



NIBIO

NORSK INSTITUTT FOR
BIOØKONOMI

Methane emissions from Norwegian dairy cattle – a first look

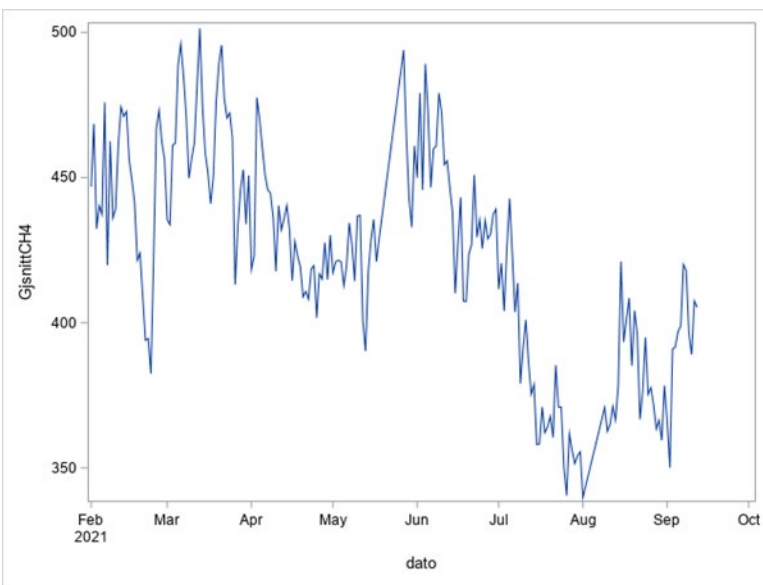
Grete H.M. Jørgensen, Karoline Bakke Wethal, Bjørg Heringstad and Vibeke Lind





Aim: to investigate effects of low barn air temperature on background and dairy cow methane production in Norwegian dairy farms

- Greenfeed data from 12 commercial farms, 579 cows
- Mean enteric methane measures across all 12 herds and months was 427 g/day (± 117 STD)
- Seasonal variation of methane production:
 - lower during summer months of June (400.8 ± 113.2 g/day) and July (395.4 ± 115.0 g/day)
 - higher production during winter (e.g. February: 444.1 ± 114.5 g/day)
- In conclusion: measurements from Norwegian dairy cows corresponds well with data from other countries. The effect of temperature and access to grazing on GHG production will be investigated further



Thank you for your attention!



The project has received funding from national research funding parties in Germany, Poland, Greece, Belgium, Ireland, France and Norway, in the framework of the 2018 Joint Call of three ERA-NET projects (i.e. FACCE ERA-GAS, ERA-NET SusAn and ICT-AGRI 2) on novel technologies, solutions and systems to reduce greenhouse gas emissions in animal production systems.

Data were obtained in collaboration with GENO and NMBU and the “Klimakua” project.



NIBIO

NORSK INSTITUTT FOR
BIOØKONOMI



NIBIO_no



NIBIO.no



NIBIO_no

www.nibio.no

