O BLUE MISSION BANOS

1st MISSION ARENA

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Education, Youth and Business Support for the European Algae Sector

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THEME: Upskilling the blue bioeconomy





ABOUT EU4ALGAE

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

The tender 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.















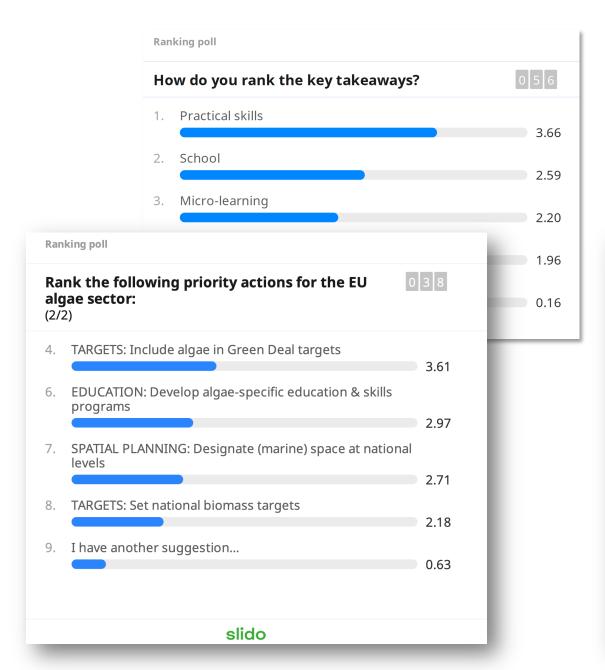


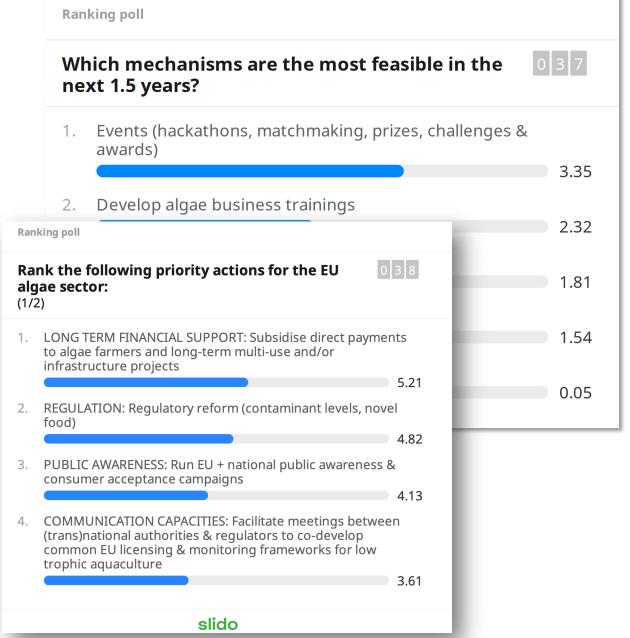
Overview of Education, Youth & Business Support for the European Algae Sector



- Identify and communicate barriers and enablers
- Short term (e.g. events, business matchmaking)
- Long term (e.g. school curricula integration)
- 26 recommendations

"To accelerate the upscaling of the European algae industry, access to information, training, technology and bioresources must be **democratised**."





Algae Career pathway

Primary



Secondary



Tertiary



Vocational, Entrepreneurial & Professional



Incubators & Accelerators



Start -ups



Small or Medium Enterprise



Large Enterprises



Business pathway

Where are you on your algae journey?

Depending on where you are on your algae journey, you will need a different type of support. This section divides algae support tools and resources into different stages: learning, networking, business planning, collaborating, buying and selling. Each stage includes a brief overview of the types of support available, with a link to a support database.

3 - Business Planning

Support for planning your business can be provided by university incubators and business accelerators, as well as tools to understand funding, spatial planning and markets trends.

2 - Networking

Another great way to learn about algae, find employment or connect with business partners is through networking. Europe is home to a host of conferences and events, business matchmaking platforms as well as youth, startup and industry networks and associations.

5 - Buying & Selling

There are a number of market platforms emerging for European algae, as well as industry-related media outlets for product promotion and industry news.

4 - Collaborating

Collaboration is key to the growth of the European algae industry. Support for collaboration can be found through projects, networks, working groups, conferences and events. These are crucial to the formation of Producer Organisations, distribution networks and for vertical integration.

1 - Learning

There are myriad ways to learn about algae. Educational resources such as webinars, handbooks, scientific publications, projects, online courses, toolkits and databases, volunteering internships and study opportunities. These types of learning resources are also useful for educators, regulators and policymakers.

Access the EU4Algae support database:



Gap Analysis Results

Business support

- Lack of business training in academic studies
- Lack of accelerator capacities
- Lack of subsidies (uncompetitive)
- High CAPEX/OPEX (high barrier; high risk)
- Lack of market entry points (biorefineries & product developers)
- Market entry too expensive (claim substantiation, regulation)
- Lack of consumer pull (e.g. "contains algae" label)

Youth support

- Events and courses are not affordable for target groups
- Few seafood start-ups
- Generally masters level or above (high barrier)
- Lack of informal & vocational training opportunities
- Lack of industry placement opportunities
- Teaching materials and resources not readily available

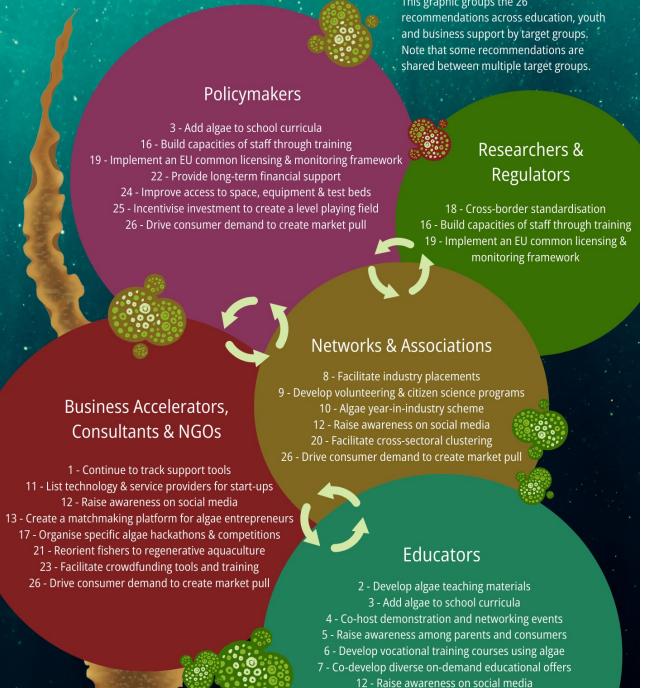
Recommendations for Education and Youth

- 1. Continue to track & consolidate new support tools & resources
- 2. Develop teaching and demonstration material
- 3. Add algae to the national school curricula
- 4. Co-host demonstration and networking events
- 5. Raise awareness among parents and consumers
- 6. Develop vocational training courses
- 7. Co-develop diverse on-demand educational offers
- 8. Facilitate industry placement
- 9. Develop volunteering & citizen science programs
- 10. Algae year-in-industry scheme

- 11. List technology & service providers for start-ups
- Raise awareness on social media
- 13. Create a matchmaking platform for algae entrepreneurs to team up
- 14. Establish an algae academy for "algaepreneurs"
- 15. Develop an algae jobs and training portal
- 16. Build staff capacity through training

Recommendations for Business support

- 17. Organize specific algae hackathons & competitions
- 18. Cross-border standardisation
- 19. Implement an EU common licensing & monitoring framework for member states
- 20. Facilitate cross-sectoral clustering
- 21. Reorient fishers to regenerative aquaculture and low-impact fishing
- 22. Provide long-term financial support
- 23. Facilitate crowdfunding tools and train for grassroots initiatives
- 24. Improve access to space, equipment & test beds
- 25. Incentivise investments to create a level playing field
- 26. Drive consumer demand to create market pull



14 - Establish an algae academy for "algaepreneurs" 15 - Develop an algae jobs and training portal

Who should put these recommendations into practice?

Key Takeaways

7. DRIVE CONSUMER DEMAND

Create market pull

Run an EU-wide public awareness campaign to promote the health

6. INCENTIVE INVESTMENT

Create a level playing field

BUSINESS

Creating business certainty and investor confidence through subsidies, compensation schemes

5. TESTBEDS

Create space for experimentation & demonstration

Facilitate test beds for low-risk development of business ideas



Educate regulators, governments & professionals

Develop educational courses specifically for civil servants, government officials

3. PRACTICAL SKILLS

Facilitate practical placements

Incentivise connections between learners and businesses

2. MICROLEARNING

Develop dynamic e-learning offers

Let people choose when and how they learn with accredited courses

1. SCHOOLS

EDUCATION

Put algae on the curriculum

Get algae on the syllabus in schools to promote early positive exposure

Thank you!

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