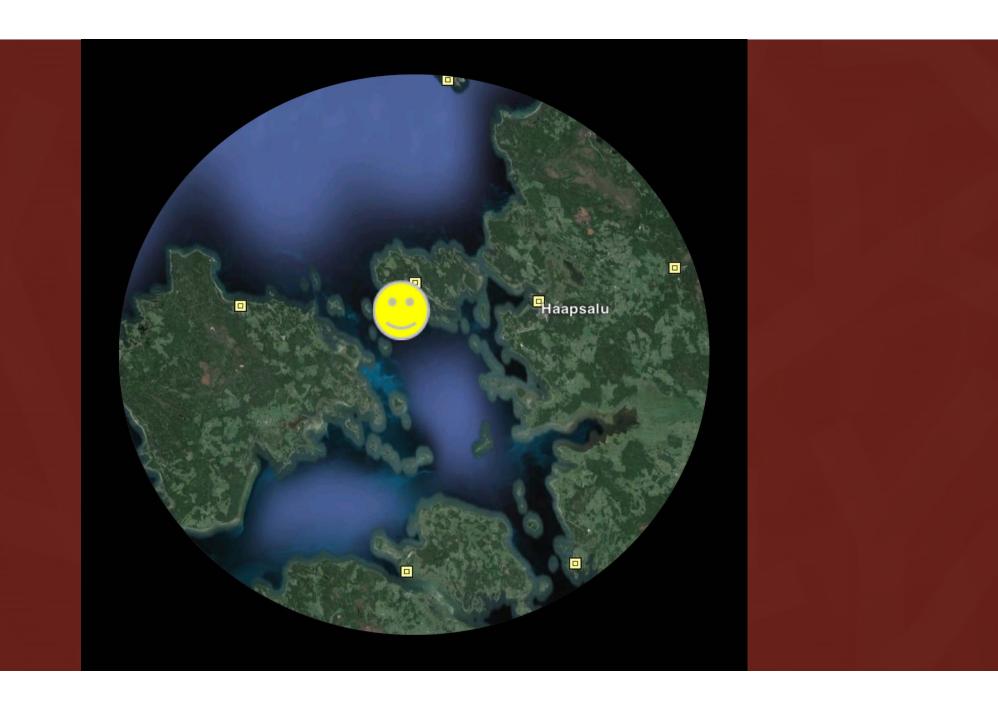


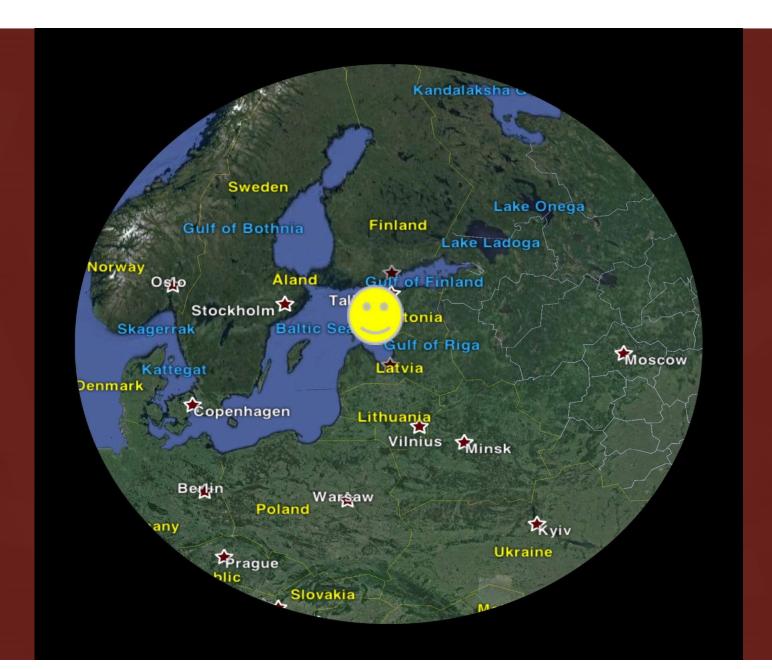
## EST-AGAR

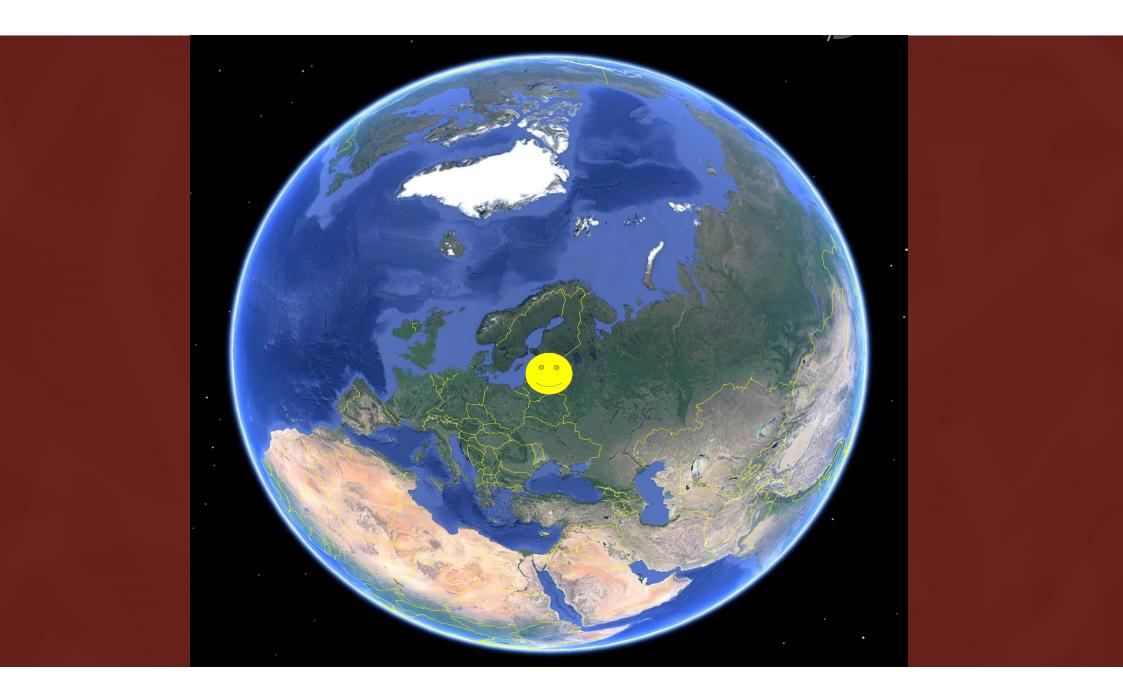
#### BLUE GROWTH START-UP IN ESTONIA

SEAWEED AND MUSSEL INNOVATION



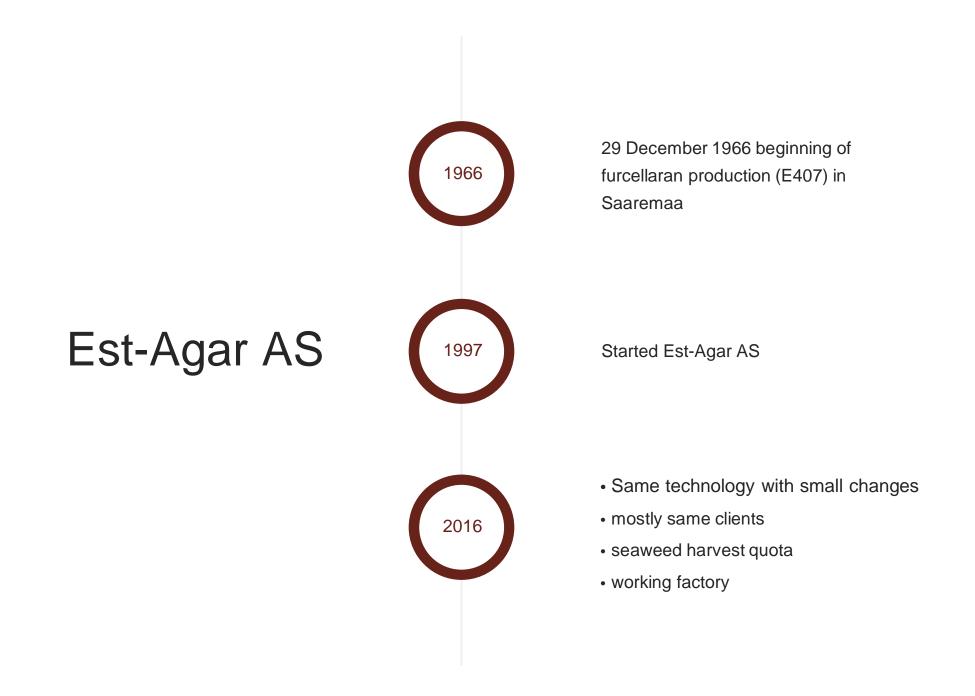








- Idea to use **local seaweed** in production
- A plan to **build a factory** on Vormsi
- Seaweed cultivation project
- Start with mussels
- Pilot production development plan for new technologies for production furcellaran, r-phycoerythrin and fertilizers
- Idea to buy Est-Agar AS





### Vormsi Agar + Est-Agar



Est-Agar

Production basis
Clients
Cash flow
People



Vormsi Agar

New technology New products Scientific partners



**Targets** 

Development
Growth
Active selling
Effective management

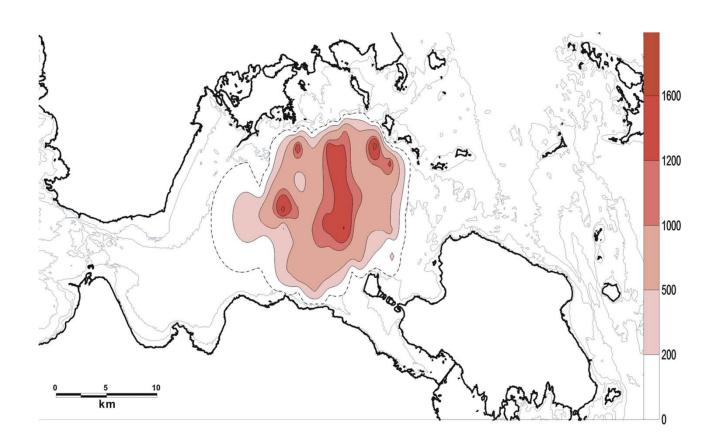
Est-Agar +
Vormsi Agar
2030

Europe's leading, research based, local raw materials using **blue biotechnology** company

- Catch quota 2000T
- Plan for 2019 a ~300T
- Coast collection 100 1800T
- Plan for 2019 a ~1200T
- Real catch 2019 ~800T

Seaweed
trawling and
coast
collection





Kassari Bay – colorcode for Furcellaria lumbricalis biomass (g/m2)

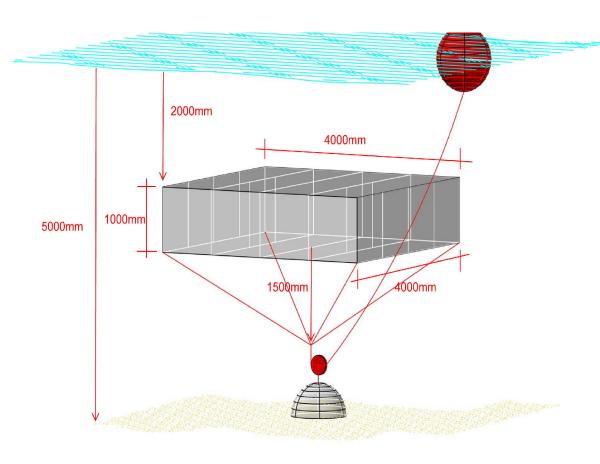








Seaweed farming

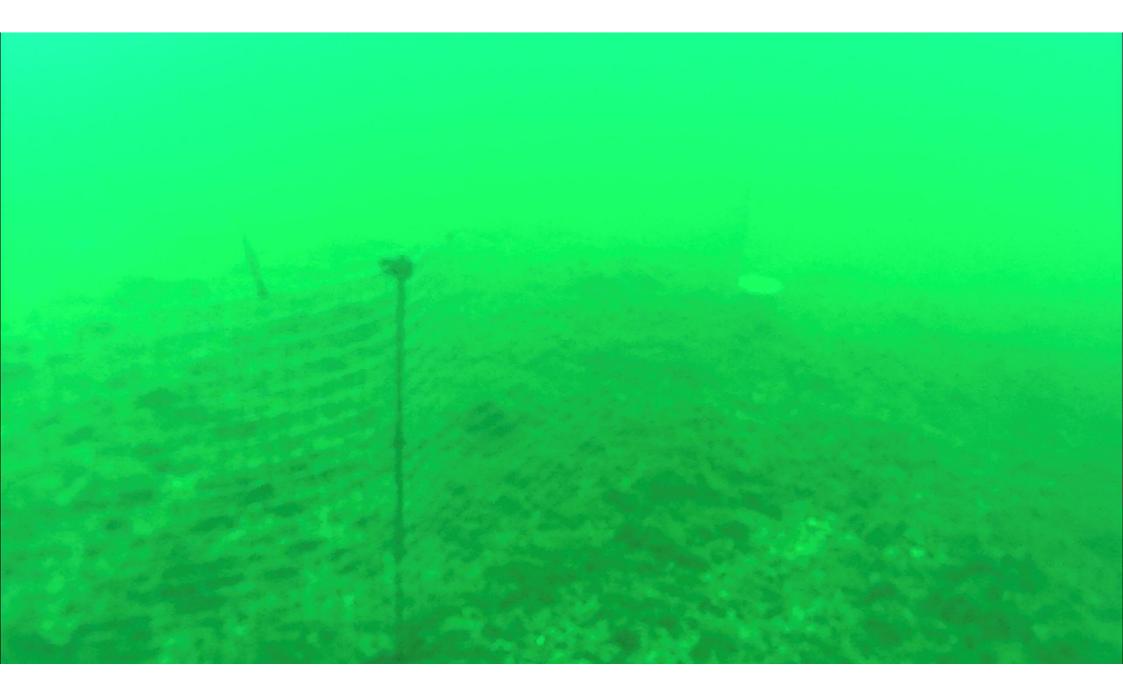


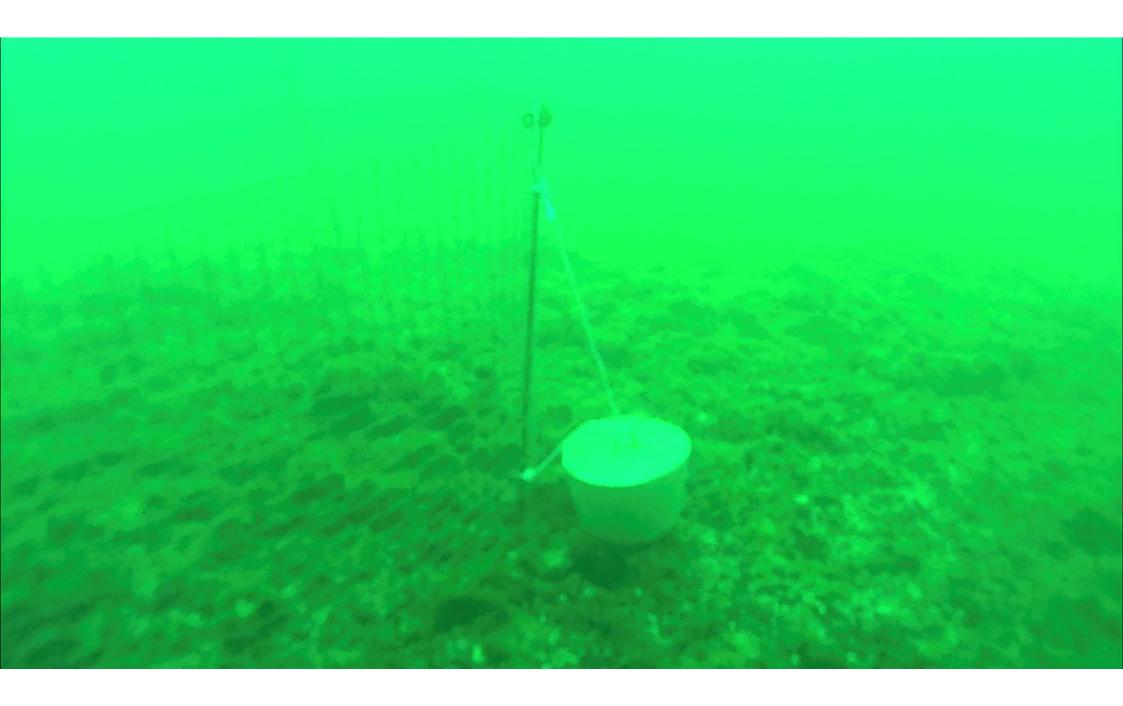


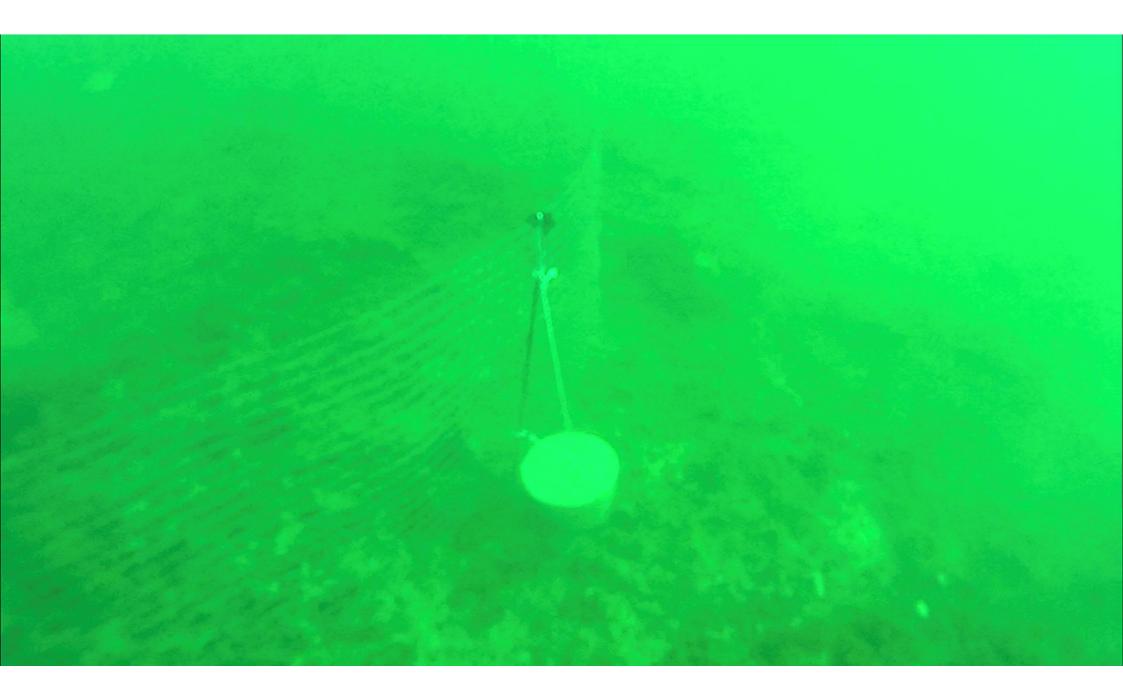


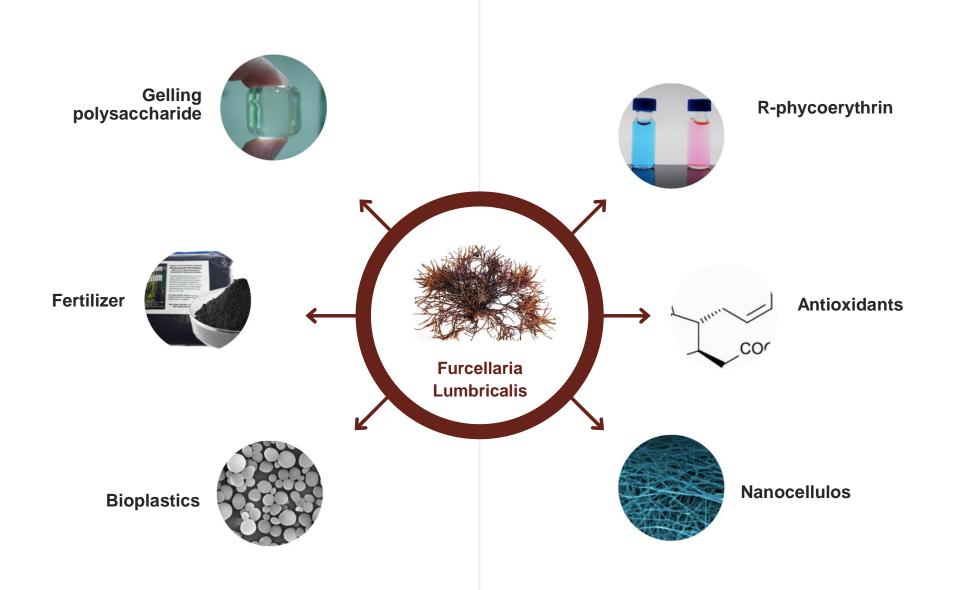


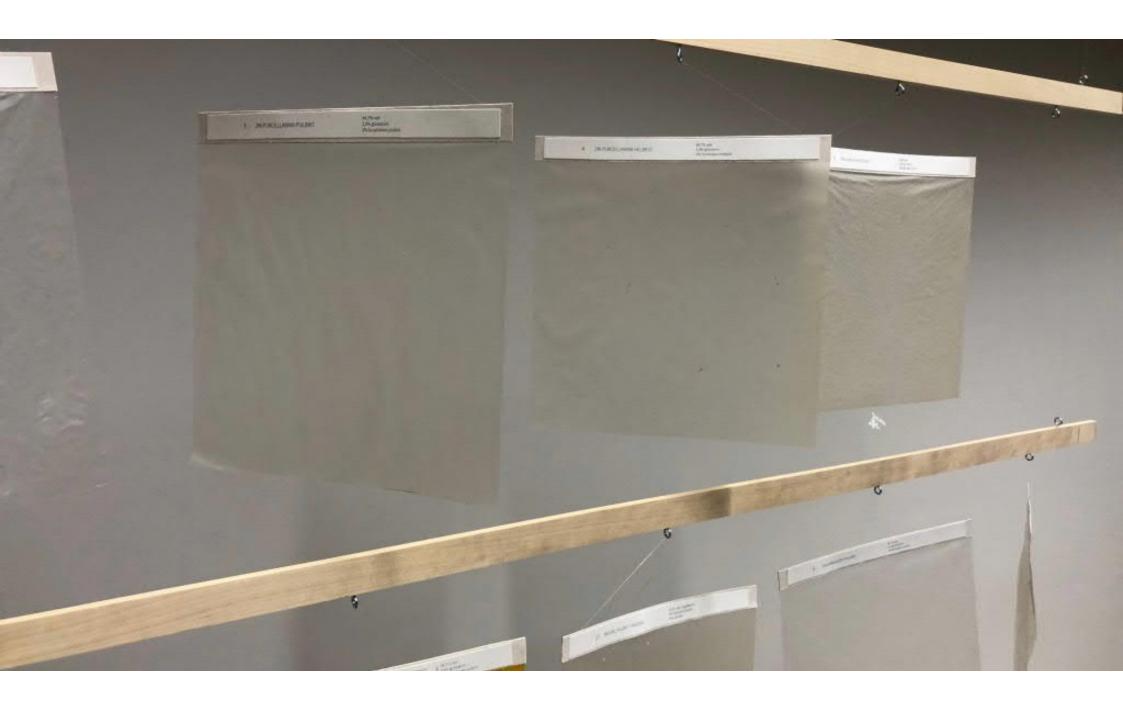




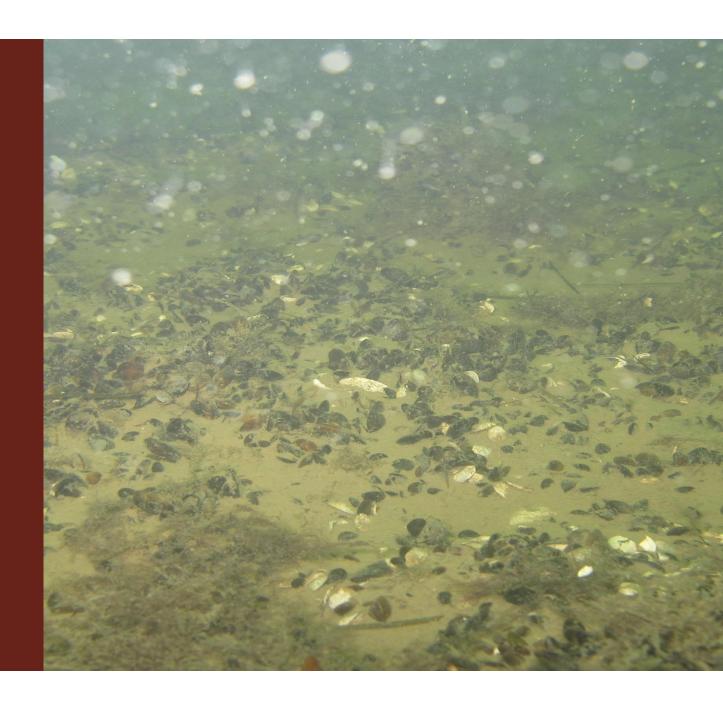


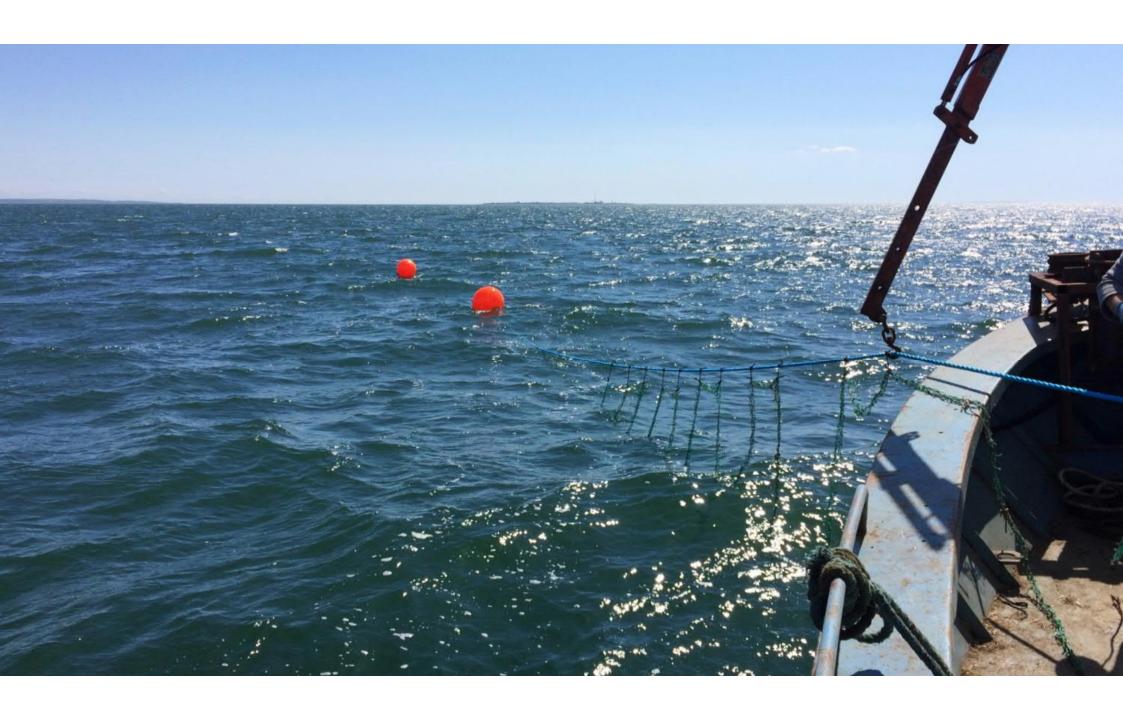


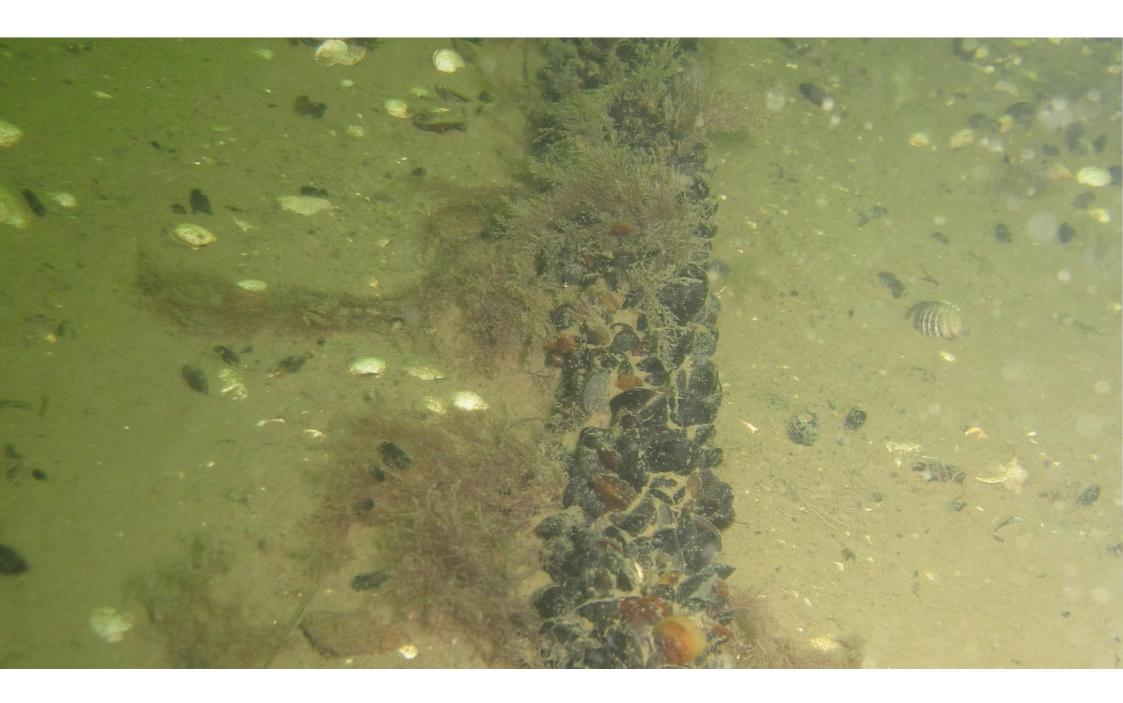




Mussel farming

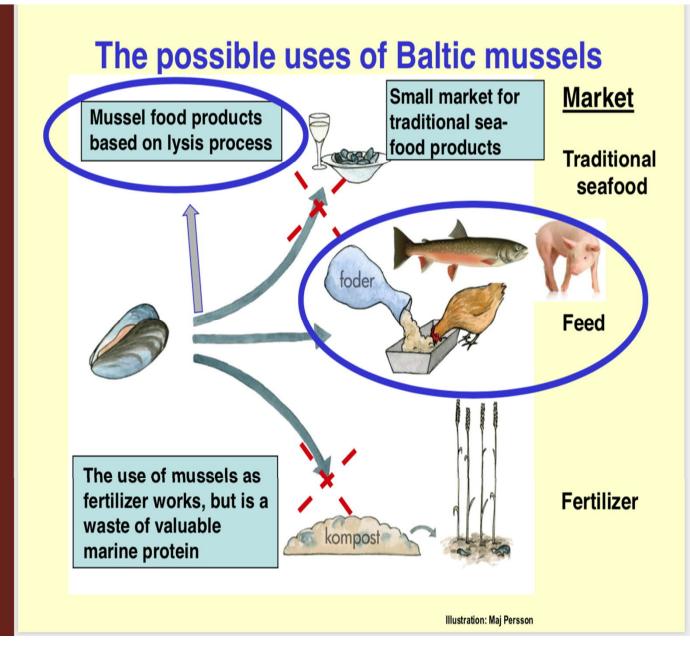






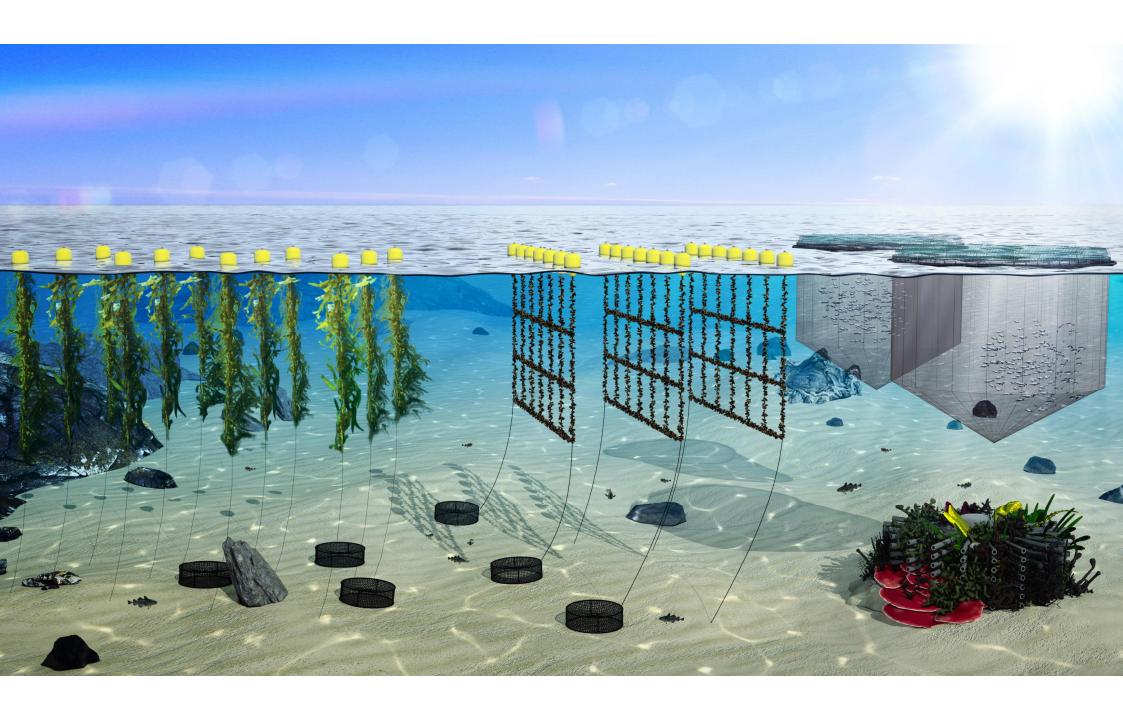
# Use of Baltic mussels

Odd Lindahl



- Fish farmers
- Fishmeal factory
- Local fishermen's
- Farmers
- TU Marineinstitute

#### Cooperation







Thank You!

Urmas Pau

Est-Agar AS

urmas@estagar.ee

+372 53 063 250