

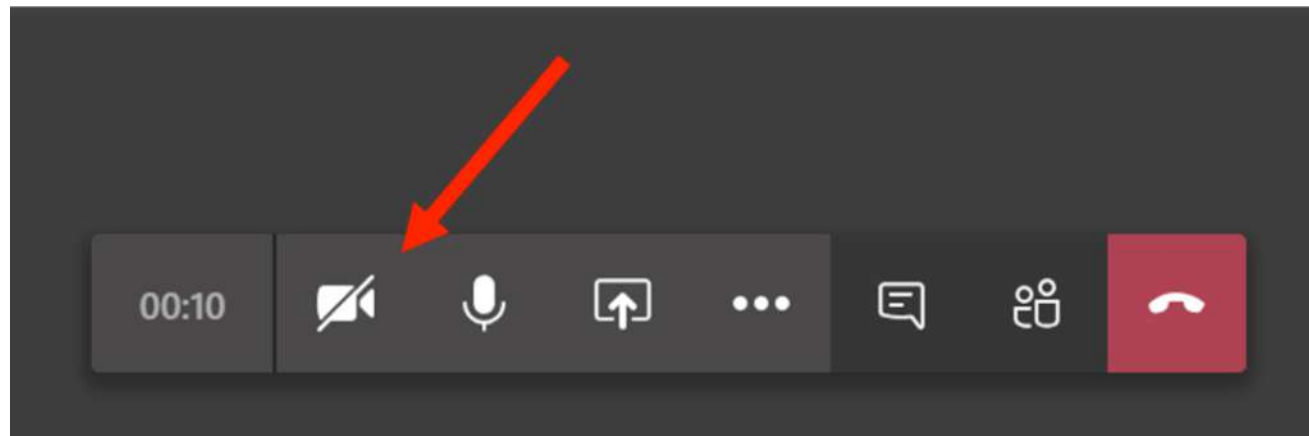
EU4Algae

a collaborative European stakeholders forum on algae

Recording

This meeting is being recorded for reporting purposes

Please turn your camera off if you do not want to be visible



Agenda

Time	Item	Lead
14:00	Welcome & Introductions	Rahim Jindani
14:05	Introduction to EU4Algae, Meeting Schedule & Communication Platforms	Frederick Bruce
14:10	HATCH Innovation Services' Global Seaweed Report: Implications for the macroalgae start-up sector in Europe	Karlotta Rieve
14:25	INNOVATUM Science Park: How Innovatum is supporting micro/macroalgae start-ups in Sweden and beyond	Sonja Andren
14:40	Sjy Seaweed: Experiences so far as a seaweed start-up (product development)	Leonore Olsen
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15:25	Promotion of the EABA Young Algaeers Symposium 9-11 May	Arianna Rizzo
15:40	Action Plan Validation: Do the tasks fill the gaps? What is missing?	Frederick Bruce
15:55	Any Other Business, Wrap-Up and Next Steps	Frederick Bruce
END OF MEETING		

About EU4Algae

EU4Algae Forum is the **platform** that enables **algae interested parties**, from all relevant public and private organizations, to **jointly implement the EU Algae Initiative**, while offering a forum to openly speak and discuss market driven breakthroughs for the sector.

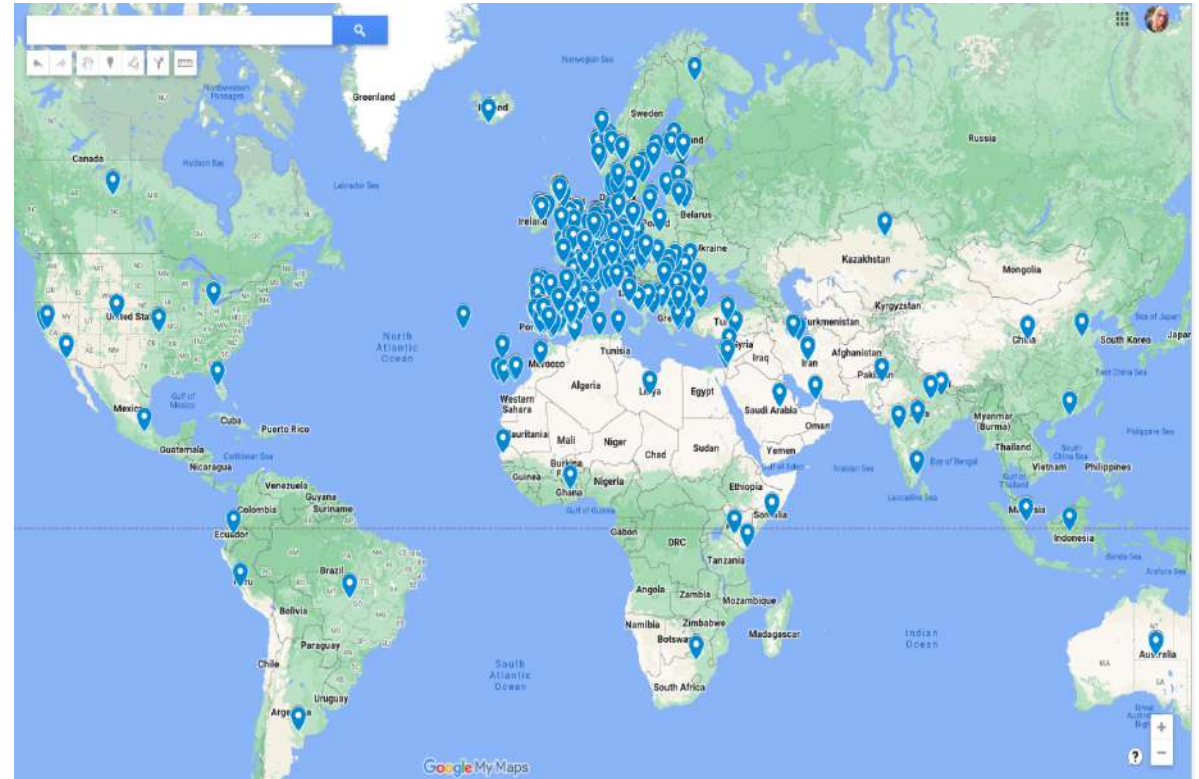
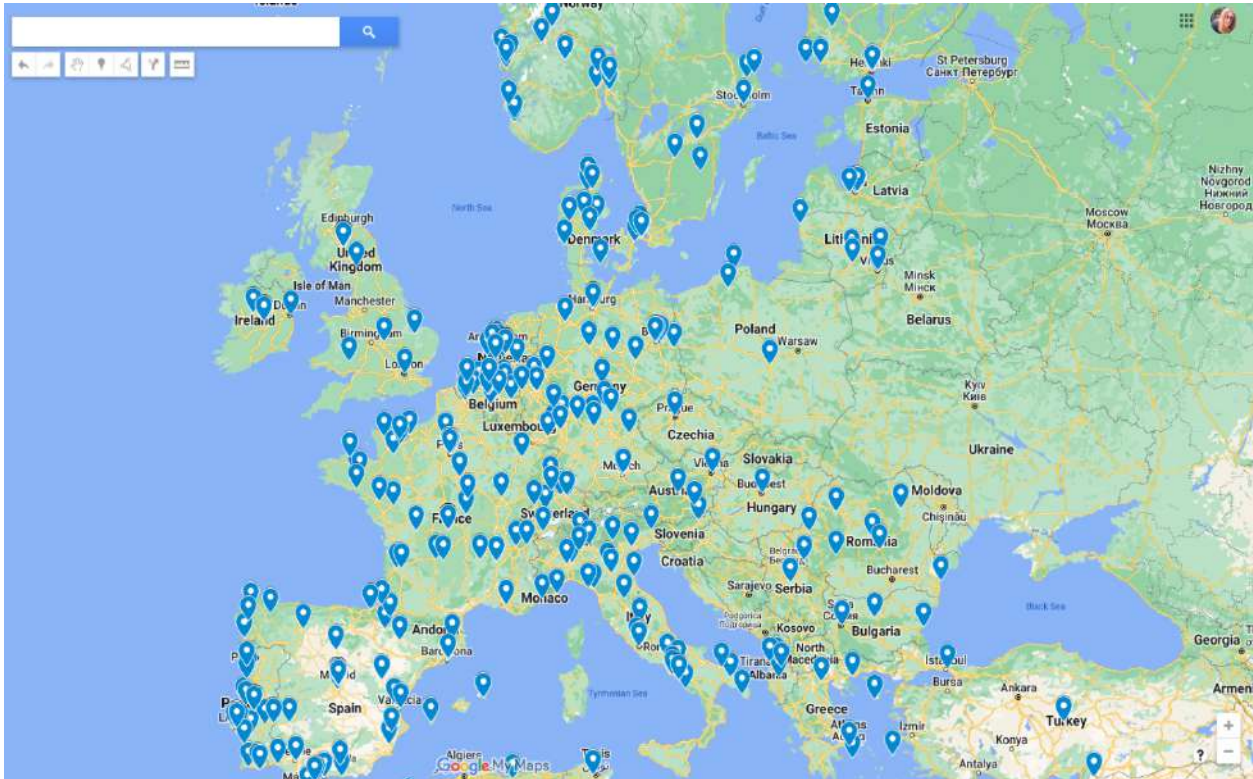
The tenderer consortium is directly connected to **the main European algae initiatives from over 43 countries.**

The ultimate objective is to accelerate the scale up of a regenerative, resilient, fair and climate friendly algae industry in Europe.



EU4Algae Members

700 members registered and participating in WGs discussions



Where?

The screenshot shows the 'MARITIME FORUM' website. At the top, there is a search bar and navigation links for 'Themes', 'Communities', 'Search', and 'F.A.Q.'. Below the navigation is a 'Communities' section with a grid of 15 topic cards. Each card has a title, a representative image, and a 'Read more' link. The 'EU4Algae' card, located in the second row, second column, is circled in red. Other visible cards include 'AA-News', 'Atlas Teachers Corner', 'Blue investment and...', 'BlueInvest Africa', 'Clustering and synergies', 'EMODnet', 'EU4Ocean Coalition', 'EU4Ocean Platform', 'European Atlas of the Seas', 'European Maritime Day', 'Fisheries', 'Make Europe Blue Campaign', 'Marine Knowledge Expert Group', and 'Marine_Litter'.



EU4Algae

Working Groups



Macroalgae Production



Microalgae production



Algae for Food



Algae for Feed



Ecosystem Services & Bioremediation



Materials, Chemicals, Bioactives & Algae Biorefining



Youth & Entrepreneurship

About EU4Algae



The platform is a unique space for collaboration among European algae stakeholders, including algae farmers, producers, sellers, consumers, technology developers as well as business-support organisations, investors, public authorities, academia, researchers and NGOs.



2023 European Year of Skills

EU Algae Initiative



Virginijus Sinkevičius • 1er

European Commissioner for Environment, Oceans and Fisheries at European ...

1 sem. • 🔒

Pioneering eu initiative just out!

We present 23 actions to boost the Algae sector in Europe.

Some key actions include:

- 🛠️ developing a new algae farmers' toolkit
- 🌐 facilitating access to marine space, identifying optimal sites for seaweed farming and including it in maritime spatial plans
- eu developing standards for algae ingredients and contaminants, as well as for algae biofuel
- 👤 examining the algae market and proposing market-stimulating mechanisms to support the transfer of technology from research to market

This initiative will help create a robust and sustainable industry and stronger algae farming as demand of seaweed products in EU is expected to reach EUR 9 billion in 2030.



Brussels, 15.11.2022
COM(2022) 592 final

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS**

Towards a Strong and Sustainable EU Algae Sector

{SWD(2022) 361 final}

EU Algae Initiative: 23 Actions

1. Algae farmers' toolkit*
2. Improve Access to Space & Multi-Use
3. CEN Standardisation of testing & extraction methods
4. Develop Biofuel Certification Methodology
5. Develop Fertilisers under Regulation (EU) 2019/1009
6. Develop Market-Stimulating Mechanisms
7. Develop algae-based feed
8. Promote Carbon Capture, Nutrient Extraction & LCA Methodologies
9. Reorientation of fishers
10. Support for SMEs (esp. via BlueInvest)*
11. Macroregional cooperation (SBEP)
12. Align with Aquaculture Assistance Mechanism

EU Algae Initiative: 23 Actions

13. Find evidence of algae as Blue Carbon Sinks

14. Establish an EU Biobank Network

15. Align safe levels of contaminants & iodine

16. Map existing Monitoring & Data for seaweed & beach cast

17. New Processing & Biorefinery systems

18. New Cultivation systems

19. Develop new Biofuels

20. Consolidation of data

21. Consumer awareness campaigns*

22. Labelling framework

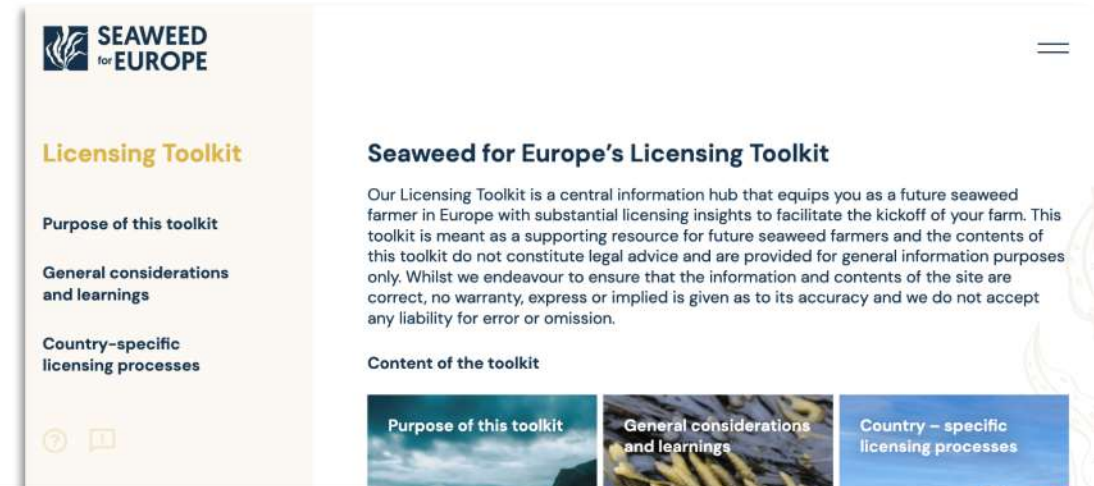
23. Awareness-raising in schools*

Working Group 7: Youth & Entrepreneurship

- Goal:
 - Explore tools and initiatives to attract more youth and entrepreneurs into the algae industry
- Expected outcome:
 - Overview on existing events & support tools to engage young scientists, entrepreneurs & start-ups into the algae Industry

WG7 Focus areas

- Engage Networks
- Engage Accelerators
- List Events
- List Funding Opportunities
- Consolidate Practical Training & Resources



SEAWEED for EUROPE

Licensing Toolkit

Purpose of this toolkit

General considerations and learnings

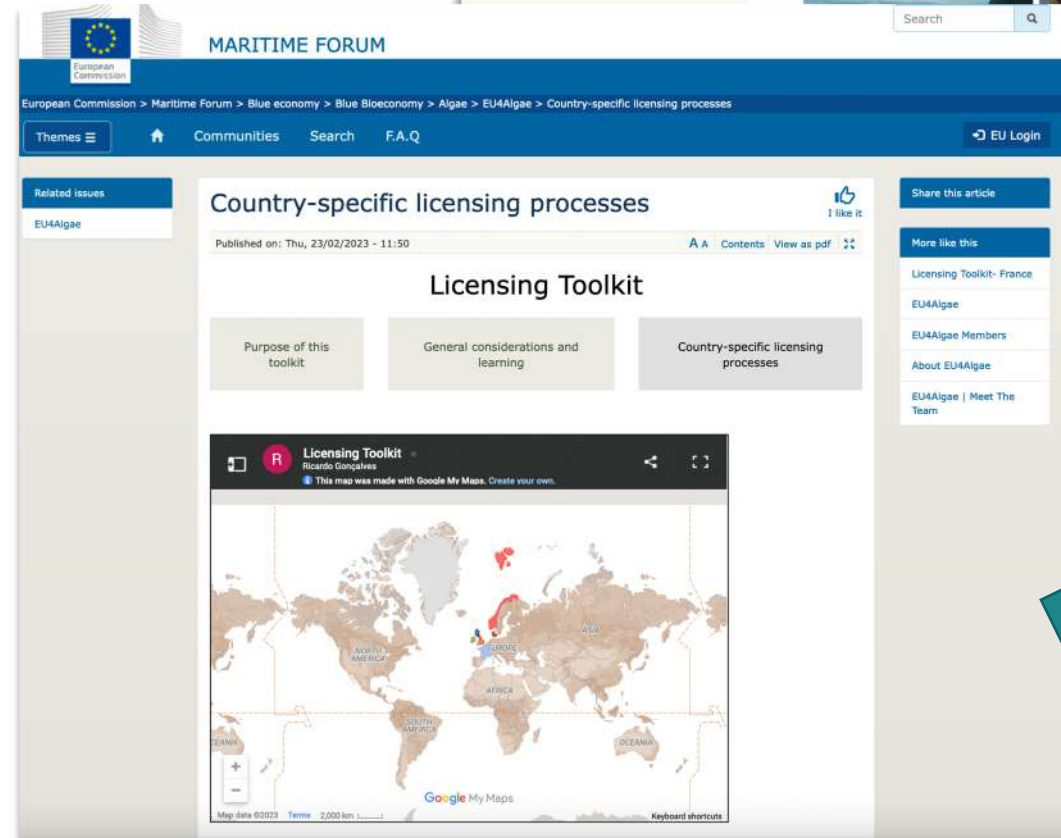
Country-specific licensing processes

Seaweed for Europe's Licensing Toolkit

Our Licensing Toolkit is a central information hub that equips you as a future seaweed farmer in Europe with substantial licensing insights to facilitate the kickoff of your farm. This toolkit is meant as a supporting resource for future seaweed farmers and the contents of this toolkit do not constitute legal advice and are provided for general information purposes only. Whilst we endeavour to ensure that the information and contents of the site are correct, no warranty, express or implied is given as to its accuracy and we do not accept any liability for error or omission.

Content of the toolkit

- Purpose of this toolkit
- General considerations and learnings
- Country – specific licensing processes



MARITIME FORUM

European Commission > Maritime Forum > Blue economy > Blue Bioeconomy > Algae > EU4Algae > Country-specific licensing processes

Themes | Home | Communities | Search | F.A.Q | EU Login

Country-specific licensing processes


Published on: Thu, 23/02/2023 - 11:50

Licensing Toolkit

Purpose of this toolkit | General considerations and learning | Country-specific licensing processes

Licensing Toolkit
Ricardo Gonçalves

This map was made with Google My Maps. Create your own.








Map data ©2023 | Terms | 2,000 km | Keyboard shortcuts

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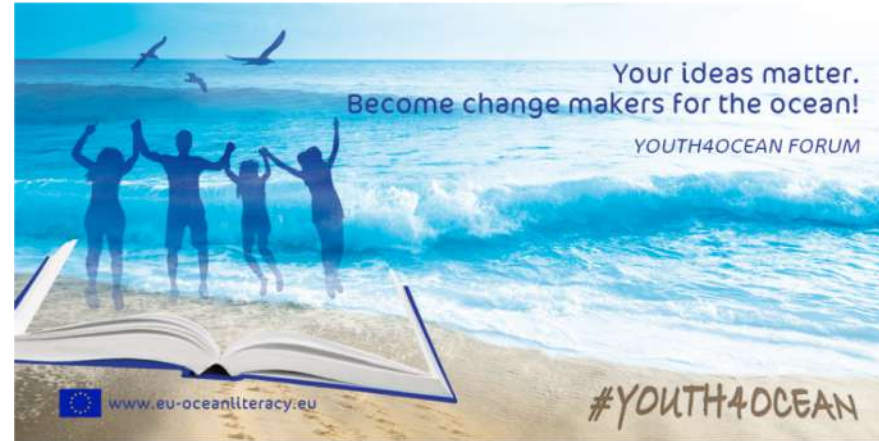
- Licensing Toolkit- France
- EU4Algae
- EU4Algae Members
- About EU4Algae
- EU4Algae | Meet The Team

Action Plan

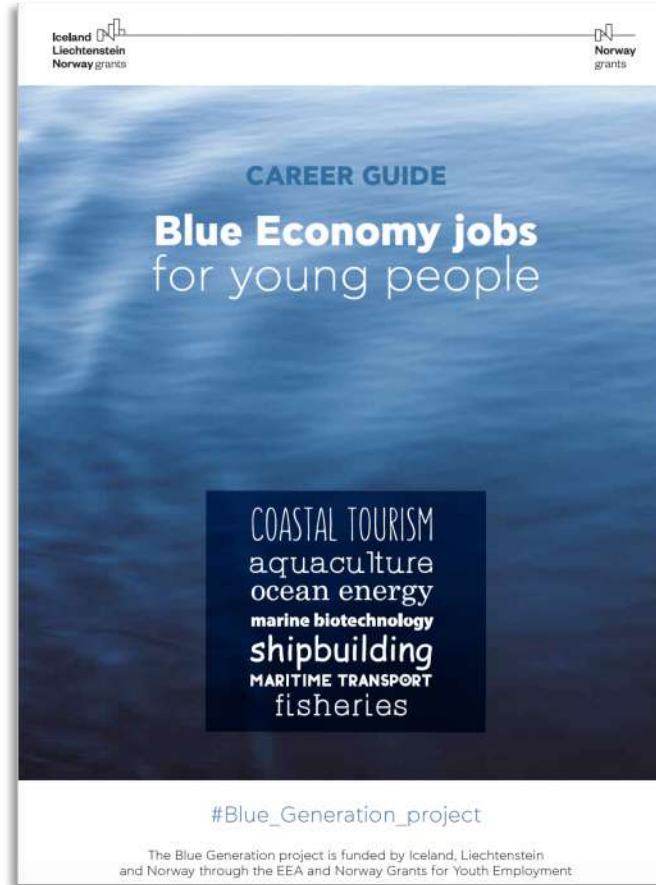
1. Map networks & support tools 
2. Host regular meetings 
3. Social media success stories 
4. Online repository on Maritime Forum 
5. Engage accelerators & youth groups 
6. ***NEW* Business support package**
7. Workshop / Webinar *“How to kickstart your career in algae”*
8. Follow-up actions

EU4ALGAE WORKING GROUP ACTION PLAN			
WG Name	Youth & Entrepreneurship	WG Number	7
Facilitator	Frederick Bruce	Organisation	s.Pro
Identified Constraints, Obstacles, and Issues			
C1: Navigation of regulatory landscape			
C2: Access to experts, business support, finance, markets, training			
General Objective			
To explore tools and initiatives to attract more youth and entrepreneurs into the algae industry			
Specific Objectives			
To 1) create and share an overview of events, support tools, platforms & communities to provide a clear pathway to a career in algae-related industries; and 2) to attract more young people and entrepreneurs to the algae industry.			
Working Groups Actions			
T1: Map stakeholders and establish contact with 10+ relevant youth & entrepreneurship networks / associations (e.g. European Youth Forum) and invite to WG meetings			
T2: Host 5x WG meetings (online or in-person) with rotational chair / host			
T3: 1+ Social media campaign with business “success stories” and endorsement from target groups, i.e. 1000+ likes / re-posts			
T4: Create online repository of information & resources (practical guidelines, finance, regulations, species, experts, facilities, markets) to be promoted via social media campaign (T1)			
T5: Present to or meet with 10+ Business Support Organisations (BSOs) to co-develop algae-related activities (e.g. hackathons) & algae-relevant business models (e.g. by sector, species, region etc.)			
T6: Co-design framework for 1+ algae apprenticeship scheme with relevant companies			
T7: Facilitate 1+ Workshop(s), Matchmaking event and/or Hackathon(s) e.g. “How to kickstart your career in algae”			
T8: Define follow-up actions to maintain momentum and monitor progress post-project			
Outcomes			
O1: Stakeholder map of target groups and contact persons at 10+ relevant youth & entrepreneurship networks / associations			
O2: 5x WG meetings (online or in-person) with rotational chair / host			
O3: Social Media campaign and target group endorsements: 1000+ likes / re-posts			

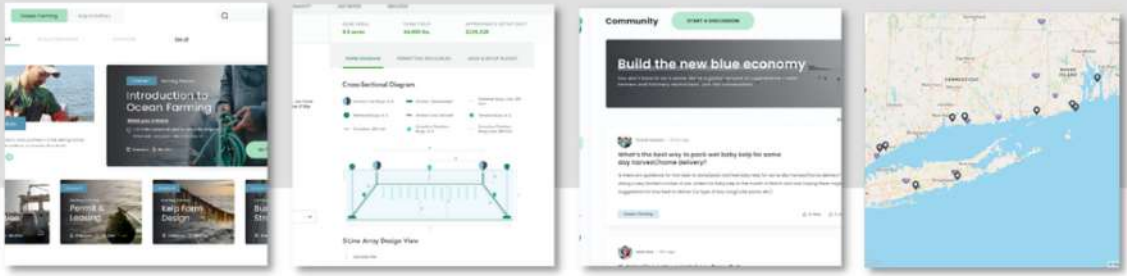
Networks & Events



Practical Training & Resources




Practical Training & Resources



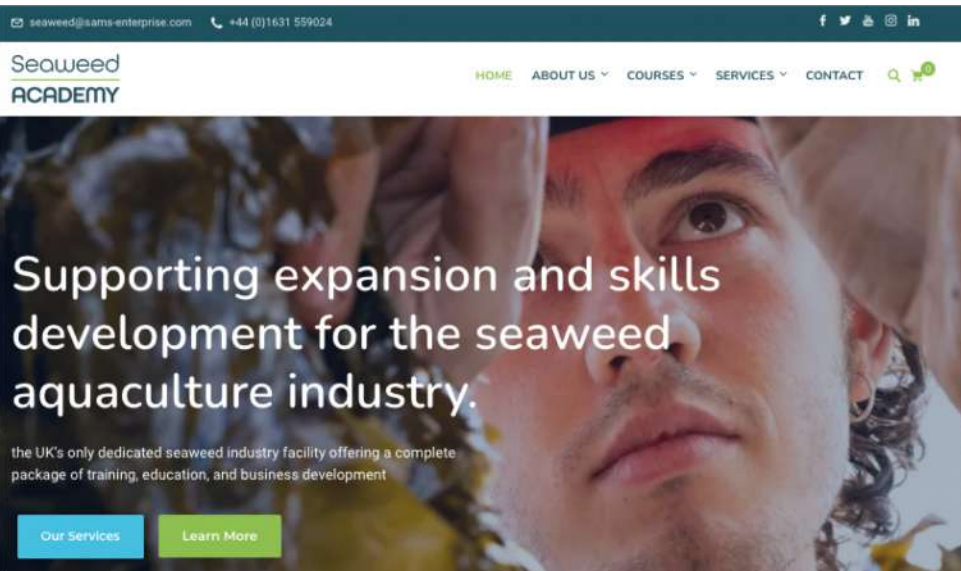
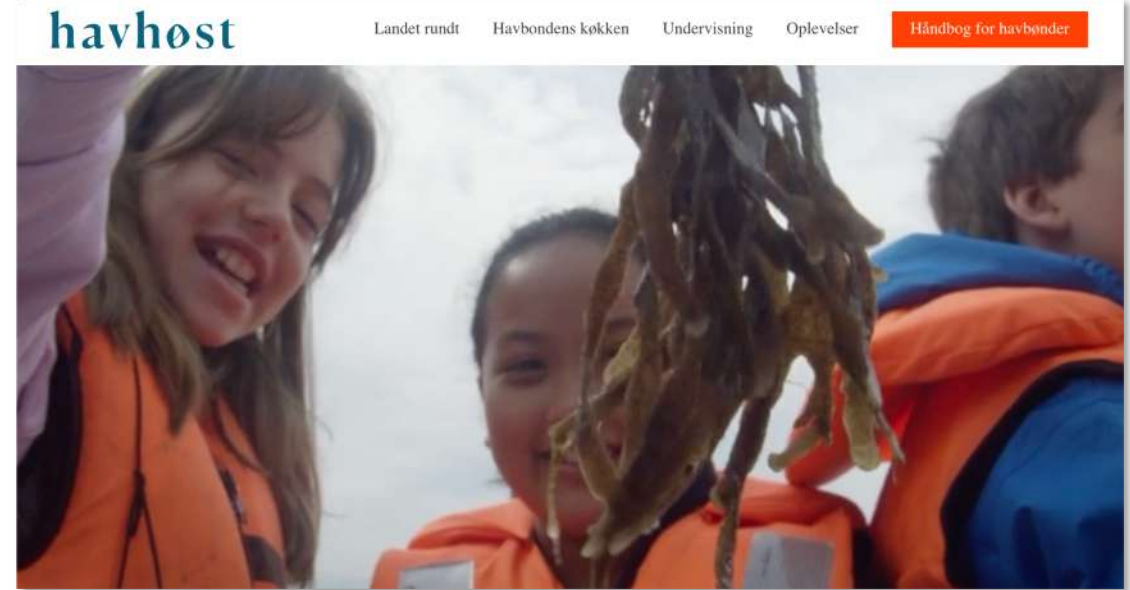
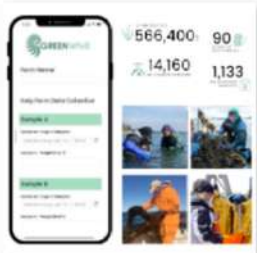
Courses **Farm Design Tool** **Community** **Seaweed Source**

Regenerative Ocean Farming Hub

WWW.GREENWAVE.ORG/HUB



Kelp Climate Fund



Supporting expansion and skills development for the seaweed aquaculture industry.

the UK's only dedicated seaweed industry facility offering a complete package of training, education, and business development

[Our Services](#) [Learn More](#)

Success stories



kairanordic



algoliner

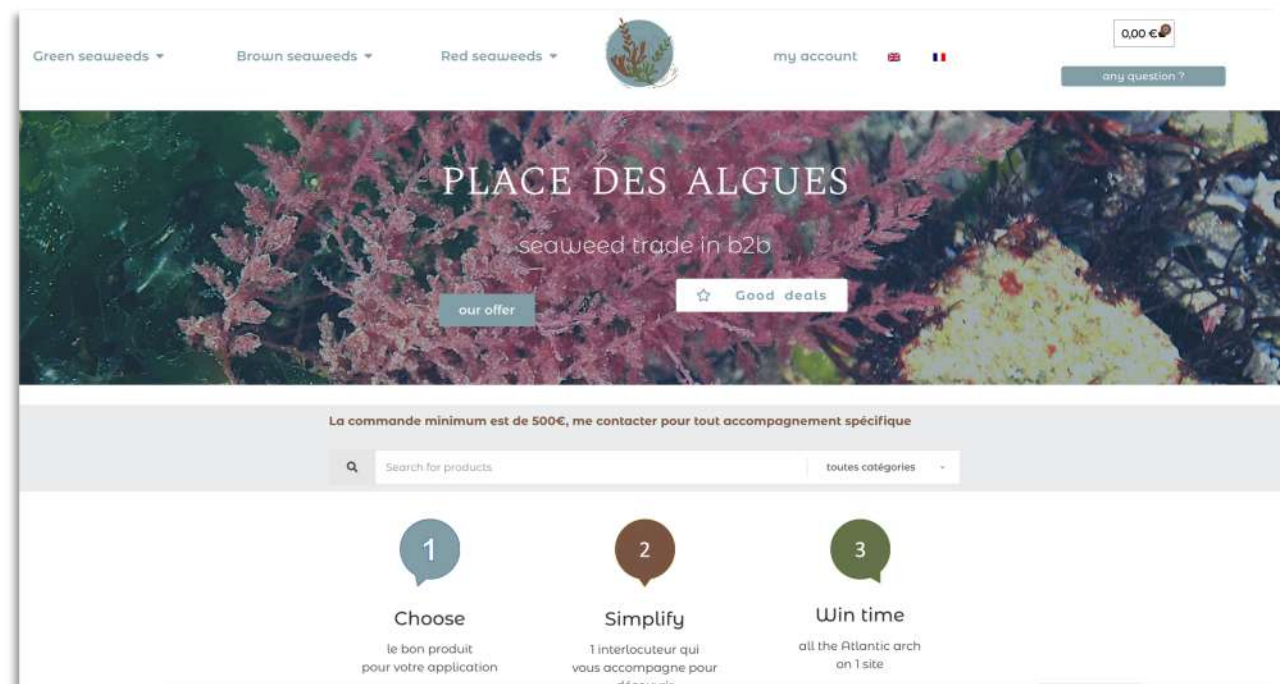
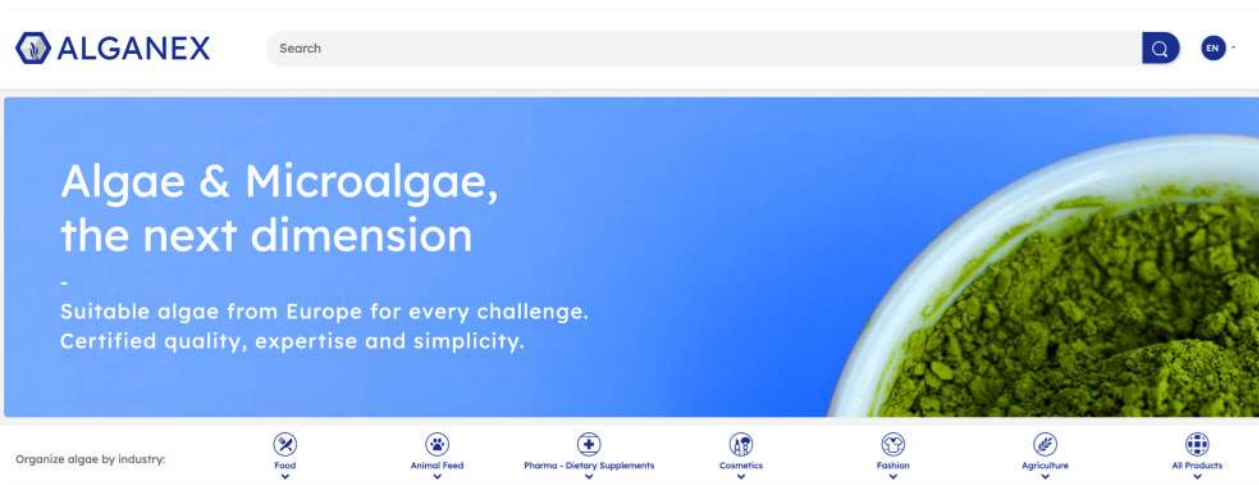
Inspiration from elsewhere...



Showcase Consumer Products?



Showcase B2B Market Platforms?




- Build trust between producers & buyers
- Practical services for businesses:
 - Testing
 - Regulation checklists
 - Customs forms
 - Sales & Marketing
 - **Producer Organisations (combining biomass)**



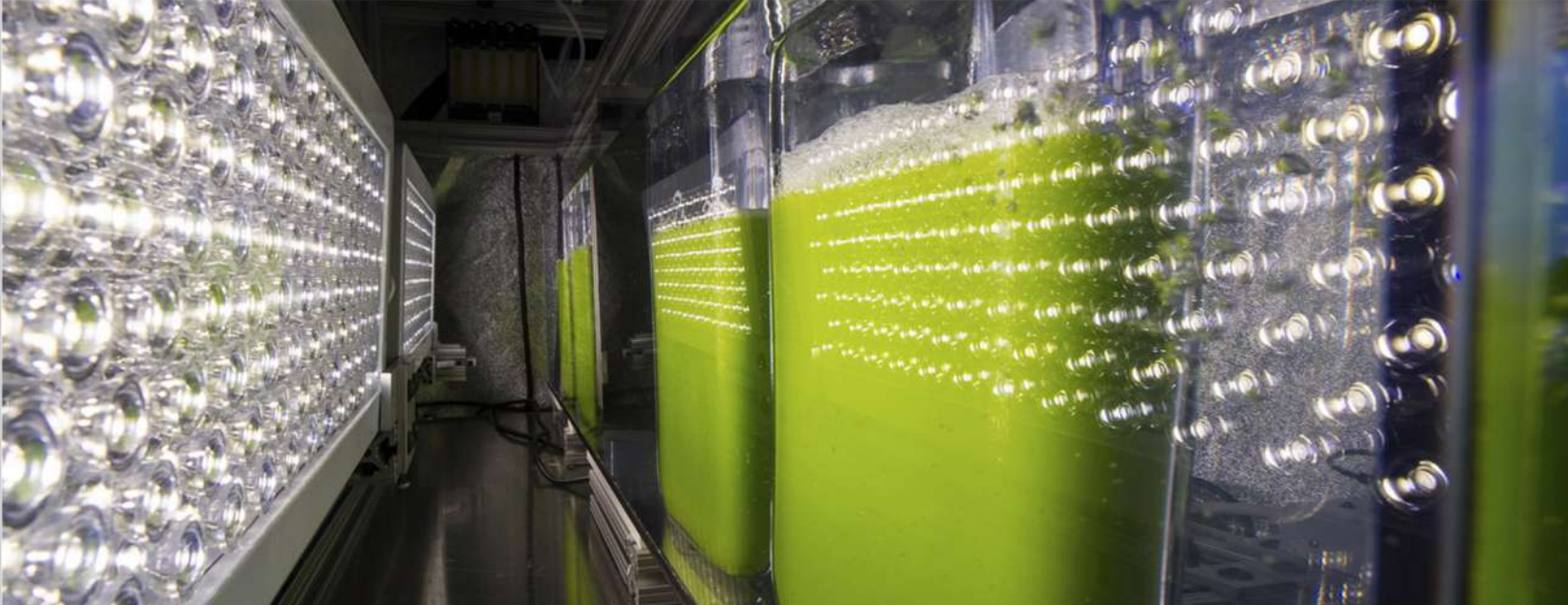
Educational Courses as a Business Case?

Algae Technology Educational Consortium (ATEC) is a Project of the Algae Foundation



ALGAE TECHNOLOGY
EDUCATIONAL CONSORTIUM

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A chlorella strain of algae growing in a tent reactor developed at NREL

Teaching Materials as a Business Case?

The screenshot shows the ALGAE Research and Supply website. The header is yellow with the logo and navigation links: HOW TO GROW, ORGANISMS, LESSON RESOURCES, SHOP, and ABOUT US. There are also icons for user, search, and cart. The main content area features three product cards, each with a circular image, a title, a description, and links for more information.

ALGAE
RESEARCH AND SUPPLY

HOW TO GROW ▾ ORGANISMS LESSON RESOURCES ▾ SHOP ABOUT US

👤 🔍 🛒 0

NANNOCHLOROPSIS

Our algae beads are perfect for studying photosynthesis and cellular respiration! They are durable, keep them in light bright enough to read.
[Algae Beads are Linked Here](#)

[Overview](#)
[Lesson Plan](#)
[Our Isochrysis Culture Kit is linked here.](#)

ALGAE-IN-A-BOTTLE

"This the experiment will introduce biology, oceanography, ecology, and environmental biology students to photosynthesis, aquatic productivity, food webs, carbon cycling, alternative fuels, sustainability, and carbon capture methods in a lecture or lab setting." This simple experiment has boundless applications in exploring aquatic science.
[Overview](#)
[Lesson Plan](#)
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BRAINY BRINY

Unlike other brine shrimp culture kits, this kit feeds the zooplankton what they eat in the wild-ALGAE! Simply place the culture flask in a bright place and the light will supply energy to the system. These kits are being used in classrooms all across the US to teach PHOTOSYNTHESIS and RESPIRATION. We include an analytical device called a SECCHI STICK. This Secchi stick measures optical density, which is a way to track biomass. We have a video of it's operation on YouTube (search for Algae Research and Supply Dirty Labcoat series of educational videos) The videos are both serious, and silly.

[Our Brainy Briny Kits are Linked Here](#)

Questions? We can help.
Chat with us now.

Challenge, Hackathon or Innovation Award?

BDC's First Book: *Grow the Future: Visions of Biodesign* →

bdc

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GROW THE FUTURE

Biodesign Challenge

scroll

Summer School / Bootcamps?

GAIN
Green Aquaculture Intensification

SUMMER SCHOOL

ECOLOGICAL TRANSITION IN AQUACULTURE

**FROM AUGUST 30TH
TO SEPTEMBER 3RD**

This project receives funding from the European Union's
Horizon 2020 research and innovation programme
under grant agreement No 773330 (GAIN)

(2021)

Timeline

1 hour meeting ca. every 6 months with a rotating chair

- ~~Q2 2022: Kick Off Meeting~~
- ~~Q3-4 2022: Session 1~~
- Q1-2 2023: Session 2
- Q3-4 2023: Session 3
- Q1-2 2024: Session 4
- Q3-4 2024: Session 5

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END OF MEETING		

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Join at
slido.com
#WG7



Thank you



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