



Workshop on algae and blue bioeconomy

12 December 2022

**SYNERGIES AND CLUSTERING
BETWEEN MARITIME PROJECTS**

NEW IDEAS FOR A SUSTAINABLE BLUE ECONOMY

What the project's about

- ▶ Evaluate the long-term impact of EMFF/EMFAF grants. What impact do grants make on their beneficiaries?
- ▶ Give visibility to success stories through articles and video interviews
- ▶ Organize workshops to share best practices and foster synergies and cooperation between project beneficiaries

Cluster story: Algae and blue bioeconomy



Published on: Tue, 25/01/2022 - 18:32

[A A](#) [View as pdf](#) [1 like](#) [🔄](#)

Algae are critical to our existence. They produce roughly 50% of oxygen on earth, thus contributing to ocean and coastal productivity, as well as to food security.



© damiedias - stock.adobe.com

Algae are fascinating life forms. Not only have they been around for over a billion years, they also reign as the ancestors of all aquatic and land plants on earth. Without plants to feed on, aquatic organisms would never have evolved into fish which, in turn, would never have evolved into land animals, including humans. And despite their

Q1: How to build a sustainable & scalable market?

- ▶ More money!
- ▶ First there's a need for defining what the "right" market is
- ▶ Value chain approach is needed
- ▶ Increase demand for high-value species & target high-revenue applications. This will increase pressure for getting more space for farming and will avoid competition with the Asian market
- ▶ Circular and zero-waste biorefineries
- ▶ Work on regulation. Obtaining a licence is a lot of blood, sweat and tears
- ▶ Multi-use of ocean space
- ▶ Know more about local populations
- ▶ Knowledge sharing also with other countries
- ▶ RAS can be more cost-effective

Q2: How to structure the right model between raw material producers, technology providers and industry

- ▶ There are many farms/production plants around Europe, but where to process seaweed? Especially because it has to be kept fresh
- ▶ It's even more difficult with fish waste. How to make sure to get access to a stable supply?
- ▶ Biorefinery can be a solution to make sure that the same raw material can serve different industries
- ▶ EU network of biorefineries: missing stakeholder
- ▶ Lack of standardization of products and production methods. But farming reduces variability

Q3: What can the EC do to address current research/technology gaps and to foster synergies between project beneficiaries?

- ▶ More money!
- ▶ First know where the bottlenecks are
- ▶ There's an open consultation to define Horizon Europe next priorities
- ▶ The Novel Food Regulation may hamper innovation
- ▶ It's important to reduce burden for innovations. Dedicated legislation at EU level to speed up entry into market
- ▶ Study the effects of polyphenols on human & fish health
- ▶ FISH4FISH films can also be used for agriculture
- ▶ Good to have “capitalization calls” for beneficiaries of different projects to get together and scale up
- ▶ So far, there's been a difficulty in attracting big players
- ▶ Open days for project beneficiaries

Q4: How to increase consumer awareness? Creating a demand for marine bio-based products

- ▶ There's a lack of clarity regarding bioplastics
- ▶ More educational campaigns (EU4Algae has a role here). See what's being done with marine litter in schools
- ▶ Focus on ocean can be misleading
- ▶ Real focus must be on sustainability



- What are EU Missions?
- What this EU Mission deals with
- Funding opportunities
- Mission Charter
- More information
- Contact
- Latest
- Related events
- Documents
- Related links

Funding opportunities

New funding opportunities are now open to contribute to the Mission implementation.

The Horizon Europe Work Programme 2021-2022 amendment was adopted on Tuesday 10 May. Under this amendment, new calls have opened and they are published on the [funding and tenders portal](#). You can access the calls for this Mission below. Applications are open until 27 September 2022.

[Open calls](#)

Mission Charter

We are calling on Member States, regions and a wide range of stakeholders to endorse and pledge actions that will contribute to the successful implementation of the Mission lighthouses.

Please click below to endorse the Charter and pledge actions

[Endorse the Charter >](#)

More information

- [mission-oriented policy for Horizon Europe](#)
- [Horizon Europe](#)
- [co-design session on oceans mission at Research and Innovation Days \(video\)](#)
- [EU Missions info days 2022](#)

Mission website Link to Endorse the Charter

Endorse the Charter >

[The Charter for the Mission “Restore our Ocean and Waters by 2030” | European Commission \(europa.eu\)](#)



SYNERGIES AND CLUSTERING BETWEEN MARITIME PROJECTS

NEW IDEAS FOR A SUSTAINABLE BLUE ECONOMY

Thank you



*Remember to subscribe to
the Synergies and
Clustering online
community*