

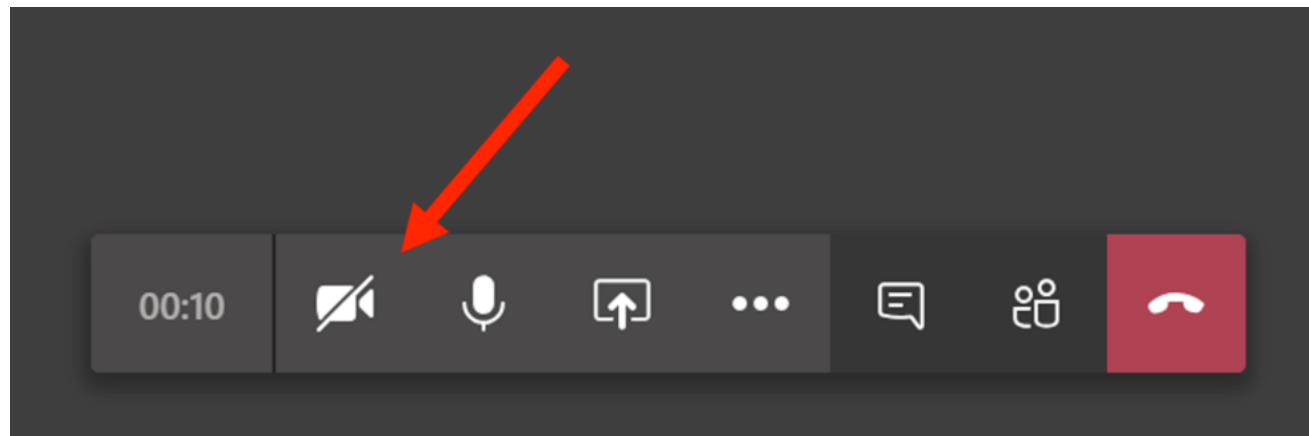
EU4Algae

a collaborative European stakeholders forum on algae

Recording

This meeting is being recorded for reporting purposes

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Agenda

Time	Item	Lead
13:00	Welcome	Efthalia Arvaniti s.Pro
13:05	Presentation for newcomers with Action plan for Algae4Eco	Efthalia
13:15	Timeline and planning for the priority activities over the next 2.5 years	Efthalia
13:30	Immediate next steps – studies, projects and interests in topics (MIRO)	Efthalia
14:15	EU4Algae Algae legislation survey and follow up	Efthalia
14: 20	Next WG5 events	Efthalia
14.30	Bioremediation and ecosystem services of algae - NATURE RESEARCH CENTRE Lithuania	Dr. Judita Koreivienė
END OF MEETING		

An underwater scene featuring a dense field of seaweed with long, thin blades. A small, dark fish is visible swimming in the background. The lighting is bright and slightly hazy, creating a serene and natural atmosphere.

EU4Algae

THE **ULTIMATE OBJECTIVE** OF THE **#EU4ALGAE** IS TO ACCELERATE
THE SCALE UP OF A REGENERATIVE, RESILIENT, FAIR AND CLIMATE
FRIENDLY ALGAE INDUSTRY IN EUROPE

About EU4Algae

Algae have been harvested, produced and consumed throughout the world for centuries. They are appreciated in especially Asian cuisine for their high nutritional value and distinct salty or umami taste. In recent years they have started to become a popular ingredient in Western diets. Outside of the culinary realm, algae are also increasingly seen as a sustainable feedstock for a wide range of applications such as fertilisers, animal feed, cosmetics, or bio-packaging.






The attractiveness of algae also comes from their regenerative nature: their production has positive impact on the ecosystems, helping improving ocean health, fighting climate change and stimulating biodiversity. They can also provide local sources of feedstock while creating good jobs in Europe.

In order to scale up a regenerative, resilient, fair and climate friendly algae industry in Europe, as well as bring more novel algae species to the European market, the European Commission has created EU4Algae.

EU4Algae consists out of an online platform where algae stakeholders in Europe can access knowledge, meet, discuss and find new opportunities to develop the algae industry.

EU4Algae in Practice - Implementation

EU4Algae is a 3-years initiative by CINEA and DG Mare, implemented by:

ORGANISATION	ROLE
	Group leader ; Project management; Development of EU4Algae structure and governance model; Coordination, and facilitation. Forum Strategic communication and community management; Development of Communication activities; Awareness raising and stakeholder acceptance - consumer behavior analysis; Advice on business acceleration services; support to facilitation of WGs. Ensuring legacy.
	Development of EU4Algae structure and governance model; Facilitators of EU4Algae working groups; Supporting a sustainable development of the industry; Support bringing more algae species to the EU market either as traditional or novel food, or as food supplements; Quality management activities.
	Task leaders (tasks 1.6 and 1.9) support to the business environment, increased involvement of young people, collection and assessment of algae related projects. Contribution to all other WP1 tasks, esp. the facilitation of EU4Algae online and physical working groups & meetings; Contribution to WP2 tasks, creating sustainable, self-financed multi-actor structures within the blue bioeconomy.
	WG facilitator for macroalgae production; Support Forum establishment preparation; Support analysis and stakeholder engagement to improve business environment and industry's sustainable development; stakeholder engagement with Seaweed for Europe Coalition; Quality Management Activities
	Responsible for the standardization and regulation topics, transversal to all WGs. Support in improving governance and the regulatory framework; WG Facilitator; Quality management activities.

EU4Algae in Practice - Activities

1. Establish, manage, coordinate and facilitate the European algae stakeholders forum EU4Algae

2. Ensuring continuity of EU4Algae stakeholders forum

3. To support bringing more algae species to the EU market either as traditional or novel food, or as food supplements

Strong focus on building synergies with other initiatives and networks such as EABA, Seaweed for Europe, Submariner Network. EU4Ocean, Blueinvest

EU4Algae in Practice - Stakeholders



Sector Players

- Working Groups
 - Action Plans
- Online Forum
- Events
- Advisory board
- Policy Recommendations



Consumers

- Behavioural Analysis
- Promoting Consumption
- Engaging in a multiplier effect

EU4Algae aims to be the proxy, an interface, connecting the many different stakeholders from the Algae sector in Europe and promoting consumption with the broader audience.

EU4Algae Working Groups – Objectives

- General Objective
 - To promote dialogue in specific areas of the Algae sector, involving multiple stakeholders in a hands-on experience to define an action plan and implement a series of actions that will drive the Algae industry in Europe.
- Specific Objectives
 - Each working groups will have the opportunity to co-created its own objectives, outcomes and actions to be implemented in the scope of EU4Algae.

EU4Algae – Structure

- Each Working Groups is composed by: Stakeholders, a Facilitator, a secretariat and a Chair of the working group.
- The European Algae sector and possible benefits should be always the core of the working group.
- The working groups will work primarily in defining an Action Plan.
- The Facilitator role is to foster, mediate and translate the discussions of the working groups into outcomes in the scope of EU4Algae.
- The Facilitator has the authority to manage the working groups according to its needs.
- All the working group participants should be EU4Algae members.
- The EU spirit should be the guiding line for the stakeholder's participation in the WGs

Project Overview

The EU4Algae Stakeholders Forum

Hosted on the EC Maritime Forum

https://webgate.ec.europa.eu/maritimeforum/en/communities_directory_mare

Direct link:

<https://webgate.ec.europa.eu/maritimeforum/en/frontpage/1727>

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, the 'Communities' section is displayed with a grid of 15 community cards. Each card has a title, a representative image, and a 'Read more' link. The 'EU4Algae' community card, located in the second row, second column, is circled in red. The other community 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.



Working Group 5

on Algae for Eco

Facilitators: s.Pro, EABA, EurA



WANTED ALIVE!

WG5 chair

- The Working Group Chair is the spokesperson of the working group. The reference for the members and representing their interests in front of the Facilitators and EU4Algae coordination.
- The WG Chair supports the dissemination of the WG's activities by fostering engagement and participation of the WG members in the EU4Algae activities.
- The WG Chair also can provide direct feedback on the WG's outcomes/deliverables and has a guaranteed spot in all the EU4Algae events.
- The WG Chair will change every 6 months.

Timeline WG5

- **M11:** Legislation Session 15. November
- **M12 / 12. Dec 2022:** Session 1
- **M17 / May 2023:** Session 2
- **M23 / Nov 2023:** Session 3
- **M28 / Apr 2024:** Session 4
- **M35 / Nov 2024:** Session 5

WG4 Action Plan

EU4ALGAE WORKING GROUP ACTION PLAN			
WG Name	Algae4Eco	WG Number	5
Facilitator	Efthalia Arvaniti	Organisation	<u>s.Pro</u>
Identified Constraints, Obstacles, and Issues			
<p>Bioremediation and other ecosystem services provided by algae have been extensively studied in Europe (and overseas) for decades and by now are widely accepted by scientific and engineering community. EU4Algae and the EU algae initiative target research and innovation activities involving EU-wide stakeholders to remove relevant barriers to adoption of these algae technologies and accelerate market access for the ecosystem services they provide.</p> <p>Some focus sectors for algae bioremediation and ecosystems services are:</p> <ul style="list-style-type: none">• Macroalgae produced near-shore or in tanks on-shore, that protect marine <u>ecosystemsems</u> and their natural capital, and provide crops that capture nitrogen, phosphorus and other pollutants.• These include “integrated multi-trophic systems” (IMTA) that combine aquaculture production of fish, shellfish and others with algae production.• Microalgae produced on shore, integrated with water and wastewater (<u>e.g.</u> municipal, industrial), of for higher value products.• Industrial symbiosis systems, agro-industrial parks, that can combine water, energy and material exchange, <u>e.g.</u> CO2 utilization, with utilities, agriculture, industrial, food etc.			

Objectives

1. Promotion of algae services (as products) by improving the business environment and cooperation across the algae ecosystem service-related value chains.
2. Engagement of the relevant algae industry, regulators and R&D.

Outcomes/deliverables

The planned deliverables by the end of 2024 are:

1. **A knowledge hub with a project repository, and factsheets** addressing benefits and risks and potential of bioremediation and ecosystem
 2. **Regulatory barriers with recommendations for accelerating innovation and market uptake** of bioremediation schemes and ecosystem services
 3. **Factsheets on state of play of and innovation roadmaps** for algae bioremediation and ecosystem services R&D needs
 4. A Framework for quantifying ecosystem services
 - a. Monitoring
 - b. Good practices
 - c. Business models
 - d. Scalability – sensitivity
- Meet 5x online or physically, usually for half a day or one day and back-to-back with existing events e.g. EMODnet open conference, Blue Cloud, European Algae Biomass Association annual meeting (AlgaeEurope), etc.

Tasks

1. Collect a repository of projects and studies regarding ecosystem services and bioremediation, science to policy, and good practices. (s.Pro...)
2. Promote good practices, pilot sites, testing labs etc. working with algae ecosystem services and bioremediation. of selected cases (s.Pro...)
3. Select cases to analyse further (Tasks 4-7) (s.Pro...)
4. Analyse for selected cases innovation ecosystem and analyse innovation barriers and enablers
5. Integrate knowledge from relevant studies and project results (s.Pro...)
6. Define next level of R&D needs of most important themes (s.Pro...)
7. Develop other recommendations towards quantification of ecosystem services at scale (in collaboration with other DG MARE projects – which?)

Next Steps

1. **Appoint a chair** (s.Pro)
2. **Set up communication platforms** (SharePoint, Teams)
3. **Set up knowledge hub: projects, actors, studies** (s.Pro)
4. **Send survey on legislation barriers** (Technopolis)
5. **Define follow-up actions** (s.Pro)

Timeline

- **M11:** Session legislation 15. November
- **M12 / 12. Dec 2022:** Session 1
- **M17 / May 2023:** Session 2: Guest speaker 1
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- **M28 / Apr 2024:** Session 4: Guest speaker 3
- **M35 / Nov 2024:** Session 5: Guest speaker 4

MIRO

To the MIRO board...

Follow-Up Tasks

- Chair for next meeting?
- Update & share Action Plan (s.Pro)

Who does what?

1. **Appoint a chair** (s.Pro)
2. **Set up communication platforms** (SharePoint, Teams)
3. **Set up knowledge hub: projects, actors, studies** (s.Pro)
4. **Send survey on legislation barriers** (Technopolis/ EU4Algae comm team)
5. **Define follow-up actions** (s.Pro)

Algae legislation survey

[Take the survey](#)

EU4Algae Survey on algae regulation

Fields marked with * are mandatory.

Disclaimer

The European Commission is not responsible for the content of questionnaires created using the EUSurvey service - it remains the sole responsibility of the form creator and manager. The use of EUSurvey service does not imply a recommendation or endorsement, by the European Commission, of the views expressed within them.

Pages

Start

Intro

Barriers

Best practices

Conclusion

This survey is part of a study conducted by EU4Algae, assessing the current legislative landscape for the Algae sector in the EU.

The main aim of this study is to identify legislative measures that could be taken to help develop the algae sector in the EU. Many questions in this survey are related to (perceived) barriers/difficulties in the EU legislation.

Your input and feedback is highly valuable. By providing your honest feedback, you can help improve legislation and foster adoption of algae and algae-based products on the EU market.

We will present the survey results (anonymized) to the Working Groups in November.

The survey should not take more than 15 minutes to complete. You can pause this survey at any time and complete it later. Your responses will be treated with strict confidentiality and processed in an anonymized and aggregated form. This survey is carried out by Technopolis Group. For our data policy, please refer to this link.

Should you have any questions related to this survey or study, please do not hesitate to contact Erwin Karsten at erwin.karsten@technopolis-group.com. Thank you very much for your participation.

Next

Next EU4Algae events

- Next EU4Algae WG5 workshop – 15. November
 - Event is focusing on results on Legislation survey and follow up – led by Technopolis Group & s.Pro (EU4Algae)
- 1st Algae4eco WG5 Annual Meeting in Rome on 12. December 2022, during the EU4Algae Annual Event (back to back to AlgaEurope conference) - SAVETHEDATE
 - Event is focusing on Standardization and Regulation sessions

Any other business & Wrap-Up

EU4Algae Partners



Thank you!