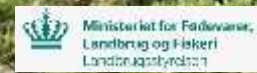


Technology for the sustainable agriculture of the future

- Inspirational meeting at Arla's Innovation Farm

Nicolaj Ingemann Nielsen
SEGES Innovation
Innovation Farm, 16. september, 2024



STØTTET AF
Mælkeafgiftsfonden



SEGES Innovation is private, non profit and independent R&D within Agriculture



- Farmers
- Advisory service
- Companies
- Universities

SEGES software/data

- DMS (cattle database)
- Mark Online (mark database)
- Ø90 (economy database)
- Farm Tracking (treatments in field)
- ESGreenTool (climate)



SEGES software/data

- DMS (cattle database)
 - EasyCow
 - SmartSlurry
- Mark Online (mark database)
 - Crop Manager
 - CRiskA
 - Planteværn Online
- Ø90 (economy database)
 - BusinessRate
 - Dashboard
 - Summax



DMS



- Favoritter
- Daglig styring
- Dagligt overblik (Dyreregistrering)
- Kritiske målepunkter
- Medicinregnskab
- Suppl. mælketests
- Hold og grupper
- NY + Analyse og lister
- + Foder
- + Planlægning
- + Opfølgning

Vælg driftsenhed | Bestilling | Udskrifter | Må slagtes? | Registrering

Driftsenhed: 77721 Kvæg

Øremærker | Gen. analyser | Oversigt | Undersøg | Kælvning | Indgang | Levebrug | Slagtning | Aflivning | Død | Behandl. | Behøvrige | Kliniske | Inseminering | Løbning | Drægtighed | Goldning | Klove | Vægt/Højde

Fokusdyr

<input type="checkbox"/> DAGENS BEHANDLINGER	REPRO-FOKUS KØER
DYR MED TILBAGEHOLDESESTID TIL SLAGTNIN	REPRO-FOKUS KVIER
<input type="checkbox"/>	OPFØLGNING KLOVE

Arbejdslister

Tilføj + ?

5 DAGE | 7 DAGE | 16 - 20 SEPTEMBER 2024

MANDAG	TIRSDAG	ONSDAG	TORSDAG	FREDAG
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Aktuelt

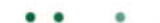
Indlæser Aktuelt.
Brug andre indlæste områder allerede nu.



Nyheder og driftsinformation

[Tilmeld nyhedsbrev](#)

Henter nyheder...



Nyheder fra Landbrugsinfo

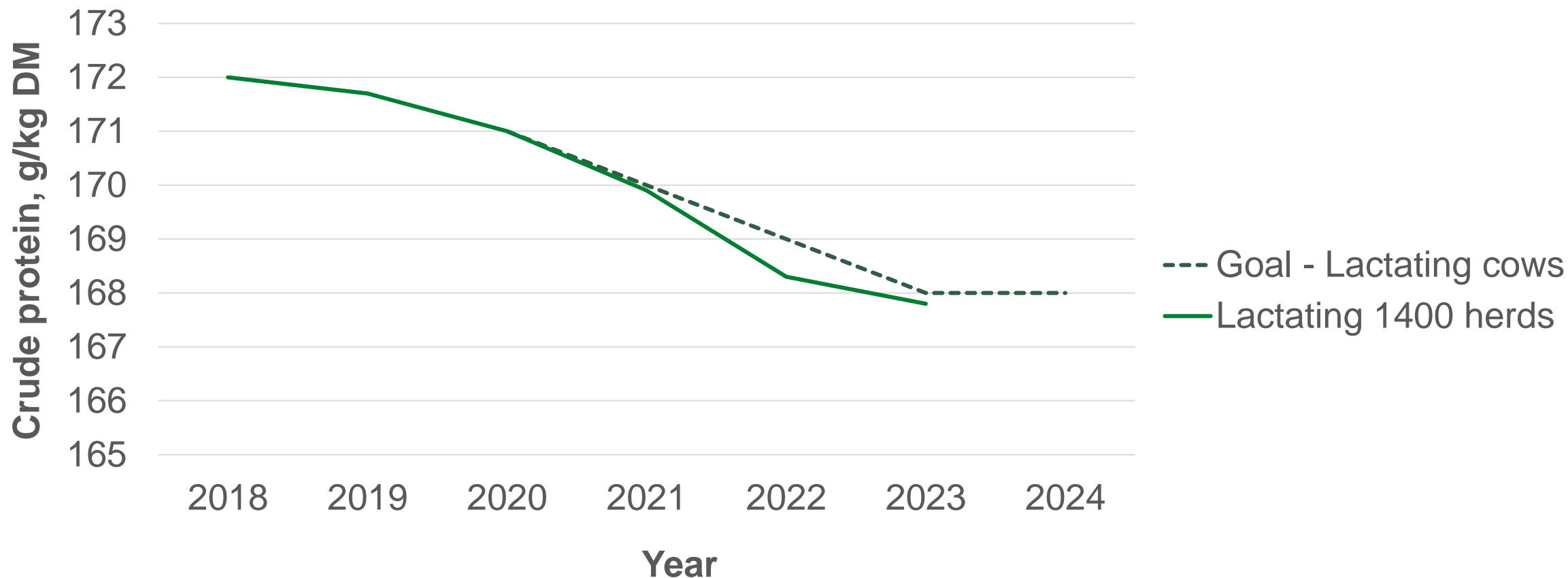
[Flere nyheder](#)

CP-level (g/kg DM) from dairy farms (Lactating cows, 2022)

	10%	25%	Median	75%	90%
Jersey, n=181	161	165	170	175	180
Large breed, n=1232	158	164	168	172	176

Ammonia emission is regulated in the EU

Law on protein level in diets vs voluntary agreement for Danish dairy farmers



Danish Climate Law puts pressure on the dairy sector



- 0,17 mio tons CO₂e in 2025 (6%)
- 1,0 mio tons CO₂e in 2030 (35%)

Farm trials focusing on decreasing enteric methane



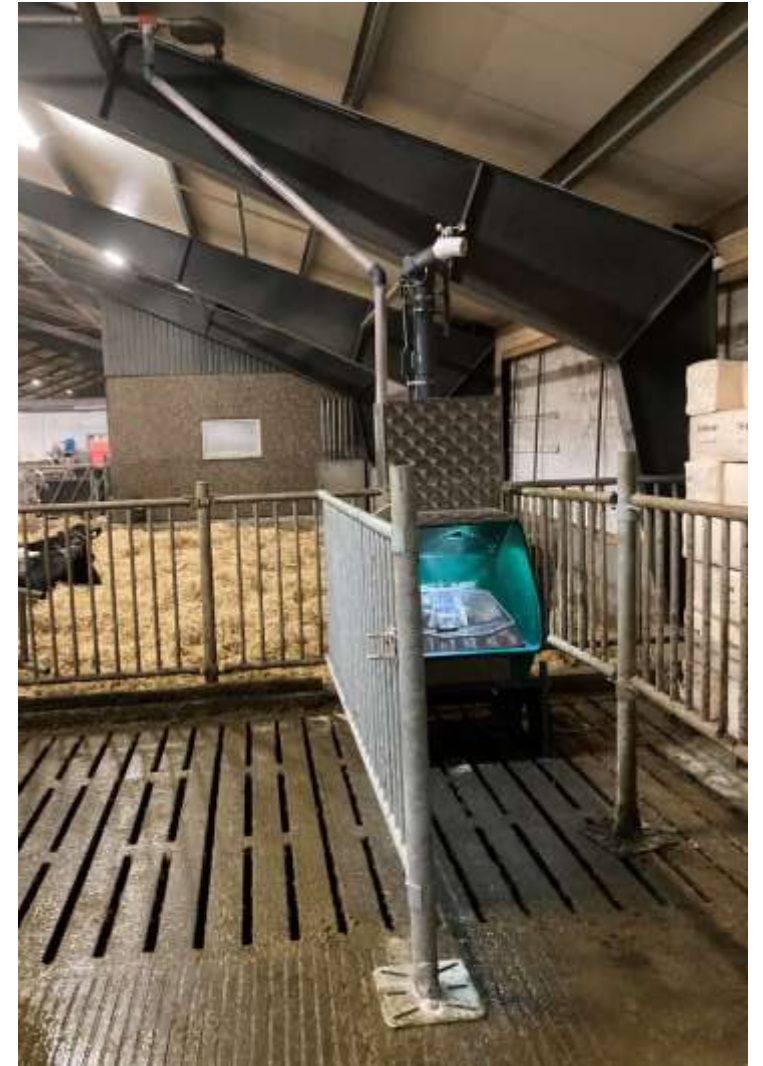
Feed additives implemented in different feeding systems



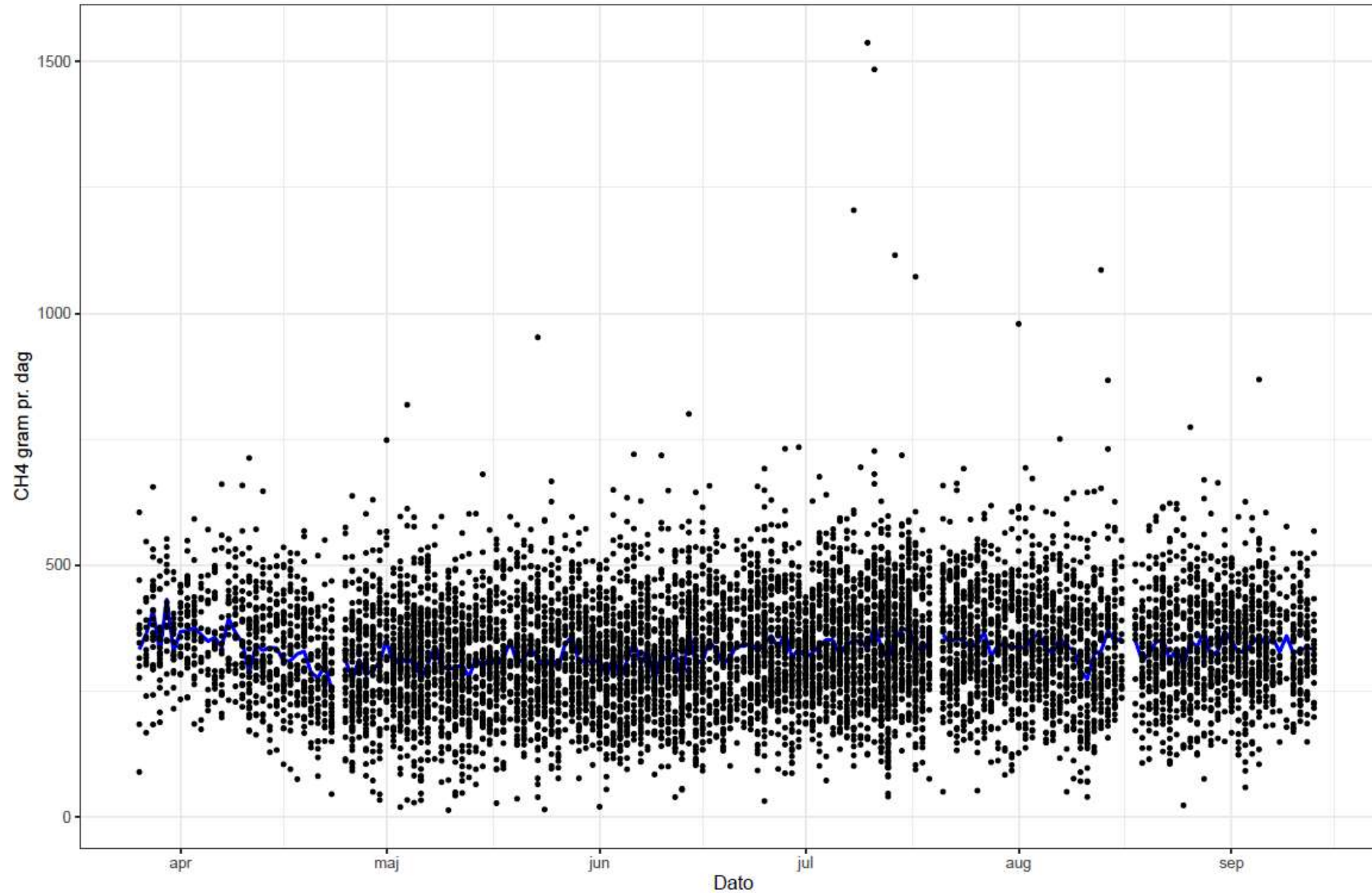
Installation of GreenFeed units in cubicles



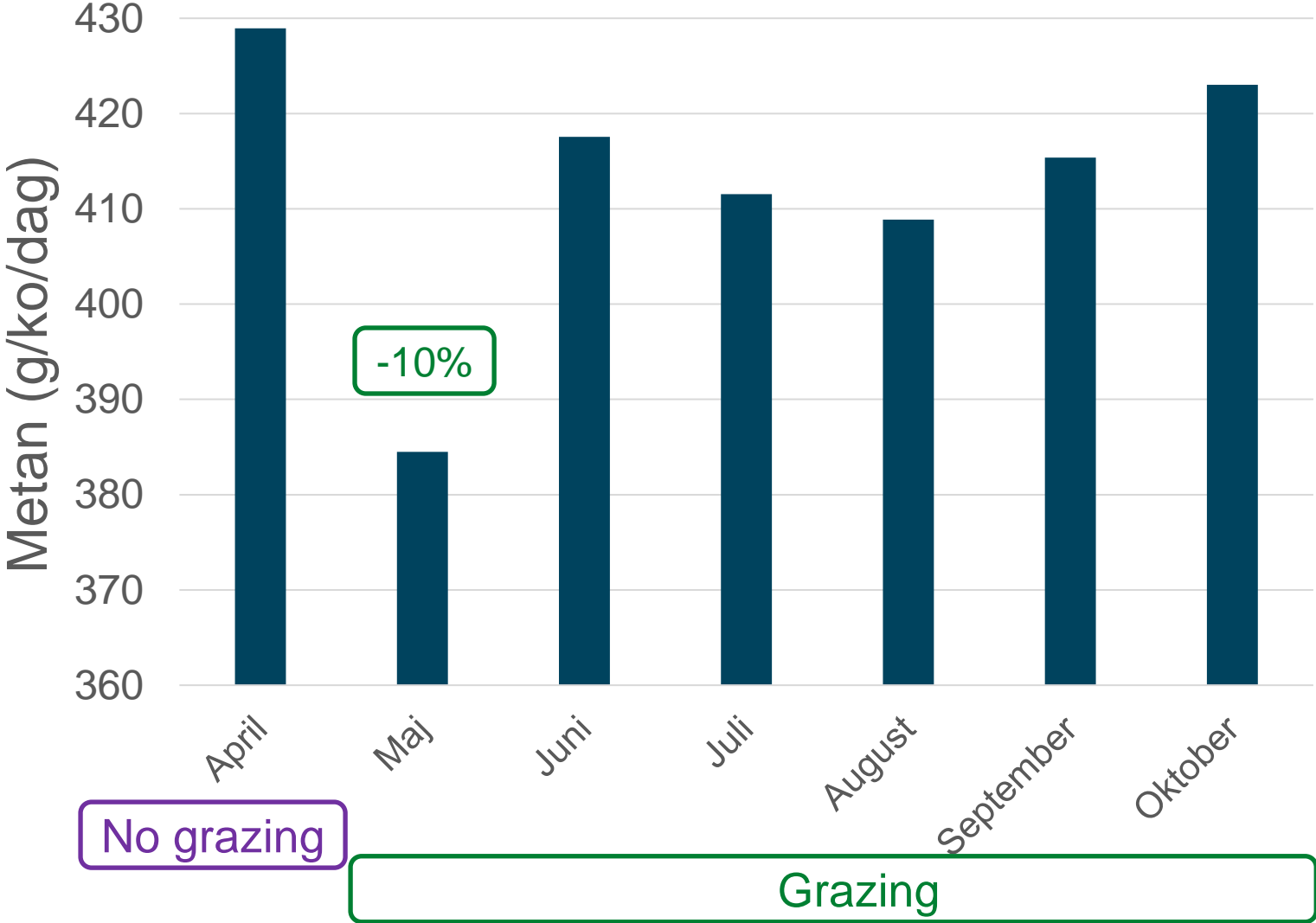
Installation of GreenFeed on slatted floors



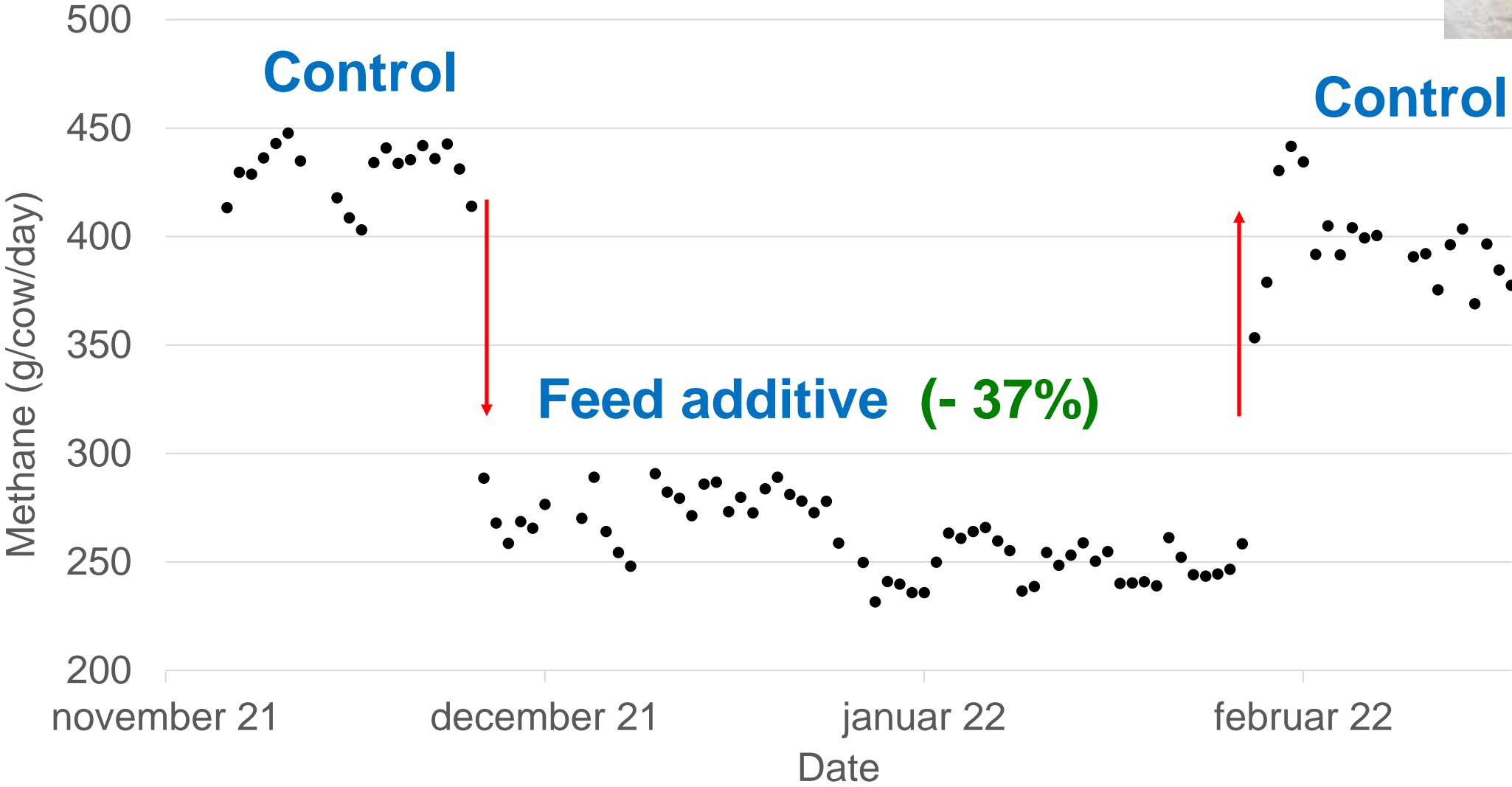
Methane measures on cow level



Effect of grazing on Methane on Innovation Farm



Effect of feed additive





Thanks to Dairy Farmers

Supported by Danish Milk Levy Foundation

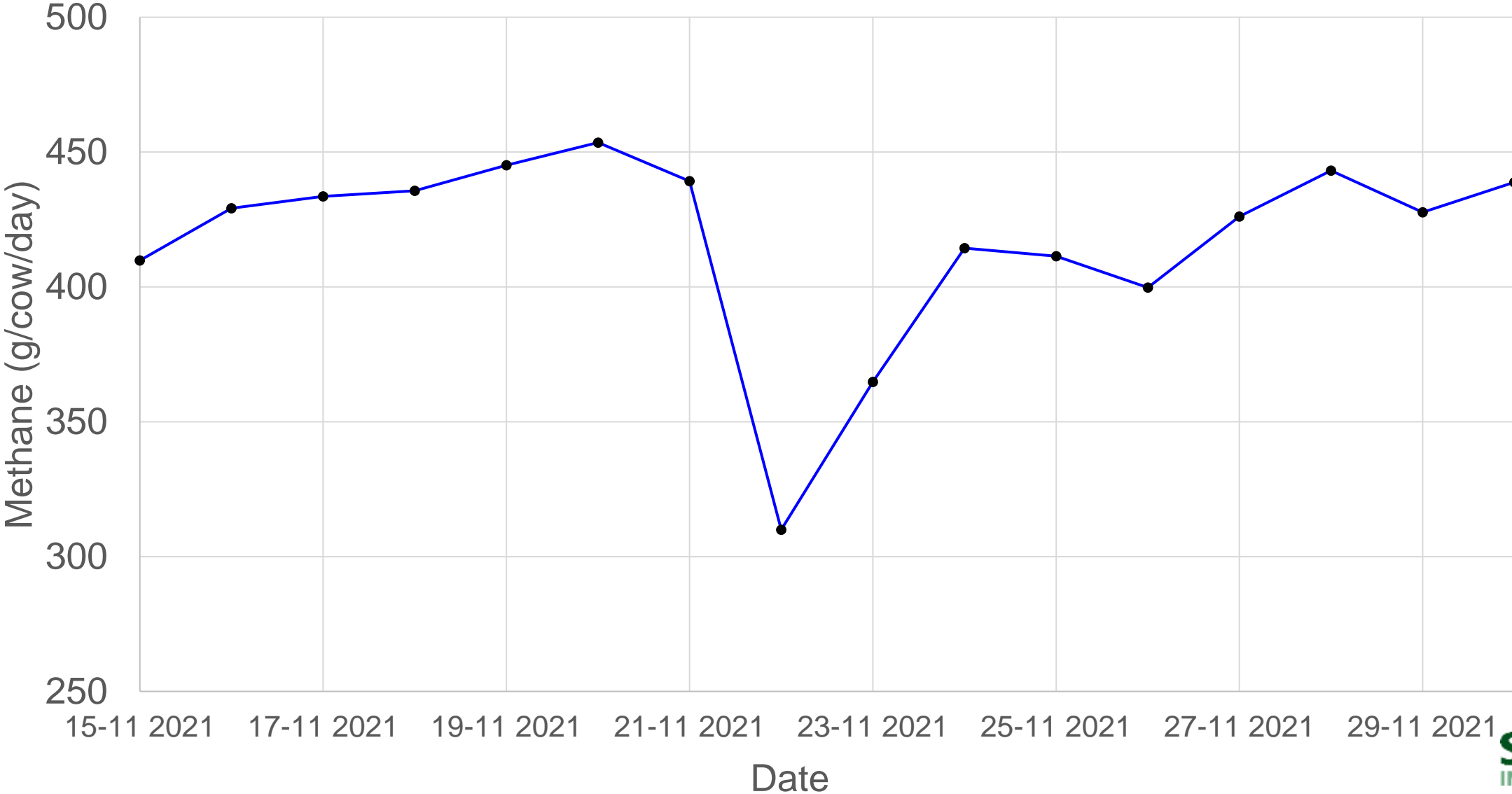




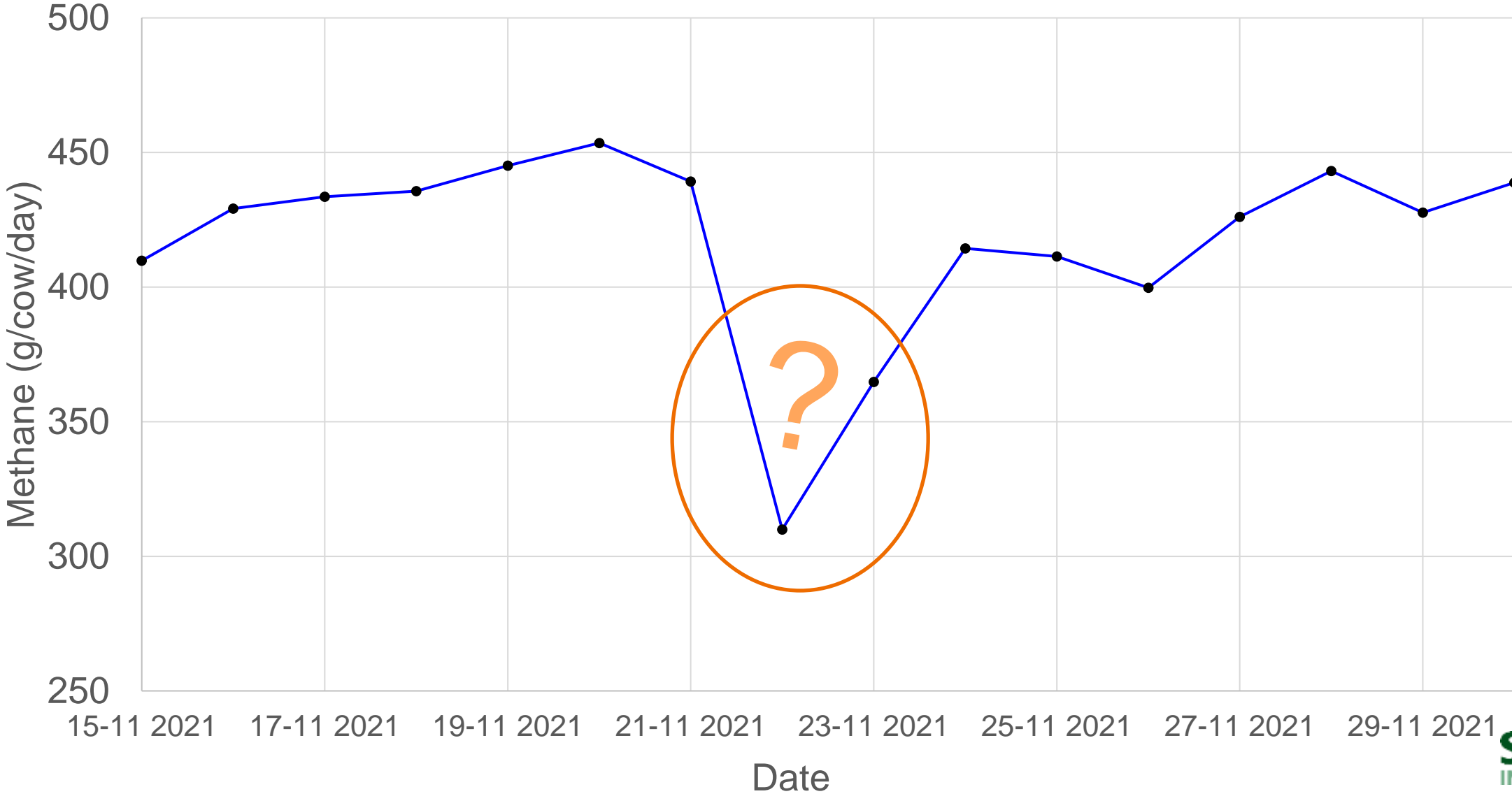
Thank you for your attention

ncn@seges.dk

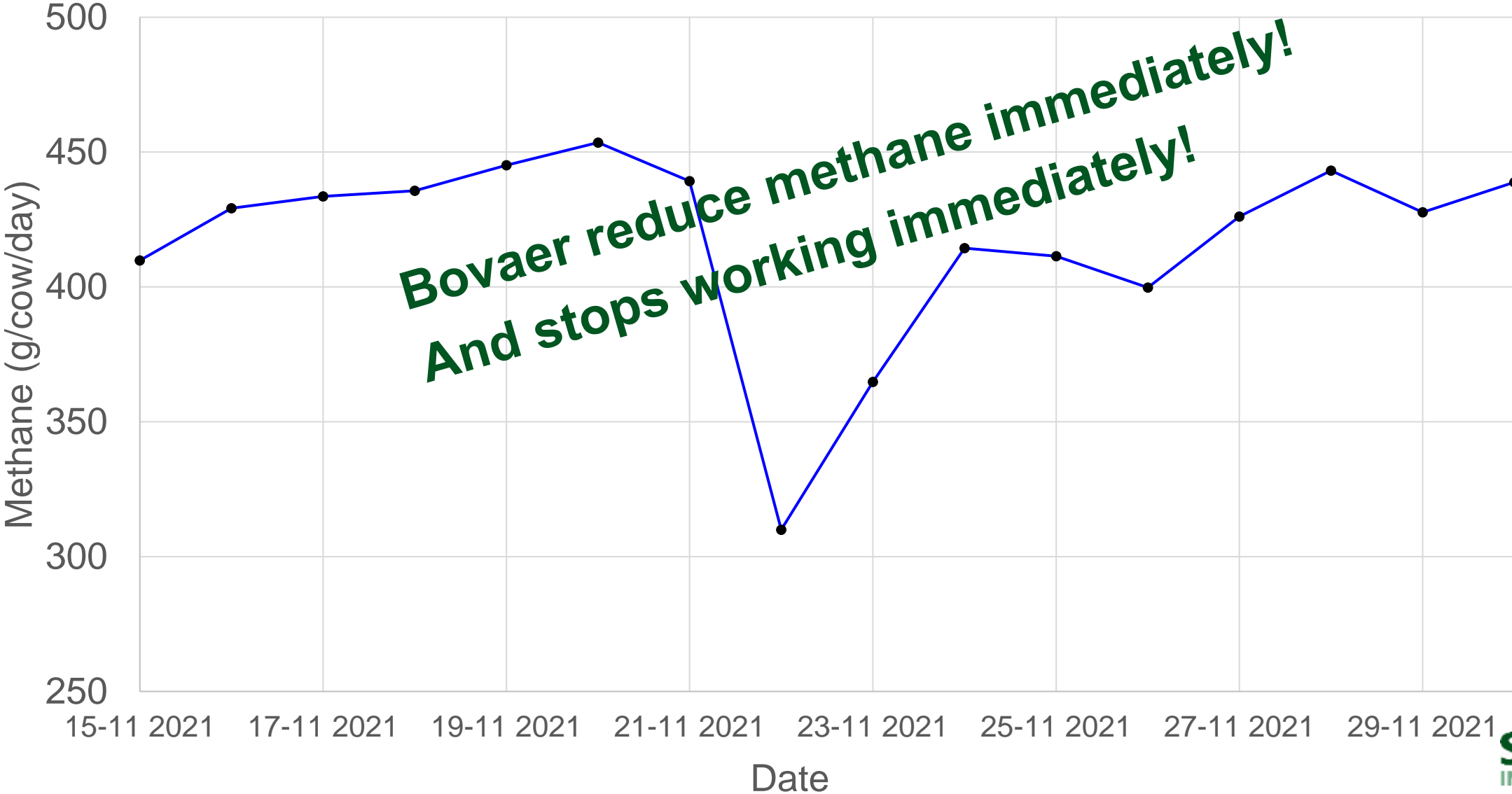
Experience from practice....



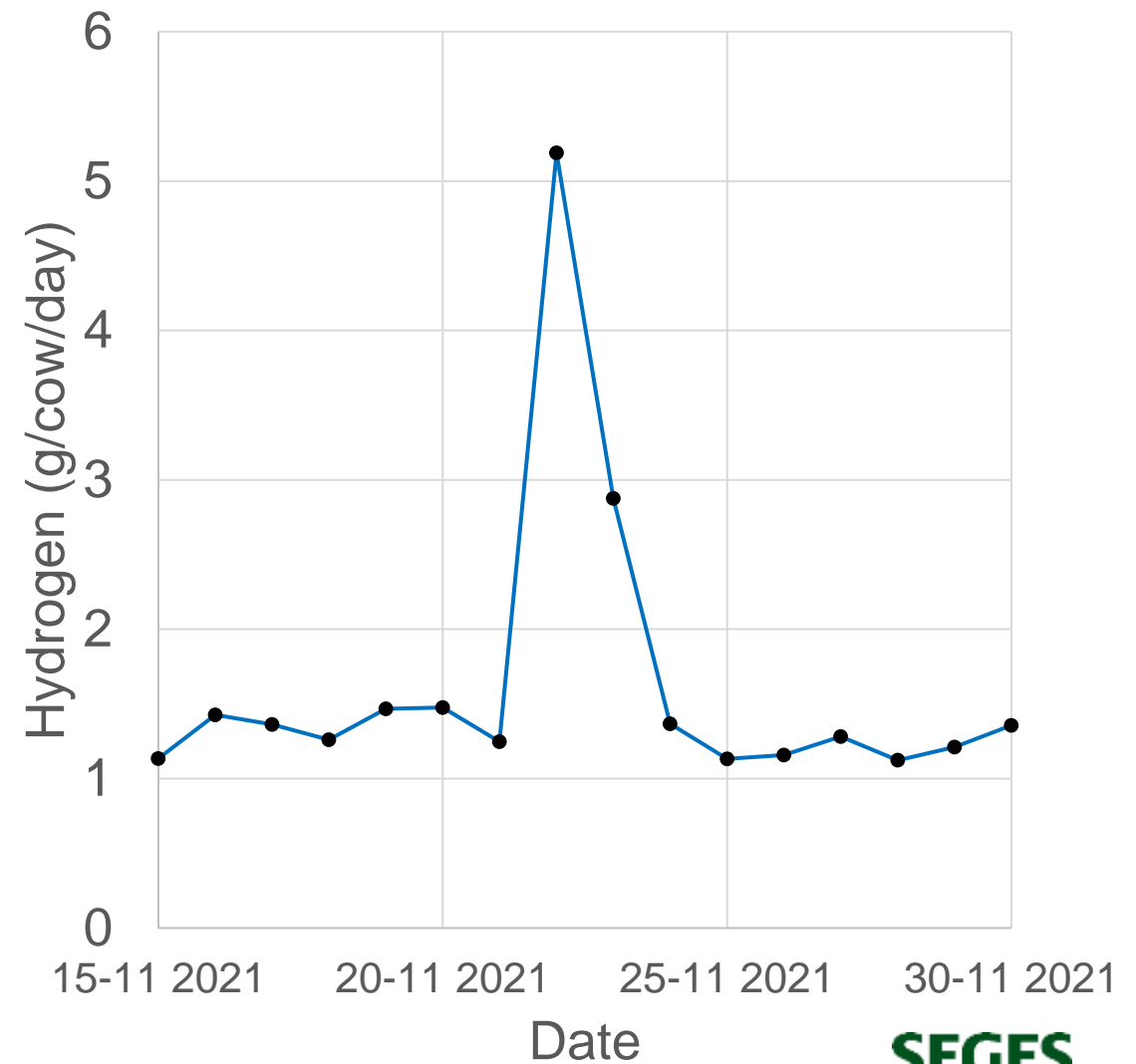
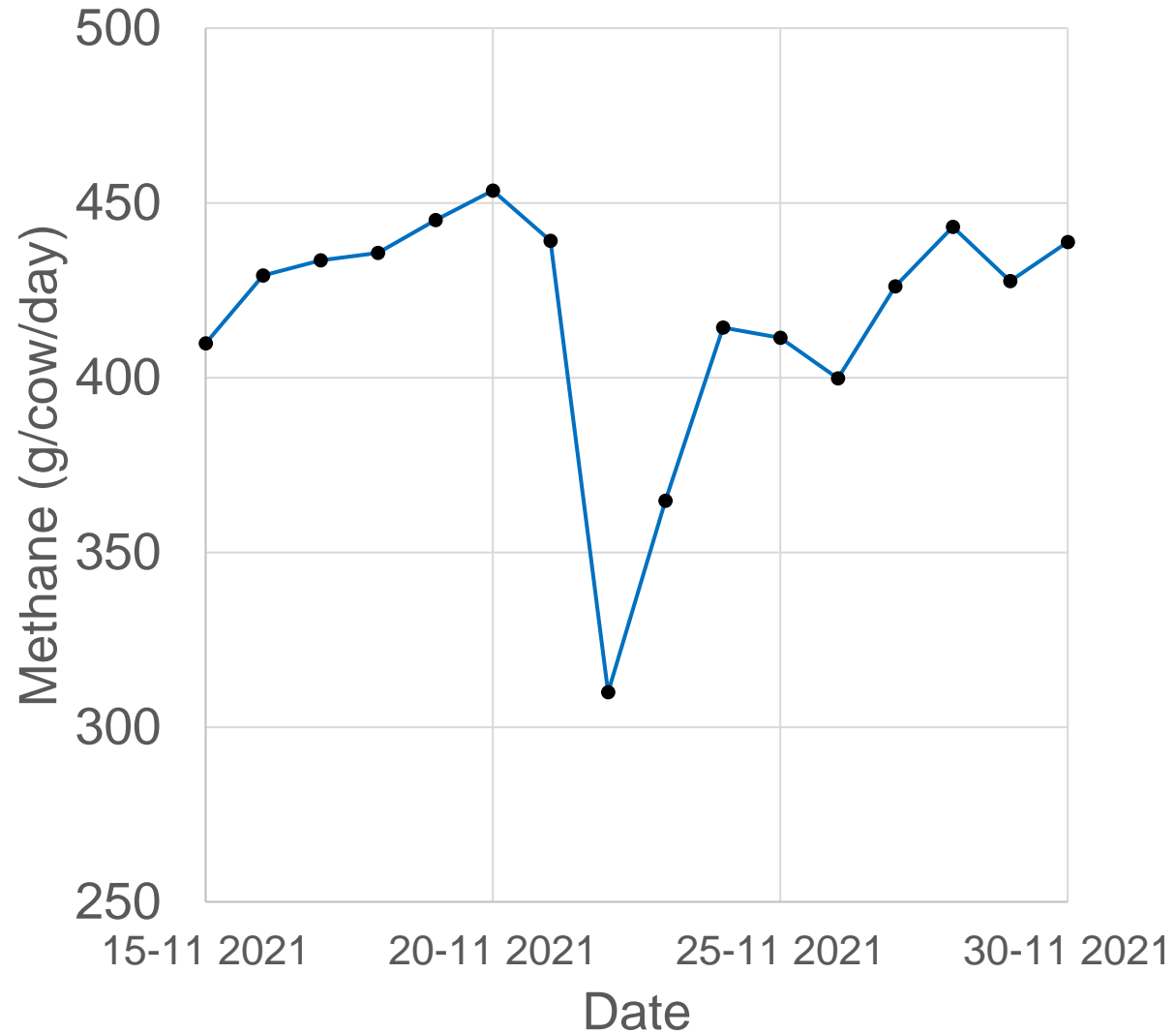
What happened on the 22nd of November ?



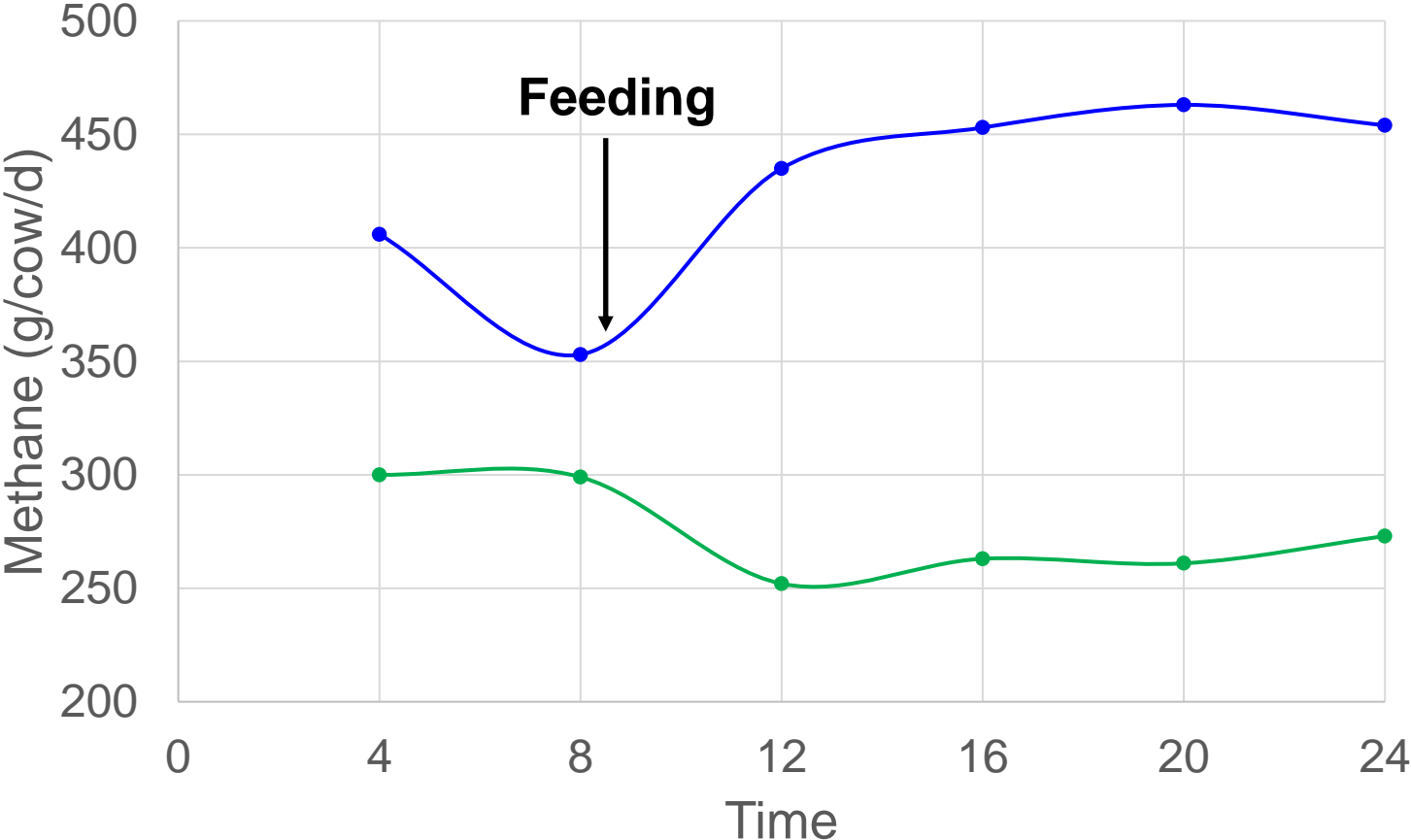
What happened on the 22nd of November ?



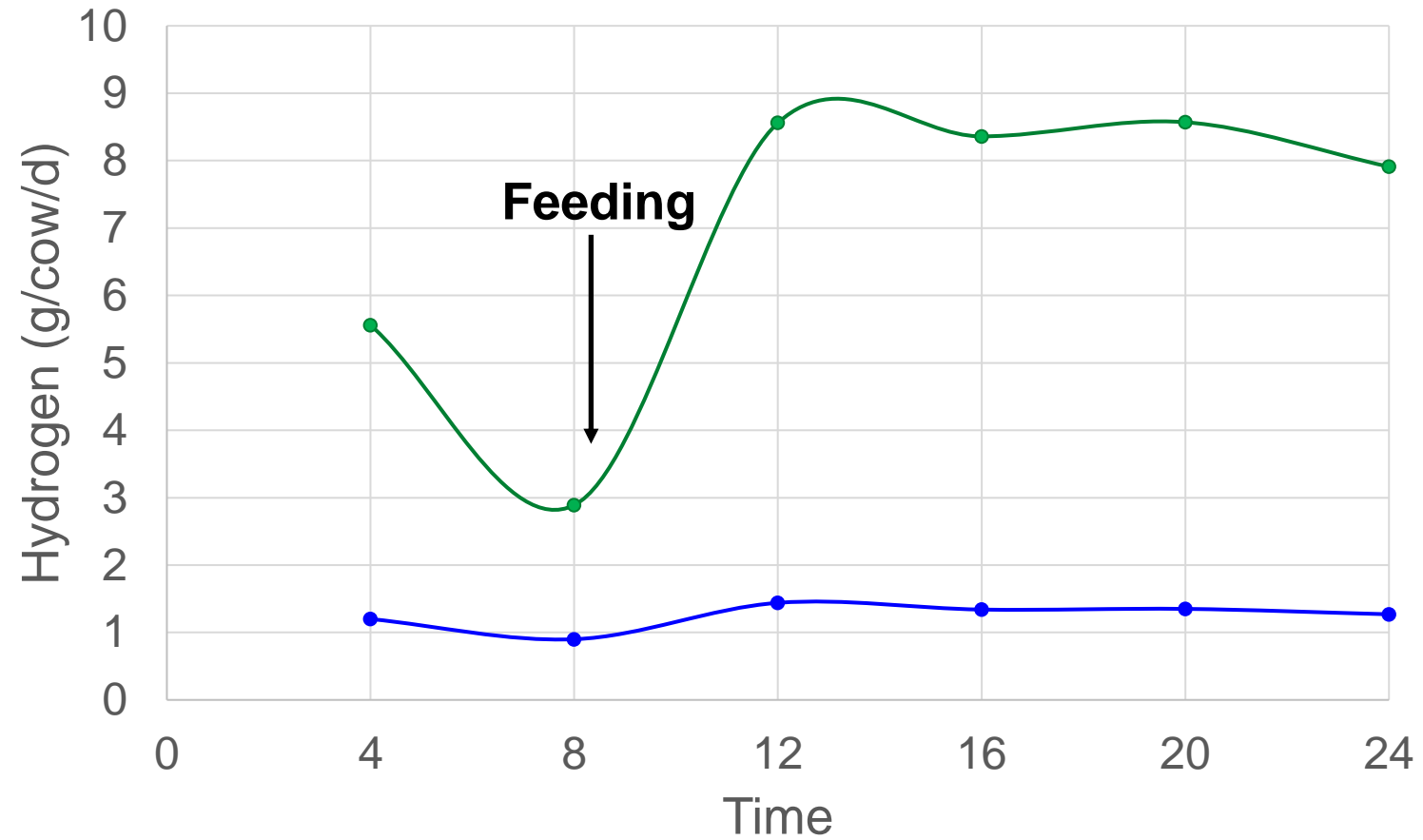
Same picture for hydrogen



Diurnal variation



Diurnal variation – hydrogen



Carbon footprint of milk calculated in NorFor

	Control	Bovaer
Carbon footprint (g CO ₂ e/kg ECM)	1062	907



15% reduction in carbon footprint of milk

Feed intake

