



Seminar 16.06.2021



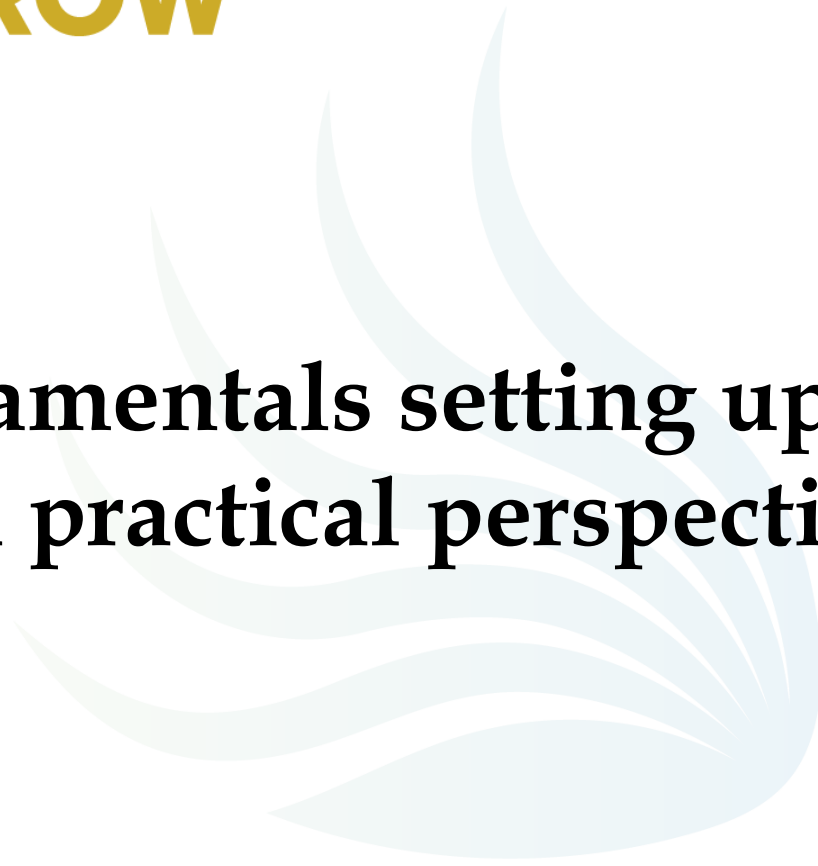
TARI

FAROE SEAWEED

Agnes Mols Mortensen
www.tari.fo



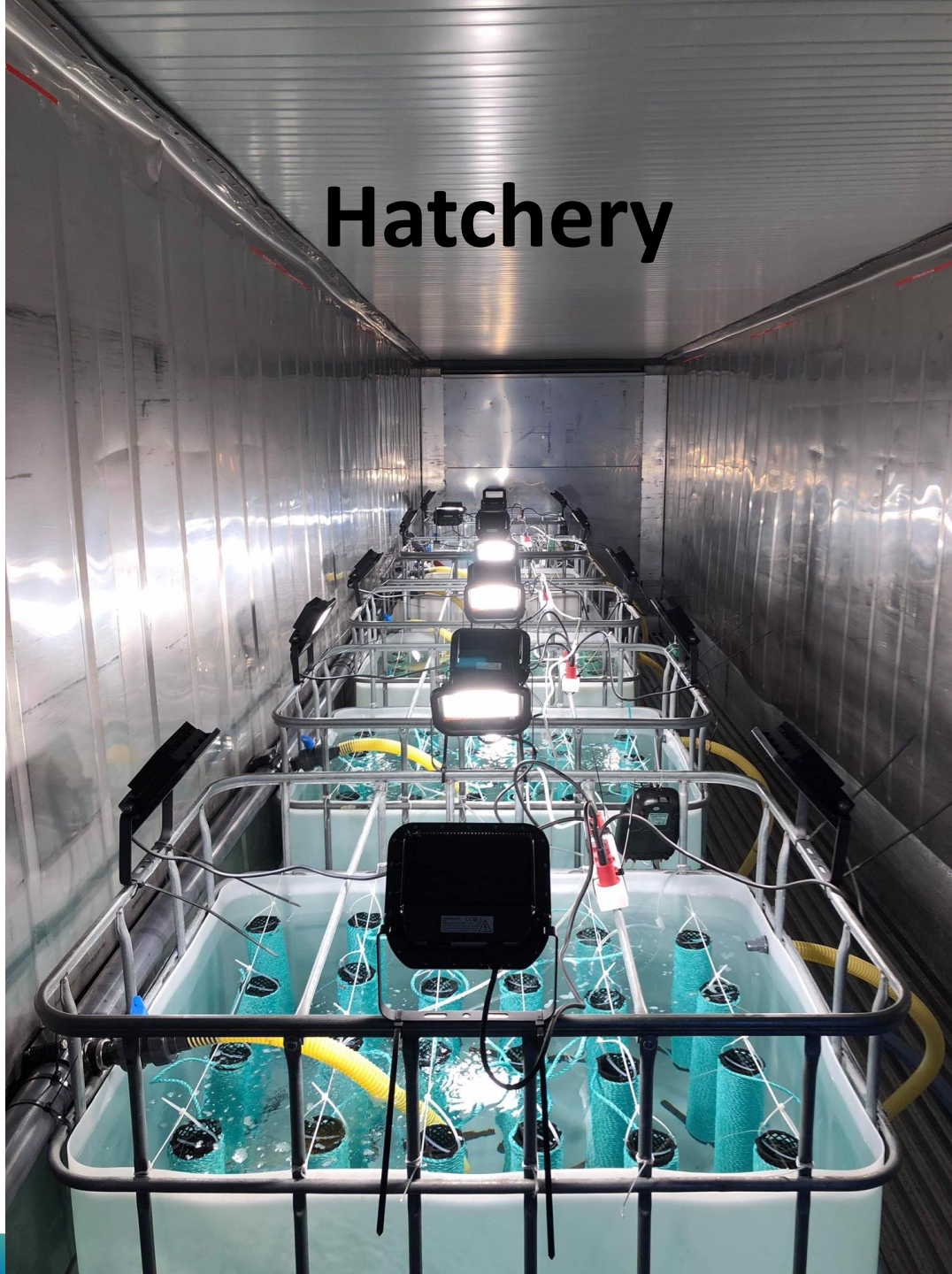
The fundamentals setting up a hatchery a practical perspective

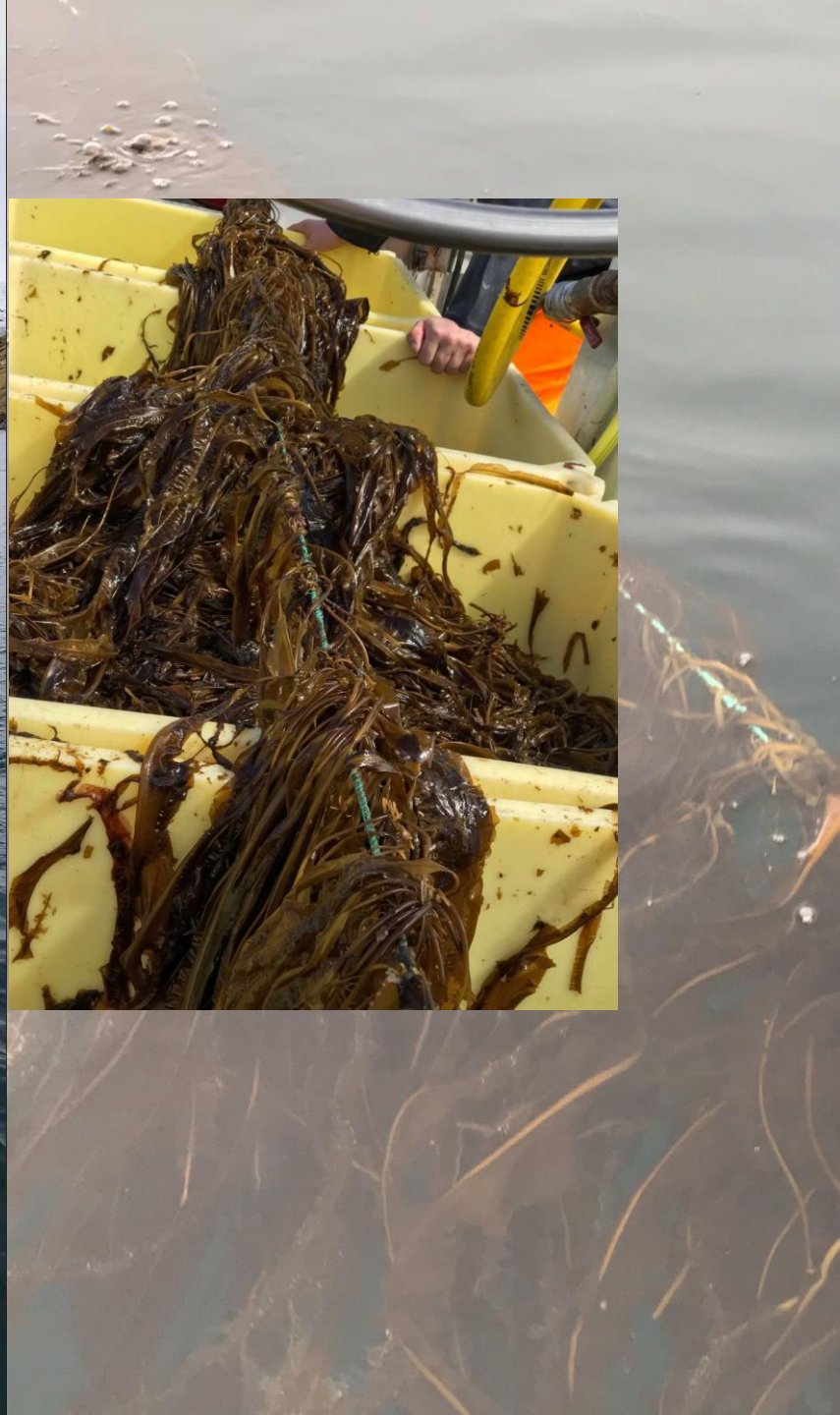


Biologically sustainable production of high quality seaweed products for food, feed and lumpfish shelters



Hatchery







**Northern Periphery and
Arctic Programme**
2014-2020



EUROPEAN UNION
Investing in your future
European Regional Development Fund



University of the
Highlands and Islands
Lews Castle College

Oilthigh na Gàidhealtachd
agus nan Eilean
Colaisde a' Chaisteil



DTU
Technical
University of
Denmark



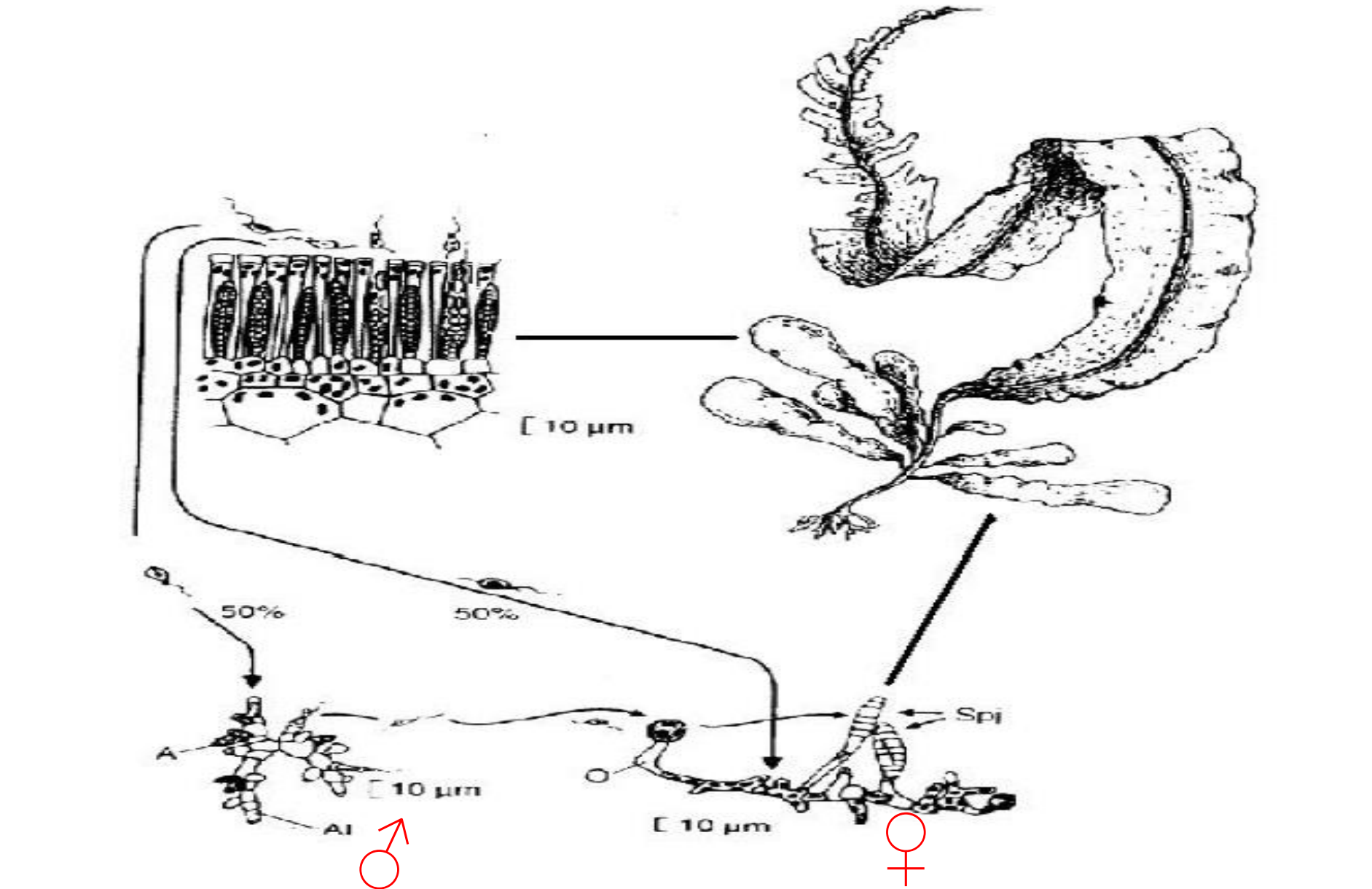
NUI Galway
OÉ Gaillimh



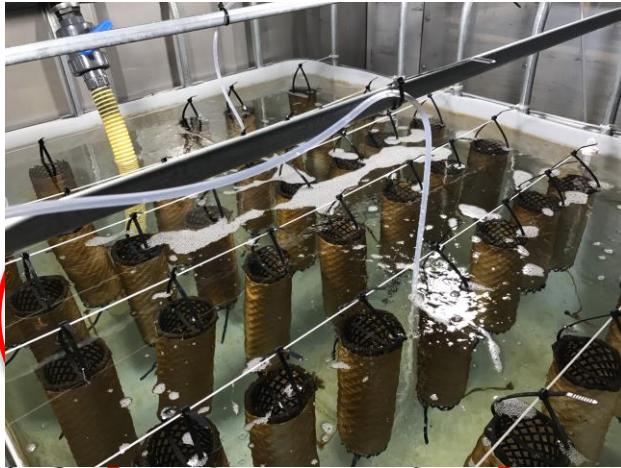
An Lanntair



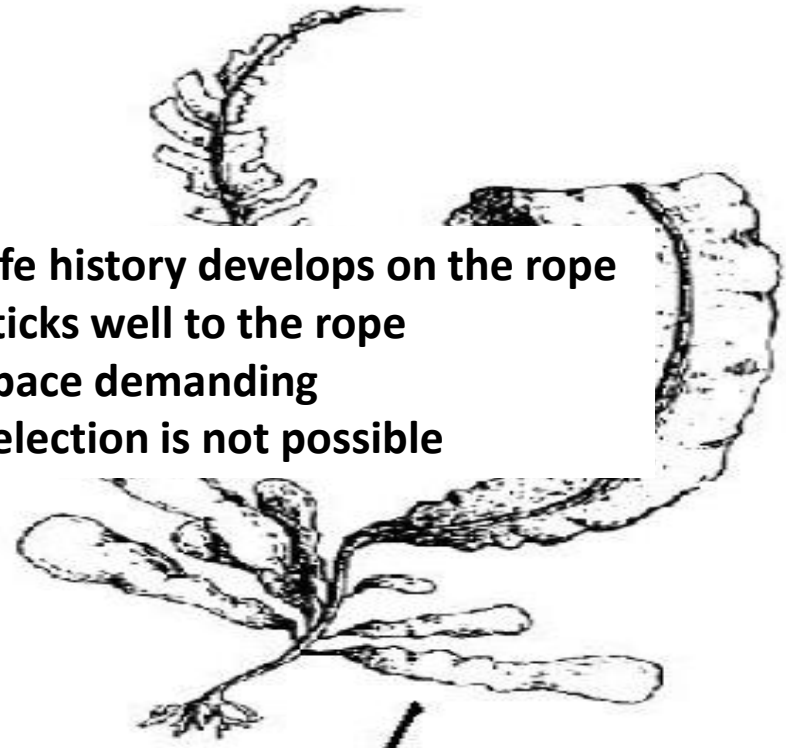
Life history of *Alaria esculenta*



Seeding with spores



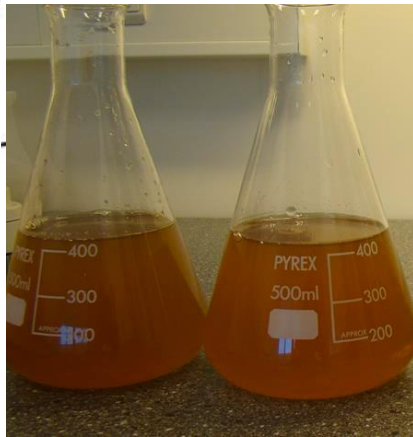
- Life history develops on the rope
- Sticks well to the rope
- Space demanding
- Selection is not possible



Non-direct seeding

- Given time to stick to the rope
- Space demanding in
- Selection is possible

Seeding with microsporophytes



Direct seeding

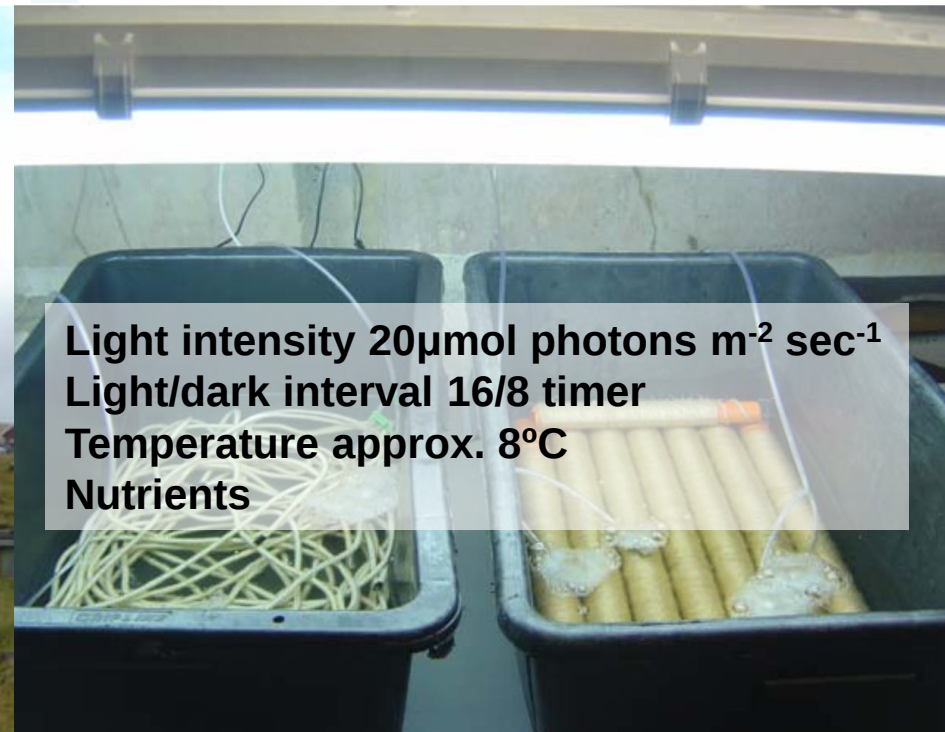
- Sticks poorly to the rope
- Not space demanding
- Selection is possible

Hatchery necessities

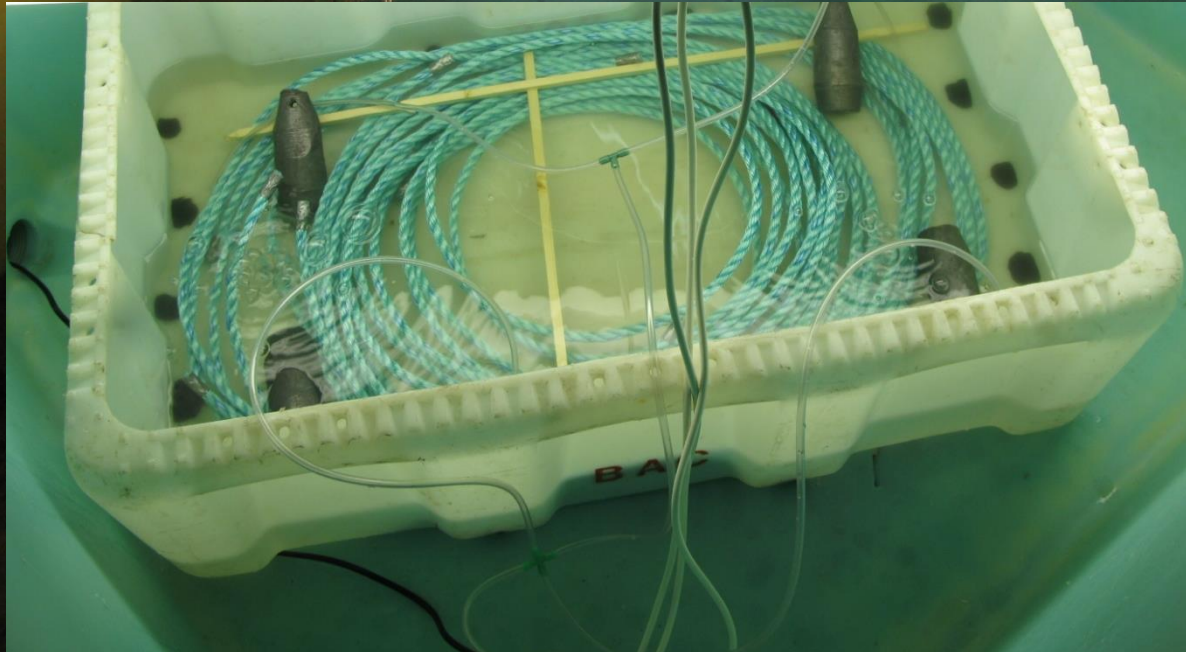
- Cleaned seawater
- Light
- Nutrients
- Temperature

First hatchery experiment setup

Nordic Seaweed Project 2005

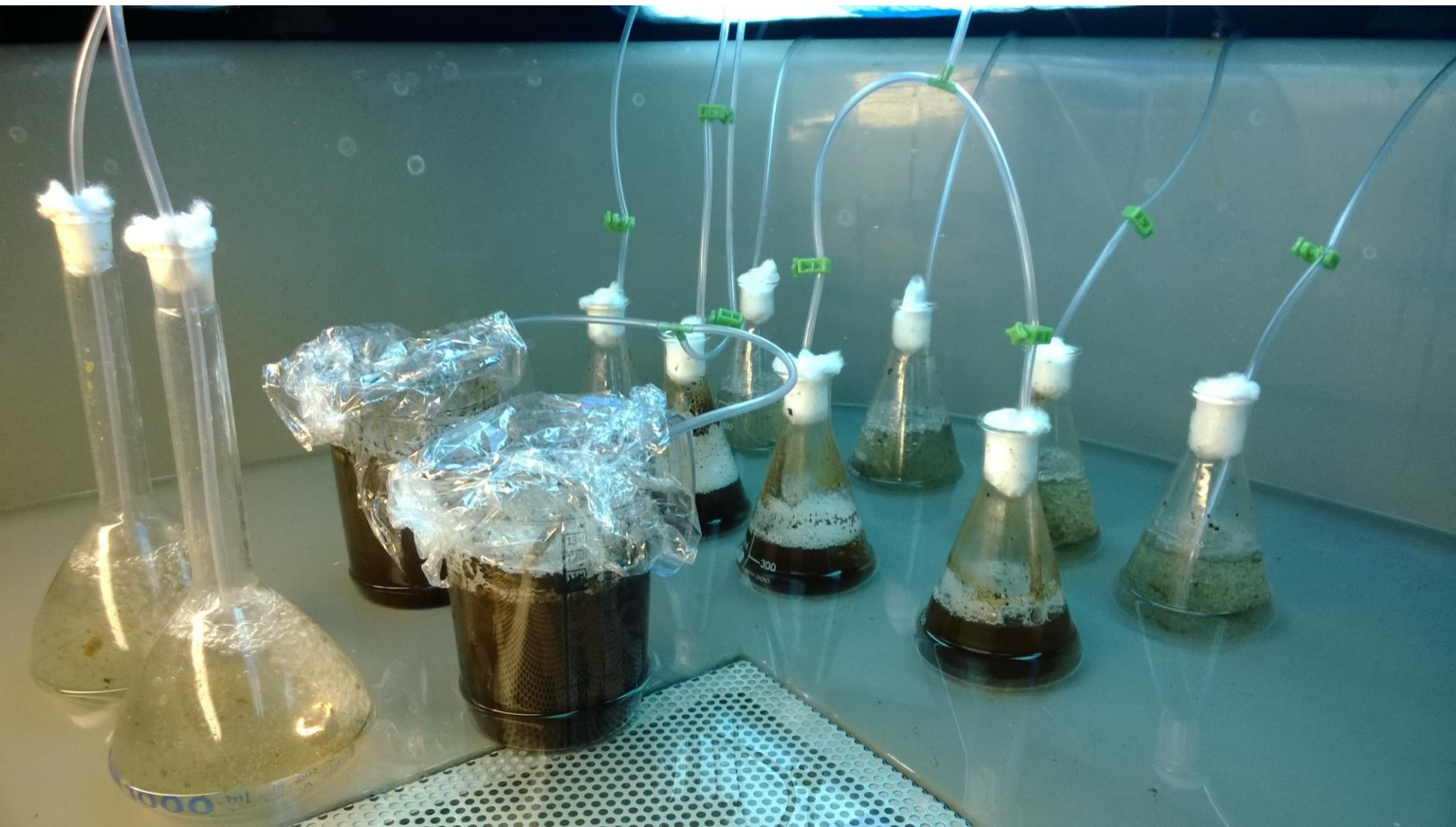


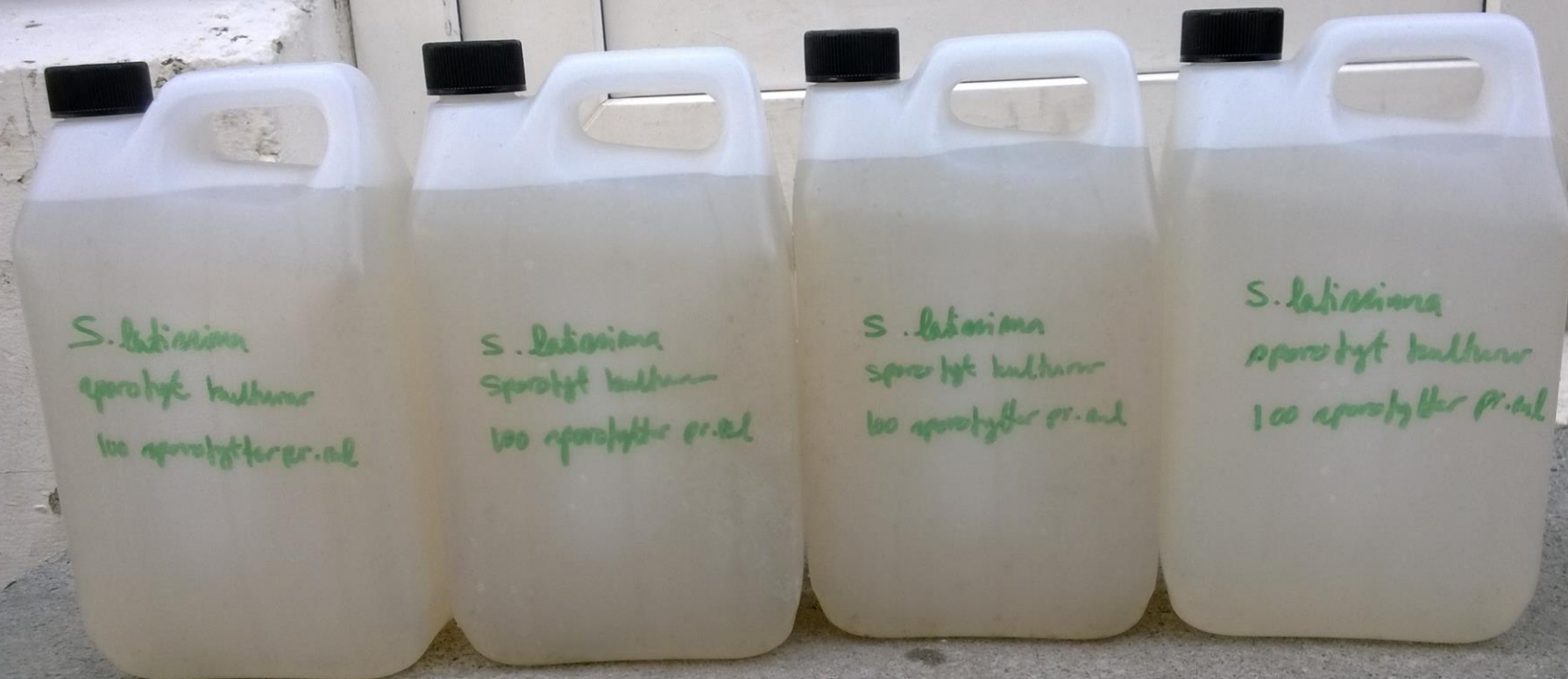
Light intensity $30\mu\text{mol photons m}^{-2} \text{ sec}^{-1}$
Light/dark interval 16/8 timer
Temperature approx. 8°C
Nutrients





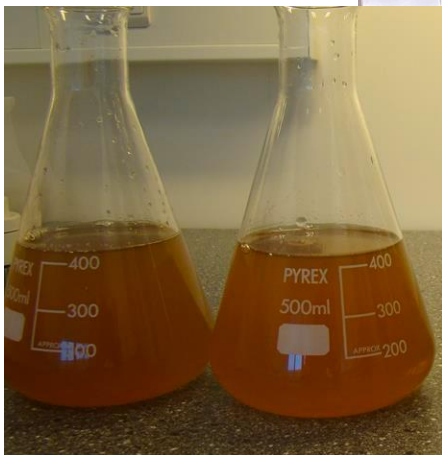


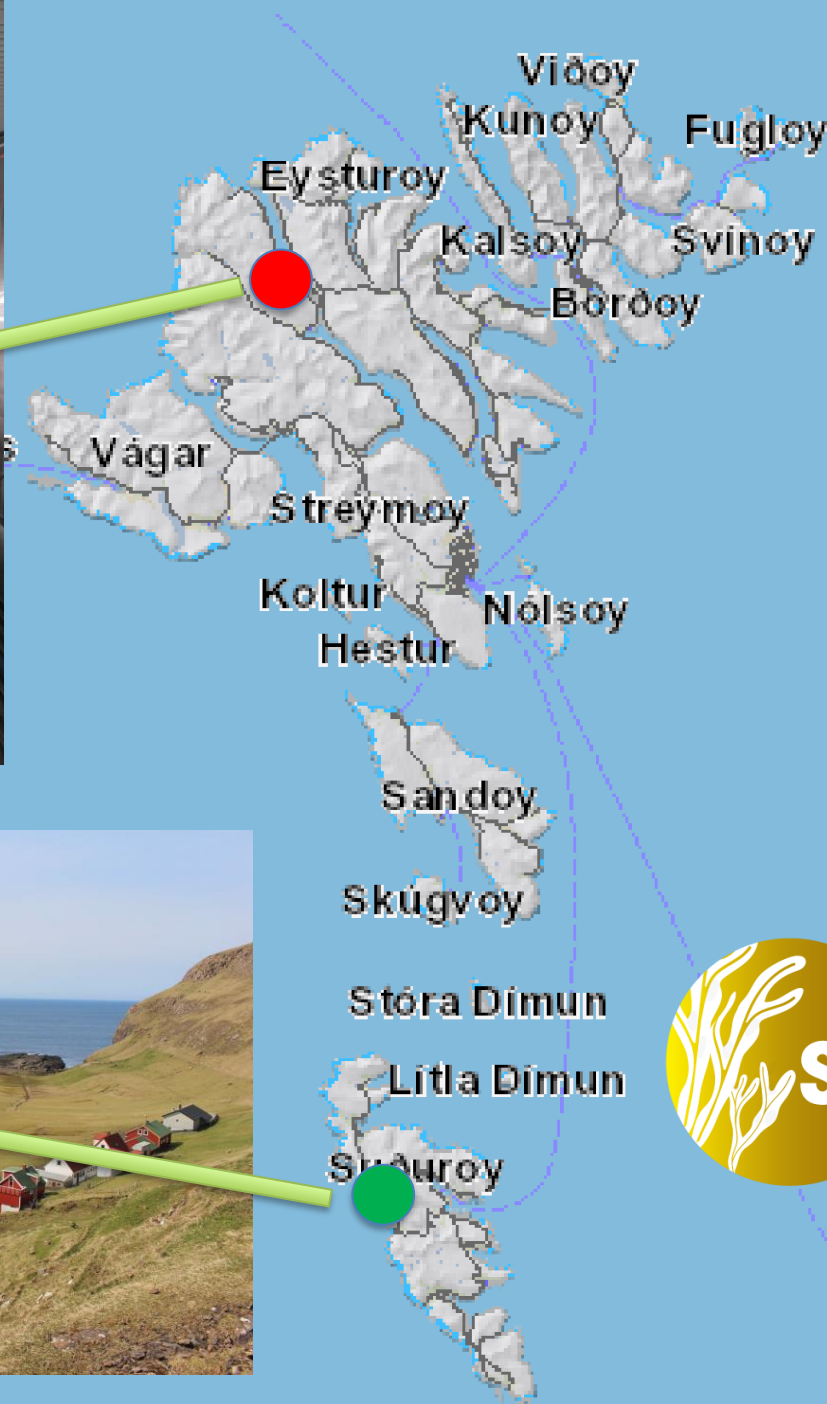






Mols-Mortensen *et al.* 2017







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