Nitrous oxide emission measurements in the Danish field trials

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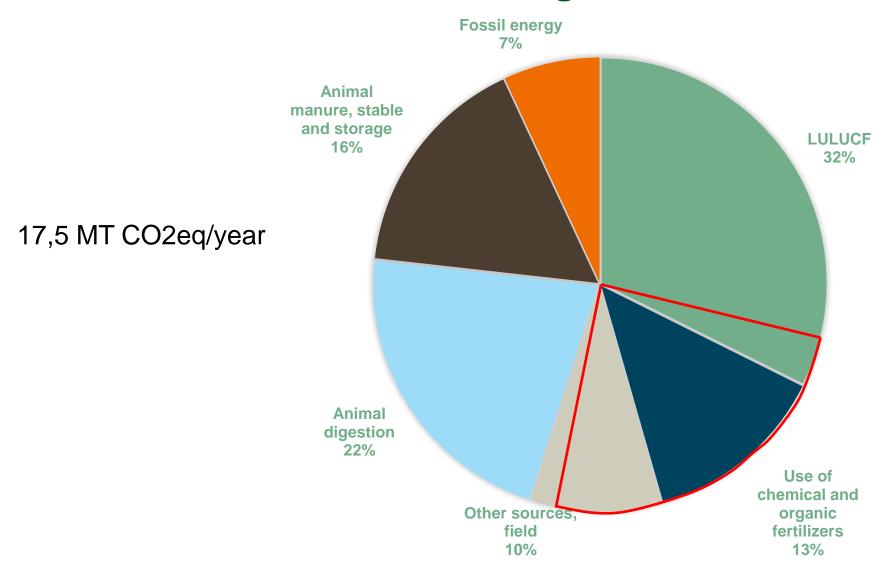








GHG emissions from Danish agriculture



 $N_2O \approx 28\%$

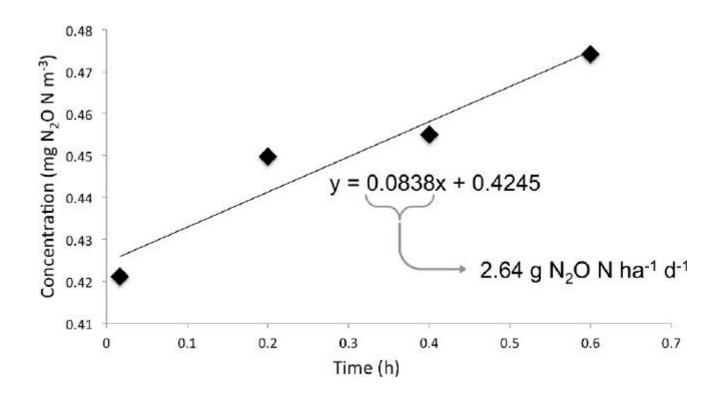


Purpose of the field trials

- Contribute data to support the development of disaggregated national emission factors for N2O
- Develop climate friendly fertilization and management strategies









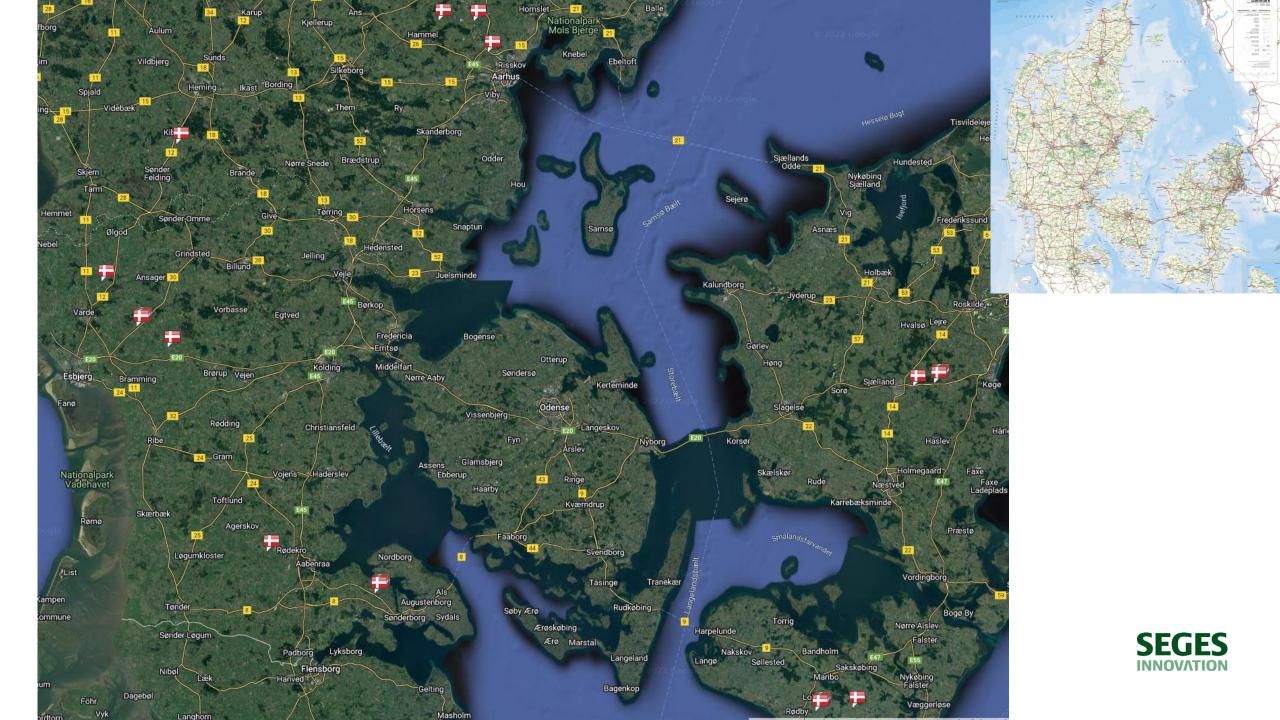
What did we measure N2O in in 2022?

- Spring barley, Winter wheat, potatoes, maize, grass, clovergrass, catch crops
- Nitrification inhibitors, slurrry types and application techniques, liquid ammonia, termination strategies for clovergrass

In total:

- 15 trials
- On average 20 measurement campaigns per trial
 - ~ 300 campaigns in total
- ~ 24.000 N2O gas samples





Thank you

- Danish Technological Institute
- Local research units
- Colleagues at SEGES
- Promilleafgiftsfonden
- Thank you for listening!

