

BLUE MISSION BANOS Mussel & farm size matters: elucidating science facts and finding the way forward together

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THEME: Blue biomass production in the region



in 🎔 #MissionArenaBANOS1

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Funded by the European Union

Creating a climate neutral and circular blue bioeconomy

"The EU Mission Ocean directly contributes to making the EU a front-runner in the transition to a sustainable and circular blue economy and to drive the new wave of innovations this transition requires."



CARBON-NEUTRAL & CIRCULAR ECONOMY





Mussel farming projects



Baltic MUPPETS

Developing a new value chain for mussels from the Baltic Sea while providing ecosystem services



Blue Mussels 2.0 -Establishing blue mussel as a feed ingredient for BLUE poultry MISSION BANOS

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Circular low trophic offshore aquaculture in wind farms and restoration of marine space



Advancing ocean multi-use viability in European waters



Offshore Low-Trophic Aquaculture in Multi-use Scenario Realisation in North and Baltic Seas



Reviving ocean farming, conservation, and community prosperity in Europe





Our BalticMUPPETS preliminary targets for mussel farming (no off-shore data)



Mussel	DK (Western	DE(Western	SE (Central Baltic)
Farms	Baltic)	Baltic)	
Now	45 mussel farms (ca. 8kT)	1 mussel farm	6 mussel farms in the Baltic / more farms in West Sweden
2030	100-120	3 mussel farms	2 new farms in the
	mussel farms	(more if faster	Baltic with together
	(100kT)	licensing)	2,000t/y









Your suggestions:

what we know and do not know about mussel farming sizes and scaling up to

- ensure environmental benefits (area, pther factors)
- match with industry demands to make it work e.g. 20kT rule?

How many mussels can we harvest by 2030? What area needed?

What it takes to reach these targets by 2026?





Plan

Time	Description titles	Speaker
09.00-09.10	Welcome introduction	Efthalia Arvaniti, SUBMARINER
09.10-09.25	Social acceptance and to how to improve it	secretariat Nardine Stybel EUCC - DE &
09.25-09.35	On the feasibility of mussel meal production for not fead in the Poltic Sea	Anne Stald Møllmann, Ocean Harvest
09.25-09.55	On the feasibility of mussel meal production for pet feed in the Baltic Sea	Peter Krost, Coastal Research and Management
09.35-09.45	Basin scale modelling of ecosystem services and impacts by suspended mussel culture	Marie Maar, Aarhus University
09.45-09.55	Mussel mitigation farming: scalability and nutrient removal capacity under different placement scenarios	Andreas Holbach, Aarhus University
09.55-10.25	Q&A, moderated discussion with audience & poll	Efthalia Arvaniti SUBMARINER
10.25-10.30	Closing & what comes next?	



Our preliminary targets for mussel products

1. Blue products

a.Mussels/oysters: in 5-7 years

a. pet food markets: 20kT (DK/WB)

- b. Food 80kT (DK/WB))
- c. biomaterials (biorefinery)

>> Transition from importing from overseas to local feed production









Area needed to break even

- WB case: 80% food / 20% feed = 20kTonnes = 20 Ha
- CB case: 100% feed = 20kTonnes/y = 40 Ha





Continue the conversation on Blue Bio Match!

MEET YOUR BLUE ECONOMY MATCH



Join the Blue Community!





Efthalia Arvan an hour ago

Ready set go! Let's continue the discussion of Mussel sizes matter wokshop beyond the Mission Arena next week! Check the Mussel WG for more updates on

• what we know and do not know about mussel farming sizes to ensure environmental benefits are met AND match with industry demands to make it work and scale up in the future? We need everyone on board!



Mussels Working Group

Live feed Members Events News Media centre Forums Mentoring





O BLUE MISSION BANOS

https://bluebiomatch.eu

Coming up next:



BANOS

UNITED FINAL EVENT: From Benefits to Business -Strategizing commercialization of ocean multi-use

Pascal

UNITED

From research solutions to disruptive innovation – tools and gaps

Hall 1