Met_AAT 2,2 % af AAT;
Beregnede værdier pr FEk
Ford. råprotein 129 g; Fedtsyre 21 g; Ford. cellevægge 232 g; Stivelse 290 g; Sukker 63 g;

Tilsætningsstoffer pr kg:
Enæringsmæssige:
11400 I.E. Vitamin A (3a672a); 1140 I.E. Vitamin D3 (3a671); 98 mg Vitamin E (3a700i); 89,0 mg DL-alpha-Tocopherol (3a700); 12 mg Kobber som (3b405) Kobber-(II)-sulfat, Pentahydrat; 57 mg Zink som (3b603) Zinkoxid; 57 mg Mangan som (3b502) Mangan(II)-oxid; 0,95 mg Jod som (3b202) Calciumjodat, vandfrit; 0,34 mg Selen som (3b801) Natriumselenit; 0,03 g Svovl;
Zootekniske:
53,00 mg 3-nitrooxypropanol (4c1);

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# Greenfeeds & weighing scales in place

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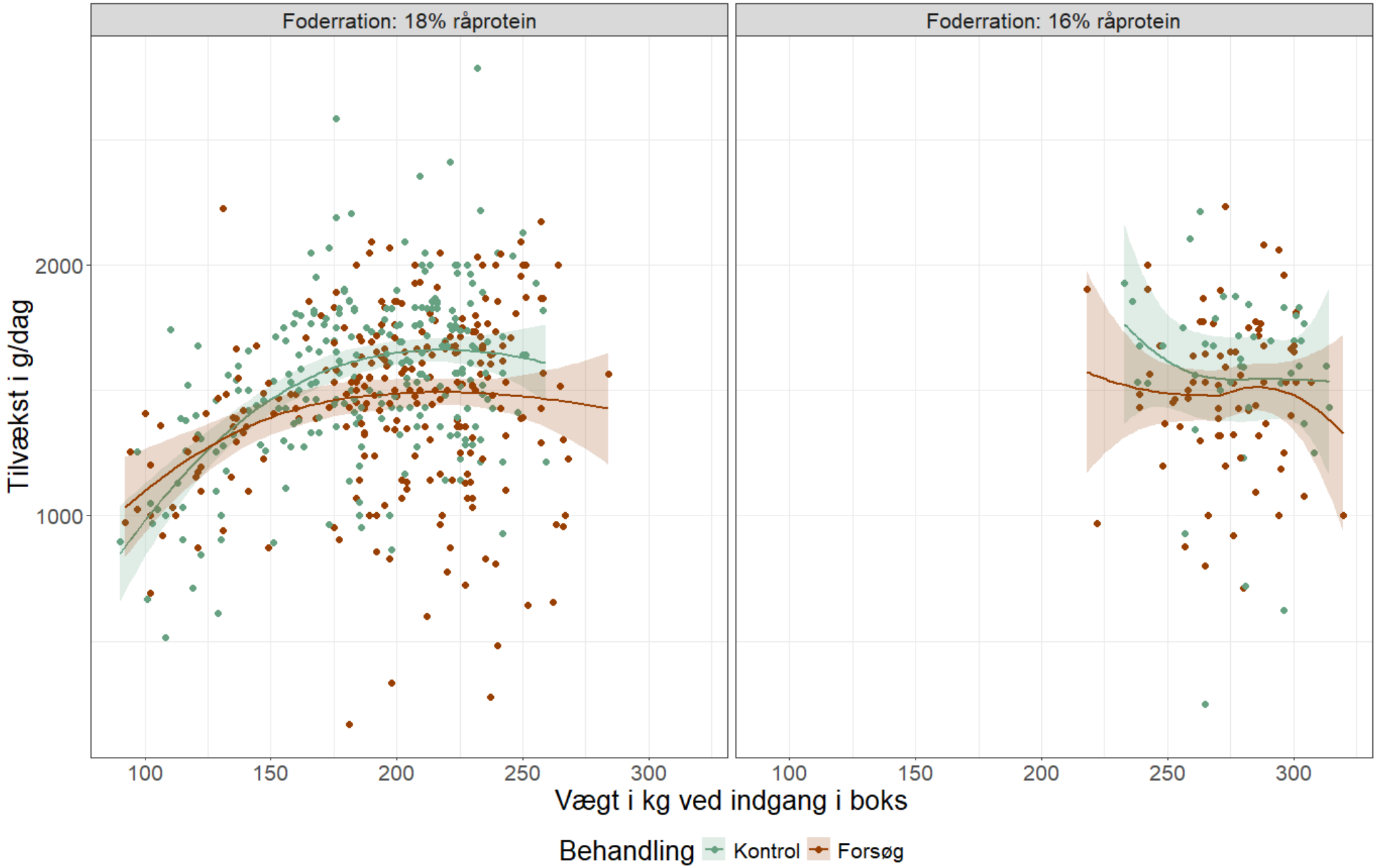
# Gennemsnitlig tilvækst pr. kalv i boks, behandling og periode



# Daily gain (preliminary)

- Model:

$$tilvækst = behandling_i + ration_j + vægt_{ind} + krydsning_k + U_{hold:boks} + \varepsilon$$

| Model | Antal observationer | Antal hold | Kontrol | Bovaer | P-værdi |
|---|---|---|---|---|---|
| Tilvækst i g/dag | 624 | 42 | 1566 | 1450 | 0,016 |

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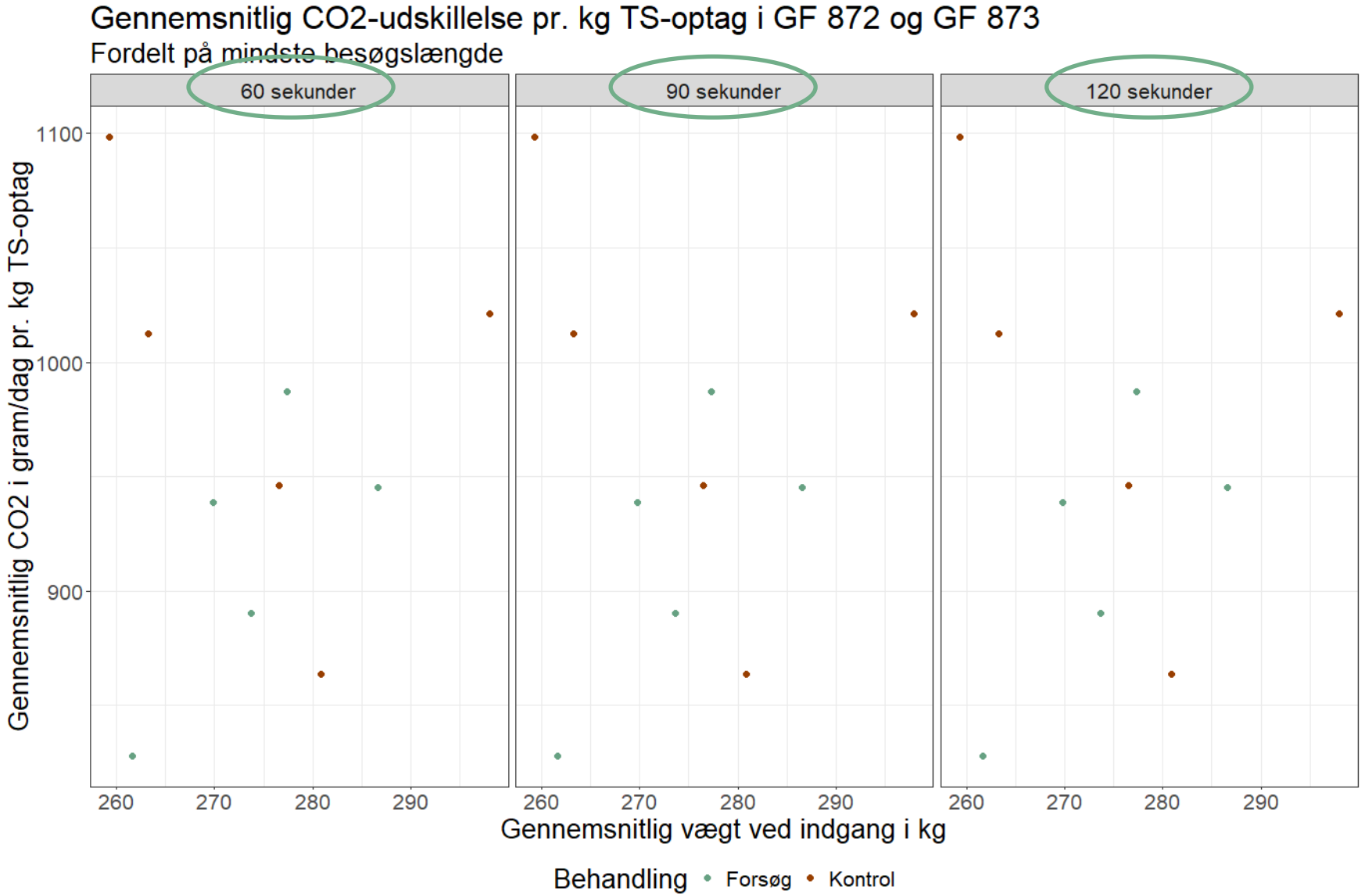
# Gas data is a challenge

## – dialog with C-lock - analysis will continue….

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# EFSA are re-evaluating Bovaer

## EU skal revurdere godkendelsen af Bovaer

Efter dialog med de danske myndigheder har Kommissionen igangsat en revurdering af, om Bovaer fortsat skal være godkendt i EU.

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## Specific objectives

- **Specific Objective 1: collection of data from dairy farms using 3-nitrooxypropanol**
  EFSA is looking for data related to the health status and zootechnical performance of dairy cows and cows for reproduction in farms using the feed additive 3-nitrooxypropanol. The data, collected at farm level, should be preferably related to the periods before the use of the additive, during the use of the additive and, if relevant, after the suspension of the use of the additive.

## Call for data on the use of 3-nitrooxypropanol in ruminants

***Published:*** 3 February 2026 ***Deadline:*** 31 March 2026 - 23:59 (CEST)

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# Project GreenCalf



***Partners:***

SEGES INNOVATION

Danish Crown

dlg

AARHUS UNIVERSITY


***Co-partners:***

Nestlé

Cargill

Orkla

DSM

REMA 1000

MARIPURE
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