

Hatchery for large scale production of seeding material



Spring growth (March)



Seaweed ready for harvesting



Harbour, boat, and rig equipment

WELCOME TO THE FINAL MACRO CASCADE CONFERENCE - a virtual meeting with content

WEDNESDAY, 24TH OF MARCH 2021, 10 AM - 3 PM (CET)

PLATFORM: MS TEAMS (OPEN FROM 9:30 AM)



AGENDA

- 10:00 Welcome by project coordinator Prof. Anne-Belinda Bjerre (DTI)
- 10:10 **1st session: Direct impact on scaling up seaweed cultivation and the pre-treatment industry**
Chairperson: Anne Meyer, DTU
- 10:10 "Selective breeding of *S. latissima* & new seeding technics for *Palmaria palmata*" by Alexander Ebbing (HOR)
- 10:25 "Mechanical harvesting and seeding" by CEO Ólavur Gregersen (ORF)
- 10:40 "Seasonal variation of value-added components" by Urd G. Bak (ORF)
- 10:55 "Conditioning, pre-treatment and storage" by Søren U. Larsen (DTI)
- 11:10 Questions and answers
- 11:30 **2nd session - PART I: The innovative biorefinery processes for turning seaweed into a commodity**
Chairperson: Ólavur Gregersen, ORF
- 11:30 "Microbial refining of algal biomass for food & feed" by Prof. Anne S. Meyer (DTU)
- 11:45 "Algae-based gut - health promoting animal feed additives" by CEO Jens Legarth (FEX)
- 12:00 "Clinical effect on chronic inflammatory bowel diseases from intake of algae" by Dr. Jan A. Villadsen (SIL)
- 12:15 Questions and answers
- 12:30 **Lunch break**
- 12:55 *Virtual tour to the cultivation and production site in the Faroe Islands*
- 13:00 **2nd session - PART II: The innovative biorefinery processes for turning seaweed into a commodity**
Chairperson: Eva Karlsson, LU
- 13:00 "Extraction and separation" by Pauline Harmsen (WR)
- 13:20 "Enzymatic refining for high value products" by Prof. Gudmundur Oli Hreggviðsson (MAT)
- 13:40 Questions and answers
- 13:55 *Virtual tour of the TNO seaweed processing lab*
- 14:00 **3rd session: Impact on industrial exploitation incl. social, political & environmental aspects**
Chairperson: Jaap van Hal, TNO
- 14:00 "Techno-economic evaluation of the cascading platform" by Jan Wilco Dijkstra (TNO)
- 14:15 "Upscaling, implementation of biorefinery and identification of market barriers" by Ólavur Gregersen (ORF)
- 14:30 Questions and answers
- 14:40 **Closing ceremony**
Chairperson: Prof. Anne-Belinda Bjerre (DTI)
- 14:40 Summarising the day and "helicopter views" by Olavur Gregersen (consortium & stakeholders' manager)
- 14:50 Final words from BBI project officer Paloma Mallorquin.

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DTI = The Technical Institute of Denmark
DTU = The Technical University of Denmark
TNO = TNO.nl
WR = Wageningen University & Research

LU = Lund University
MAT = Matis
ORF = Ocean Rainforest SpA
FEX = Fermentation Experts

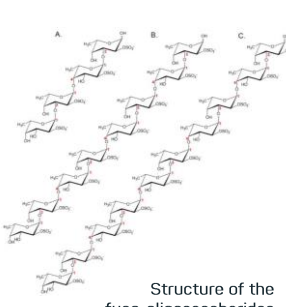
Technical Moderator: Xiaoru Hou (DTI). Contact info: xih@teknologisk.dk; +4572202393.



Pre-treatment of freshly harvested seaweed



Alginate co-extraction and purification



Structure of the fuco-oligosaccharides Fr1 (A), Fr2 (B), and Fr3 (C) released by Fh1D470.



Nutritional product improving gut feeling