


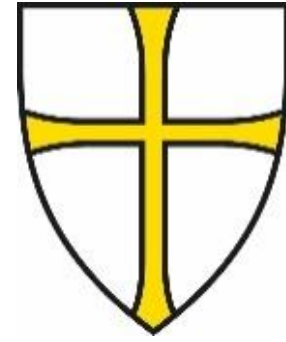
Tove Jystad

Head of development unit

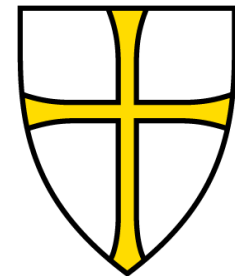
Farmer's Climate and Energy Center



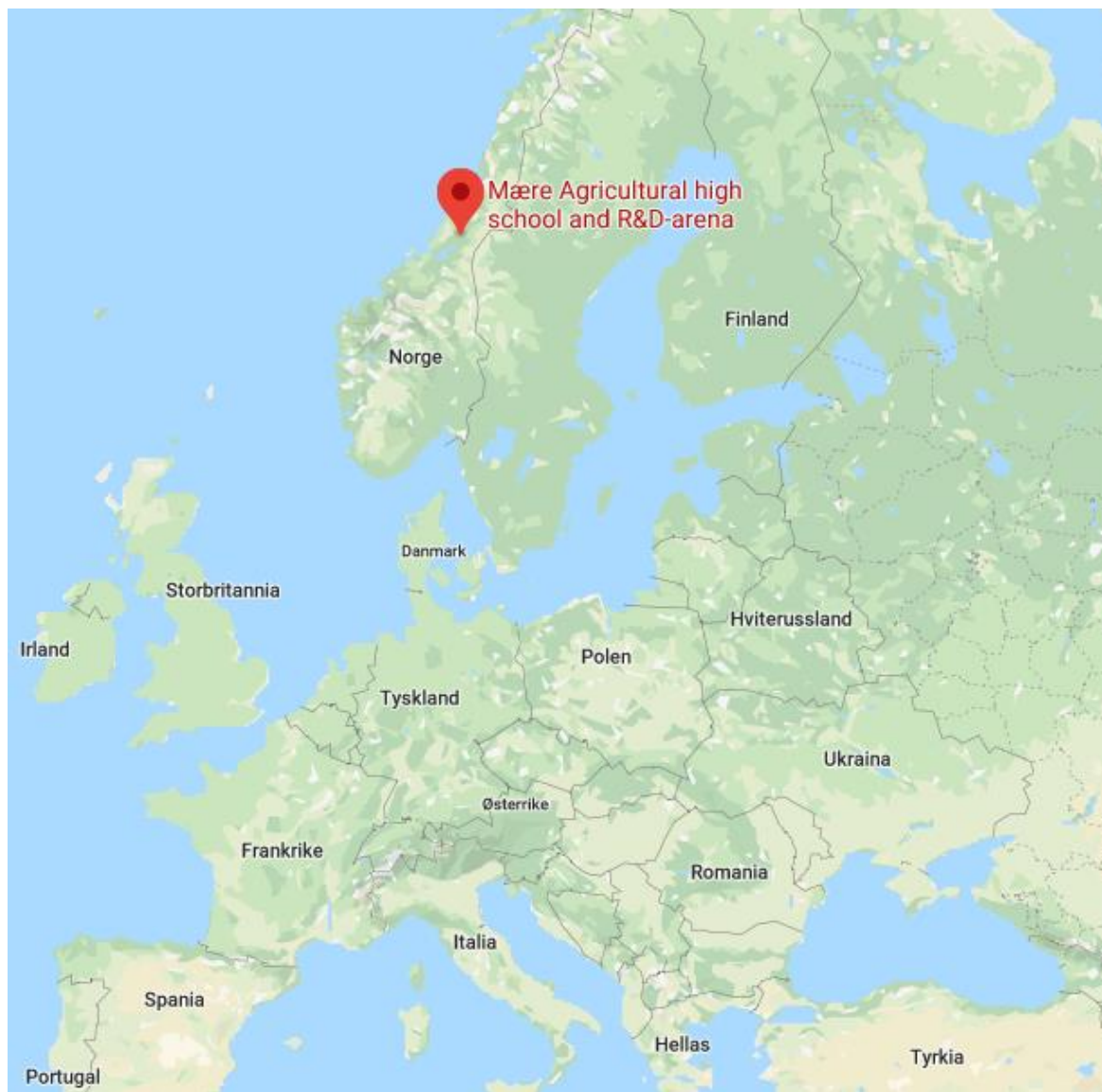
Climate neutral farms –
an educational
approach to distributing
the Farm to Fork
strategy



Mære
landbruksskole



Trøndelag
County Authority









Mære
Agricultural High School



Educating more than 1.000 farmers every year

The challenge





Leder av utviklingsavdelingen, Tove Hatling Jystad, tar imot prisen på vegne av Mære Landbruksskole. Hun kan ta med kr. 50.000,- og et flott kunstverk tilbake til Trøndelag. Foto: jon@jonamundsen/Norsk Landbrukssamvirke

In 2015 Mære Agricultural School won the National Green Innovation Price.

After working with renewable energy and climate actions for more than 15 years.



Farmer's Climate and Energy Center

Established in 2015

- Demonstration facilities
- Arena for R&Ds
- Competence for farmers and students



Mære
landbruksskole



Trøndelag
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Students, farmers and R&Ds together



Zero Emission Farm

Our impact is to test and demonstrate how farmers can:

Reduce GHG emissions from the animals and the fields.
Increase carbon storage.

Reduce GHG emissions from the buildings and energy-use.



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Investigating possible actions

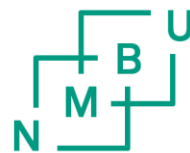
The goal:

- To get an overview of the emissions and to understand the most effective actions
- To understand how much we can reduce emissions
- To share this knowledge with students and farmers



NIBIO

NORWEGIAN INSTITUTE OF
BIOECONOMY RESEARCH



Norwegian University
of Life Sciences



NORD
University



Biochar-facilities

In 2021 we will build facilities for biochar-production

The goal is:

To test, demonstrate and distribute knowledge about biochar to students and farmers.

To accelerate implementing climate neutral actions

Test and demonstrate different ways to use biochar for storage of carbon and reduction in GhGs



Testing and demonstrating new ideas.

autoagri



T:lab





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Research Centre on
ZERO EMISSION
NEIGHBOURHOODS
IN SMART CITIES

Mære was appointed pilot
area of ZEN

The ZEN Centre's vision:
Sustainable
neighbourhoods with zero
greenhouse gas emissions



Solar-energy





Testing
renewable
diesel

-together with
farmers and
researchers





Summarized:

The challenge

How can we as an educational institution give good and innovative competence to help solving the climate challenge?

The philosophy

Students, farmers and R&Ds working together in a living lab

The tool

Mære as a living Zero Emission farm

We are now looking for partners in Europe that can challenge and cooperate with us.

Thank you for your attention!

Welcome to join us!

