



**SEASOLUTIONS WEBINAR WORKSHOP: USE OF SEAWEEDS AND SEAWEED DERIVED INGREDIENTS
TO REDUCE METHANE EMISSIONS FROM CATTLE, SHEEP AND DAIRY COWS**

March 10th and 11th 2022

Teagasc Ashtown Food Research Centre, Ashtown, Dublin 15, Ireland

DAY 1 – March 10th 2022

https://zoom.us/webinar/register/WN_1w-EyPpfT1u9ZTY1JB7z4A

SESSION 1

Funding mechanism overview

1.45 pm – 2.00 pm GMT

2018 Joint Call: Supporting innovation and sustainability in animal production systems through transnational collaboration

Dr. Órlaith Ní Choncubhair, FACCE ERA-GAS Consortium Manager, Oak Park, Carlow R93 XE12, Ireland

SEAWEED SELECTION & PROCESSING

2 pm – 2.15 pm GMT

Seasolutions overview

Dr Maria Hayes, Teagasc Food Research Centre, Ashtown, Dublin 15

2.15 pm – 2.30 pm GMT

Antimicrobial activity of select seaweeds and extracts on methanogens

Dr Goldy De Bhowmick, Teagasc Food Research Centre, Ashtown, Dublin 15

2.30 -2.45 pm GMT

Effect of seaweed feeding on the rumen microbiome and methane production

Dr Eóin O’Hara, AAFC, Canada

2.45pm – 3.00 pm GMT

Seaweed polysaccharides and their digestibility by rumen microbes

Dr Wade Abbott, AAFC, Canada/ Dr Eoin O’ Hara, AAFC, Canada

3.00 pm – 3.15 pm GMT

Initial results from Seasolutions in vitro rumen models and beef trials in Canada

Dr Karen Beauchemin/ Dr Stephanie Terry, AAFC, Canada

3.15 pm – 3.30 pm GMT

Seasolutions beef feeding trial activities

Prof. David Kenny, Teagasc Grange, Ireland

- 3.30 pm – 4.00 pm GMT **Findings to date from the Seasolutions project at QUB**
Dr Katerina Theodoridou/ Dr Pamela Walsh, QUB
- 4.00 pm – 4.15 pm GMT **Measuring bromoform and Iodine in seaweeds, feeds and foods**
Dr Peter O’ Hara, Sligo It, Ireland.
- 4.15 pm – 4.30 pm GMT ***In vitro* assays to determine methane-mitigating effects of seaweeds – overview of methods used in Seasolutions at SLU**
Prof. Sophie Krizsan, SLU
- 4.30 pm – 5.00 pm GMT **Questions and Answers session – Open to all participants**
Chaired by Dr Muireann Egan, Teagasc Moorepark
- 5.00 pm – 5.15 pm GMT **Update on activities on day 2 of Seasolutions webinar**
Dr Maria Hayes, Teagasc Ashtown
- 5.30 pm GMT** **Close of webinar day 1**
- DAY 2 – March 11th 2022** https://zoom.us/webinar/register/WN_Pb4csnAZScqoDYStVPMjjw
- 9.30 am – 9.50 am GMT **Seaweed by-products as feed ingredients for methane reduction use in a Norwegian sheep trial**
Dr Inga Maria Aasen, SINTEF, Norway
- 9.50 am – 10.10 am GMT **Results from the Seasolutions Norwegian sheep trial**
Dr Vibeke Lind, NIBIO, Norway
- 10.10 am – 10.30 am GMT **BREAK for tea/coffee**
- 10.30 am – 11.00 am GMT **Seaweeds in dairy cattle feed with the aim to reduce enteric methane production: potential and challenges of both bromoform and non-bromoform concentrating species**
Guest speaker – Dr Wouter Muizelaar, Wageningen University, The Netherlands
- 11.00 am – 11.20 am GMT **Dairy trial at FLI using seaweeds– what we know so far and planned activities**
Dr Matthias Schilde, FLI, Germany
- 11.20– 11.40 GMT **Results from the Seasolutions sheep feeding trial at Teagasc Athenry**
Emily Roskam, Teagasc Athenry, Ireland



11.40 – noon pm GMT

Dairy trial using selected seaweeds at AFBI and QUB

Dr Yan Tianhai, AFBI/ Prof. Sharon Huws, QUB, Northern Ireland

12.00– 12.20 pm GMT

Life cycle assessment (LCA) for seaweed use in animal feed additive or methane reduction in ruminants

Prof. Fredrik Grondahl, KTH, Sweden

12.20 -12.40 pm GMT

Mr Aidan Foley, MereMer, Wexford, Ireland.

Questions & close