

Brokerage event part 1

BlueBio 1st Additional call

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ERA-NET Cofund on Blue Bioeconomy Unlocking the potential of aquatic bioresources

1 December 2018 – 30 November 2023



JPI
OCEANS



MarineBiotech

A graphic element for the MarineBiotech logo, consisting of a wavy, ribbon-like shape in shades of blue and green.

ERA-NET Cofund on blue bioeconomy – Unlocking the potential of aquatic bioresources Value chain concept / approach



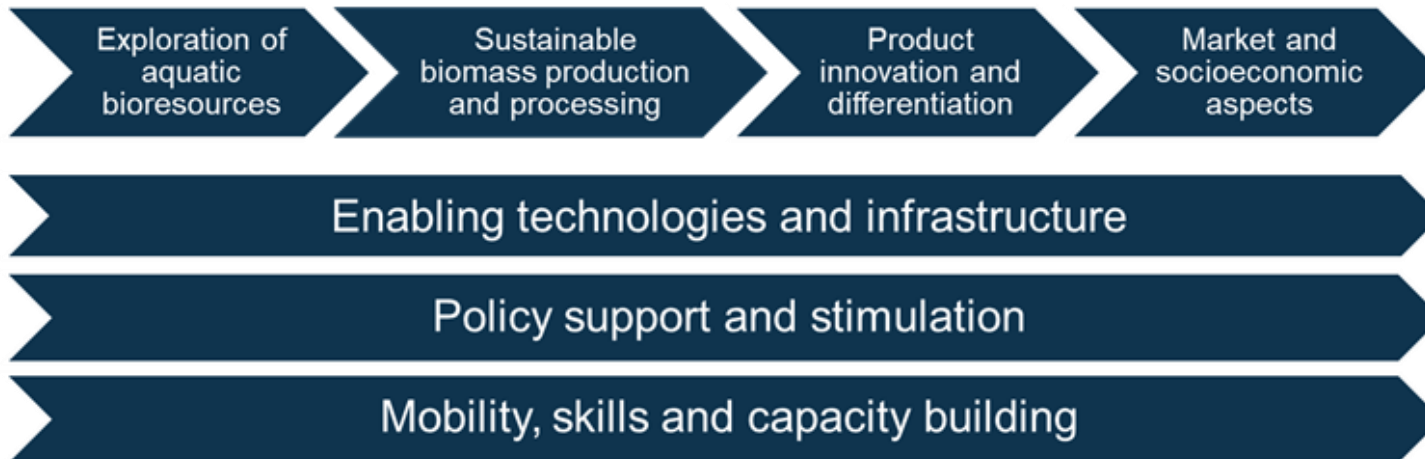
R&I areas along the value chains – **From biomass to products and markets**

Bioresources e.g.

Fish and Shellfish
Algae, Sponges, Fungi
Microbiomes, Waste

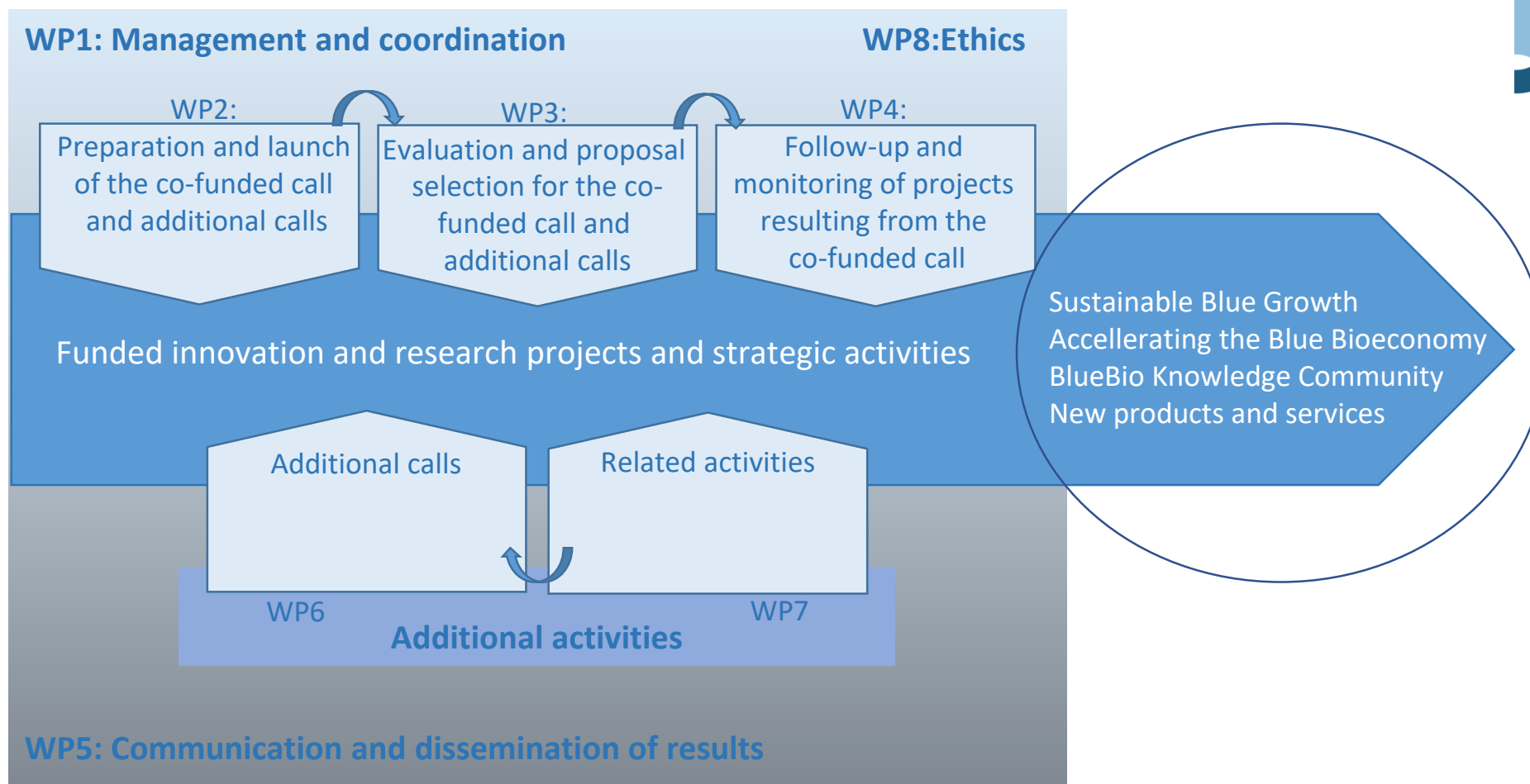
Biobased products and services e.g.

Food and Feed, Nutraceuticals
Cosmeceuticals, Pharmaceuticals
Biomaterials, Bioenergy



- New blue bioresources, incl. waste
- Improvement of existing value chains, incl. circular economy
- New use of traditional blue bioresources
- Cross-cutting and supportive issues





Scope first cofunded call

Launched 17 December 2018

Projects for funding selected 11 November 2019



Priority area 1: Exploring new bioresources

Priority area 2: Exploring improvements in fisheries and aquaculture

Priority area 3: Exploring synergies with other sectors

Priority area 4: Exploring Biotechnology and ICT

	PA1	PA2	PA3	PA4	Total
Pre-proposals received	41	24	13	5	83
Invited for full proposals	22	11	2	5	35
Selected for funding	12	6	1	0	19



Outcome of the cofunded call



PA	Project	Coordinator		
		Institution	Person	Country
1	AquaHeal3D	Regenics	Henrik Lund	Norway
2	AquaHealth	TUHH	Kerstin Kuchta	Germany
2	AquaTech4Feed	HAO -DEMETER	Giorgos Markou	Greece
2	BESTBROOD	Nord University	Jose Beirao	Norway
1	BIOSHELL	ICECHIM	Anita-Laura Radu	Romania
1	BIOZOOSTAIN	UI	María Gudjónsdóttir	Iceland
1	BlueCC	Nofima	Runar Gjerp	Norway
1	CASEAWA	UNIBO	Giuseppe Falini	Italy
2	DIGIRAS	Sintef Ocean	Roman Netzer	Norway
2	ImprovAFish	NMBU	Phillip Pope	Norway
2	InEVal	AWI	Matthew Slater	Germany
1	MARIKAT	MATIS	Gudmundur Hreggvidsson	Iceland
3	MedSpon	AWI	Joachim Henjes	Germany
1	MINERVA	NUI Galway	Dagmar Stengel	Ireland
1	PlastiSea	SINTEF AS	Øystein Arlov	Norway
1	RASbiome	NTNU	Ingrid Bakke	Norway
1	SIDESTREAM	Sintef Ocean	Arne Malzahn	Norway
1	SNAP	SINTEF AS	Håvard Sletta	Norway
1	SuReMetS	UiT	Jeanette H Andersen	Norway

Funded **19 projects** requesting **25.25 million euro**.

- 19.3 million euro from BlueBio partners and
- 5.95 million euro from EC
- Deadline for start of projects 1 Sept
- More information on our website <https://bluebioeconomy.eu/>

Priority area 1: Exploring new resources Priority area 2: Exploring improvements in fisheries and aquaculture
 Priority area 3: Exploring synergies with other sectors Priority area 4: Exploring Biotechnology and IC

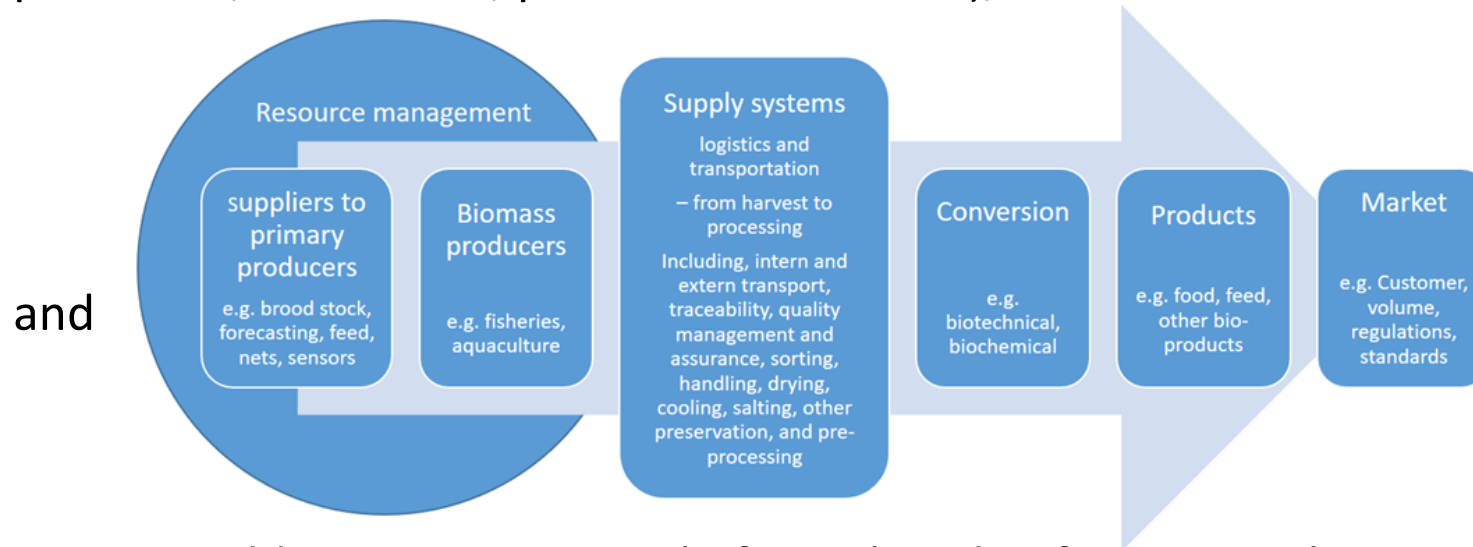
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 817992.



1st Additional call: Advancing the supply systems in the blue bioeconomy value chains



- address supply systems challenges, but can reach out to the other parts of the value chain as it may be of relevance to the supply system challenge (suppliers to primary producers, biomass producers, conversion, products and market),



- address one or several of a multitude of aspects in logistics and transportation from the producers to markets ranging from sorting, handling, drying/cooling and other preservation techniques, or preprocessing, covering bio-resources used for food, feed, pharmaceuticals or other alternative end products.



Expected impacts



Projects are expected to deliver impacts on one or several of the following areas:

- Biomass information throughout the value chain **to support traceability and quality monitoring.**
- Potential measures in the value chain which can **enhance food-based products and feeds.**
- Approaches, which improve **consistent quality and quantity of biomass** to the value chains.
- Pre-processing approaches, which can assure **quality characterization and preservation of biomasses** as near as possible to the harvesting activity
- Develop solutions that **reduce production of waste**
- **Reduce energy consumption and CO2 emissions**, while maintaining/improving the quality
- **Reduce the environmental footprint** and enhance the adoption and use of circular/co-farming systems
- Improve the ability to **take advantage of the inherent seasonality** in the availability of the bio-resources.
- Improve the ability to **take advantage of the diversity** of the bio-resources.
- Overcome supply systems challenges faced by **emerging and new uses** and identify cost reductions



Responsible Research and Innovation



RRI – Key issues and process dimensions

Projects will have to address Responsible Research and Innovation issues, i.e. stakeholder dialogue about safety and sustainability of food, acceptable products, policymaking, professional skills, training, mobility.

Human Capacity Building

Training and mobility activities are expected to be duly evidenced and described
- along with the use of large-scale facilities, where applicable

https://www.submission-bluebio.eu/lw_resource/datapool/items/item_220/Summary_recommendations.pdf

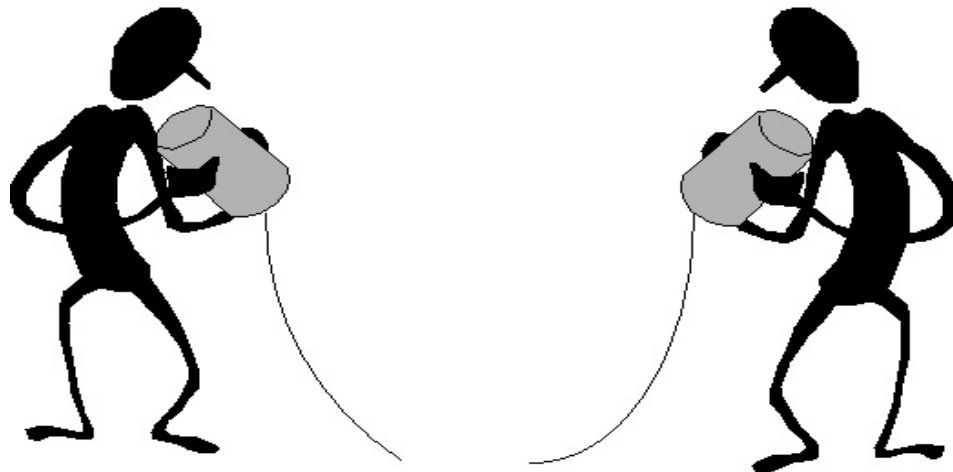


Communication

Communication of results and developments from research and innovation activities to key decision-makers, the public, the blue growth industry and the general public. <https://bluebioeconomy.eu/communicating-your-project/>

Communication plan with concrete measures and activities

- must also reflect the "**inclusive dimension**" from RRI to invite relevant stakeholders into the processes.
- ensure effective **dissemination of research findings**.
Information targeting end-users must be given high priority.



Funding opportunities – 11 million euro

Country	Funding organisation	Available budget	Can fund		TRL
			I	R	
Belgium	FWO	350.000		x	1-5
Belgium	VLAIO	1.500.000	x		up to 7
Croatia	MZO	100.000		x	up to 7
Denmark	IFD	1.000.000	x	x	
Estonia	ETAG	100.000	x	x	up to 7
Greece	GSRT	1.500.000	x	x	2-7
Iceland	RANNIS	1.000.000	x	x	up to 7
Ireland	MI	200.000	x	x	up to 7
Latvia	IZM	300.000		x	up to 7
Malta	MCST	300.000	x	x	-
Norway	RCN	3.500.000	x	x	up to 6
Portugal	FRCT	200.000		x	up to 7
Romania	UEFISCDI	400.000	x	x	up to 7
Spain	CDTI	500.000	x	x	up to 7
Total		10.950.000			

14 funding organisations from 13 countries



Most fund both Research organisations and Industry



Evaluation of Pre-proposals:

- Relevance of the proposal compared to the call text
- Scientific quality (including RRI) and innovation potential (including covered TRL, transdisciplinarity and cross-sectorial aspects).
- Appropriateness of the research methodology, feasibility, adequacy of the budget
- Quality of the consortium, complementarity among partners, added value of the transnational cooperation.
- Composition of consortium compared to the topic's needs and international relevance

Full proposals

- **Excellence of the research proposal (threshold 3/5)**
 - Clarity and pertinence of the objectives
 - Soundness of the concept
 - Credibility of the proposed methodology
 - Degree of novelty and innovation of the proposed approach
- **Impact of the project results (threshold 3/5)**

Extent to which the outputs of the project will be relevant for, or contribute to, impacts on:

 - Economic aspects
 - Environmental aspects
 - Societal aspects such as Ethical, Legal and Social Aspects (ELSA)
 - Transnational added value
 - Knowledge generation and transfer
- **Quality and efficiency of the implementation of the project (threshold 3/5)**
 - Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables
 - Appropriateness of the management structures and procedures, including risk and innovation management
 - Complementarity of the participants and extent to which the consortium as a whole brings together the necessary expertise
 - Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role
 - The project budget is appropriate to the planned work and allows the achievement of the project goals

Selection of proposals and projects for funding

Selection of pre-proposals for next stage

- The BlueBio Call Steering Committee (composed of representatives of all BlueBio funding organisations) will select pre-proposals for full proposal stage based on the ranking after evaluation.

The first stage will be used to balance the ratio between requested funding and available funding. Consortia may be asked to reduce or increase the contribution of partners and to invite partners from countries with undersubscription. It will be up to the consortia to follow up on the requests or not, as a partnership amendment should not compromise the quality of the proposals.

Selection of projects for funding

- On the basis of the ranking after the evaluation of the proposals and of available funding, the Call Steering Committee will prepare a list of projects recommended for funding.

In both stages the number of selected projects will depend on the available budget of the involved funding organisations.