

Scaling-up macroalgae as an alternative resource

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The food challenge of the world

- More food needed the next 50 years than the past 10.000 years
- Today >800 million people suffer from undernutrition
- Nearly half the world's population is seriously nutrient deficient



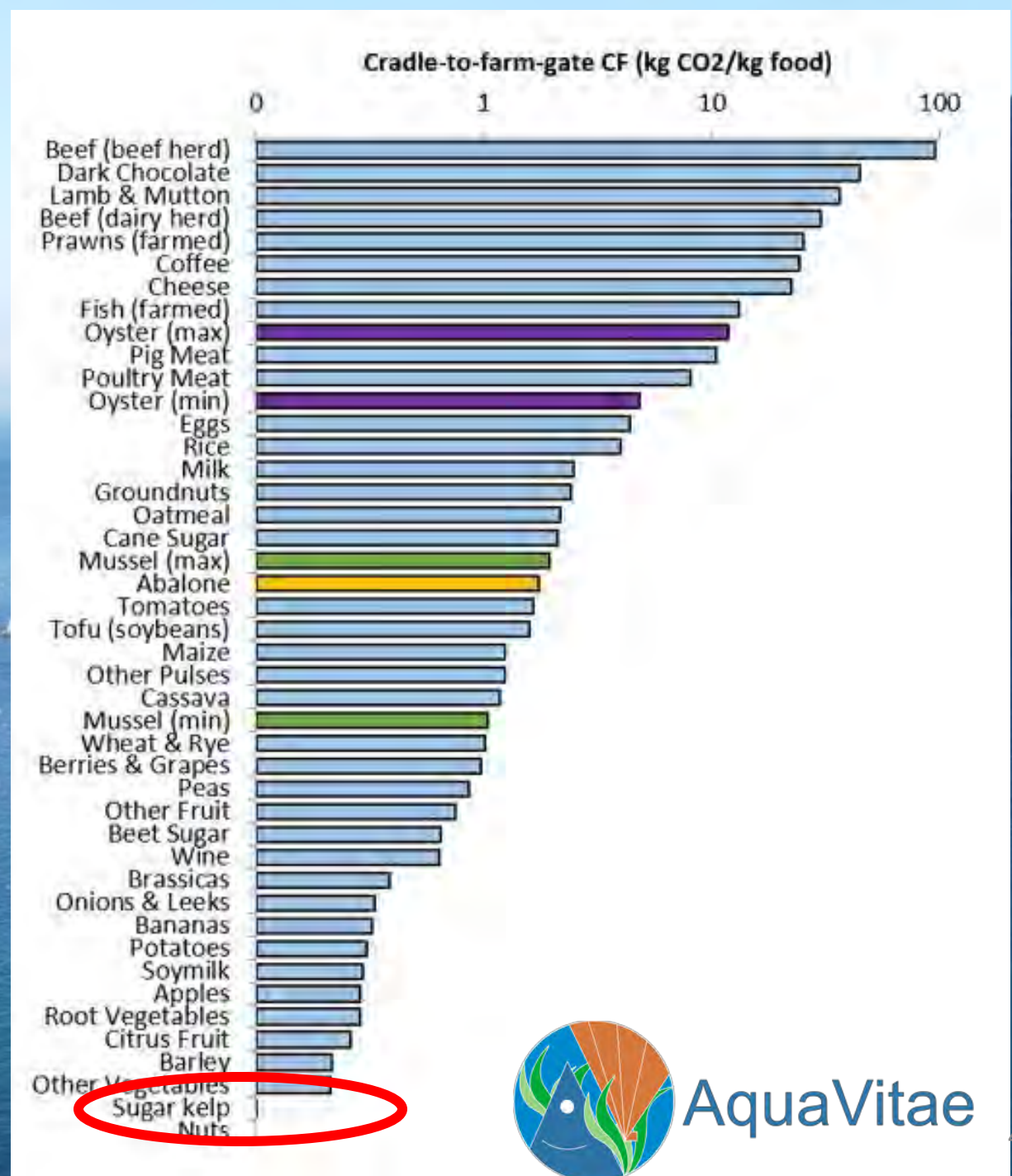
To feed the world in 2050 we will need

140% more water,
50% more grain
14% more forest

And we will emit

80% more greenhouse gasses

Carbon dioxide footprint of seaweed



Source: Deliverable 6.2.; The EU
Horizon 2020 project Aquavita, 2022.



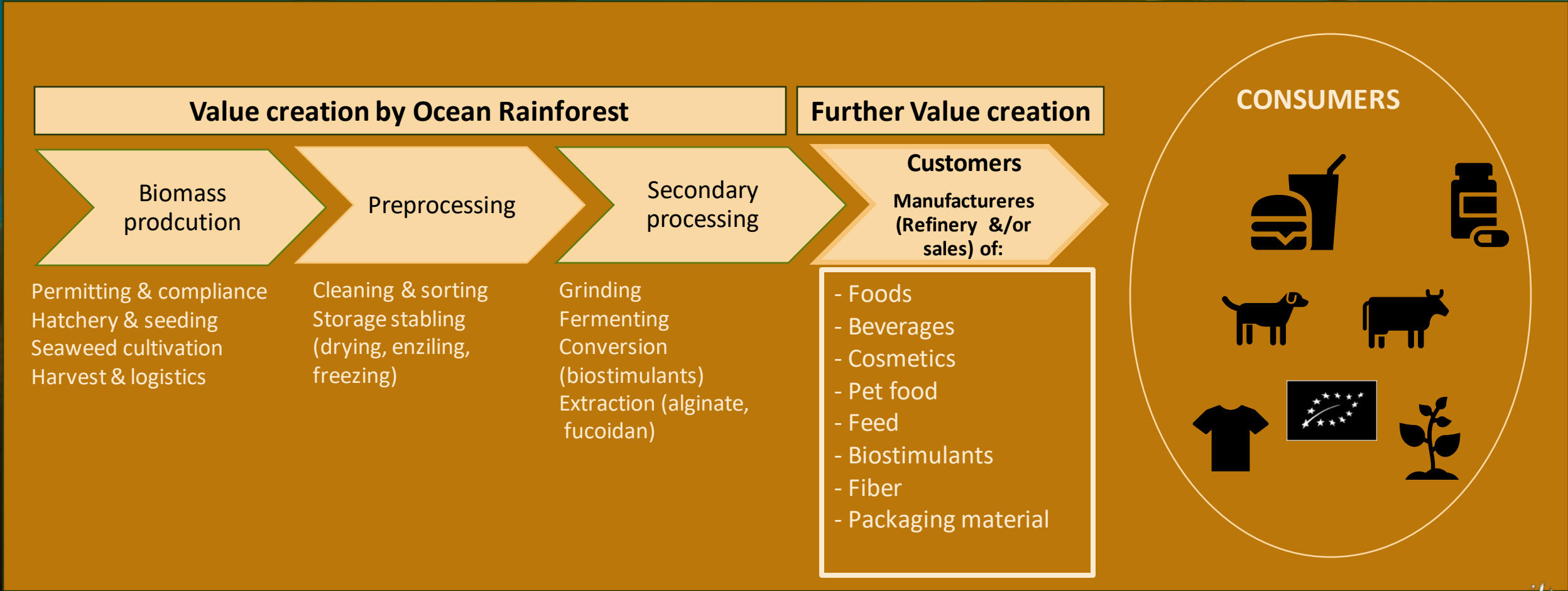
AquaVitae





The Ocean Rainforest value chain and the predicted seaweed market in 2030

→ the short to medium term market size estimated to > 8 Billion USD



Utilize momentum to sell into the following market verticals

→ Working on off-take agreements for 80% of sales from 2024 through 2028

FOOD

CAGR 8%
2023-28

FEED

CAGR 3%
2023-28

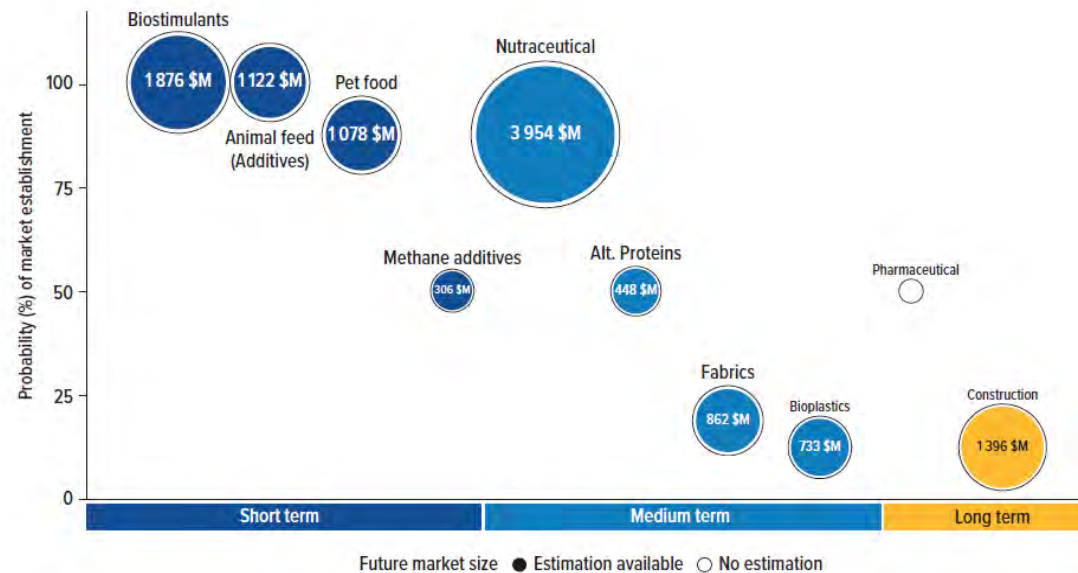
EXTRACT

CAGR 6-7%
2023-28

BIOSTIMULANTS

CAGR 10-12%
2023-28

FIGURE A: Predicted seaweed market size by 2030 (\$ millions) with chance of market establishment indicated by color on a high-level market horizon timeline



Source: World Bank: Global Seaweed. New and Emerging Markets Report, 2023.

Expand to largest seaweed cultivation capacity in Europe and North America

→ with the best return per CAPEX invested due to high biomass yield



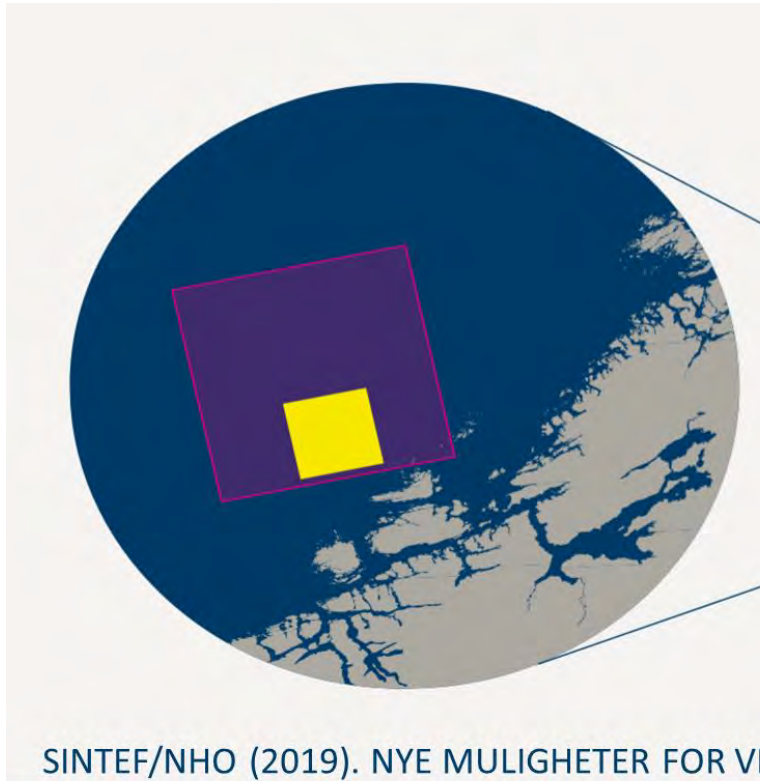


Offshore seaweed farming

Examples of scaling-estimates in Norway



Norway's emission in 2021: 49.1 mill t CO₂



**A responsible
business has a
regenerative
impact on the
ecosystem**



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