



BlueBio Call Announcement

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Project title:

ERA-NET Cofund on Blue Bioeconomy (BlueBio) – Unlocking the Potential of Aquatic Bioresources

Instrument:

ERA-NET Cofund Actions

Project start date:

1 December 2018

BlueBio Cofund - Call text documents

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1. BACKGROUND OF THE CO-FUNDED CALL

1.1. The ERA-NET Cofund BlueBio

The ERA-NET Cofund on Blue Bioeconomy - Unlocking the Potential of Aquatic Bioresources (BlueBio) successfully continues the work of the ERA-NET Marine Biotechnology¹ (ERA-MBT, 2012 - 2017) and COFASP² (2012-2017) and has been developed under the umbrella of JPI Oceans.

The ERA-NET Cofund instrument under Horizon 2020 is designed to support public-public partnerships between Member States and associated countries for the implementation and coordination of networking activities. The ERA-NET Cofund BlueBio launches calls for proposals in accordance with the JPI Oceans Operational Plan and tackles common priorities as described by the ERA-NET.

BlueBio consists of a network of 28 partners from 17 European countries.

1.2. The objectives of the BlueBio network

BlueBio aims at achieving a sustainable and competitive Blue Bioeconomy in Europe. The goal is to generate knowledge for Blue Bioeconomy value chains and improve the transfer of bio-based products and services from research, innovation and demonstrations to production scale implementing the multi-actor-approach. BlueBio contributes to the production of safe, nutritious and valuable bio-products and services, while applying the food first principle. BlueBio launches calls to attract projects that work on the use and value-added of aquatic biomass in integrated value chains from primary production to processing, generating innovative products and services within the bioeconomy. The aquatic biomass can be either caught, harvested or produced in marine or freshwater in water or on land. Alternative uses of waste from production as a resource shall be enhanced to promote the concept of a circular economy. Consequences of new methods or products shall be considered from a wider value chain perspective.

BlueBio will address needs as gaps along the Blue Bioeconomy value chain(s), from biomass to products and markets and consumers as visualised in Figure 1. The figure also demonstrates relevant crosscutting R&I areas.

The aim of establishing a coordinated R&D funding scheme is contribute to the development of research-based innovations and to strengthen Europe's position in this complex economic field in a global market. The basis for this approach builds on the overlapping needs uncovered by the strategic work of the Marine Biotechnology Strategic Research and Innovation Road map developed by ERA-MBT, the Strategic Research Agenda of COFASP, and the Strategic Research and Innovation Agenda of JPI Oceans.

¹ <https://www.marinebiotech.eu/>

² <http://www.cofasp.eu/>

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

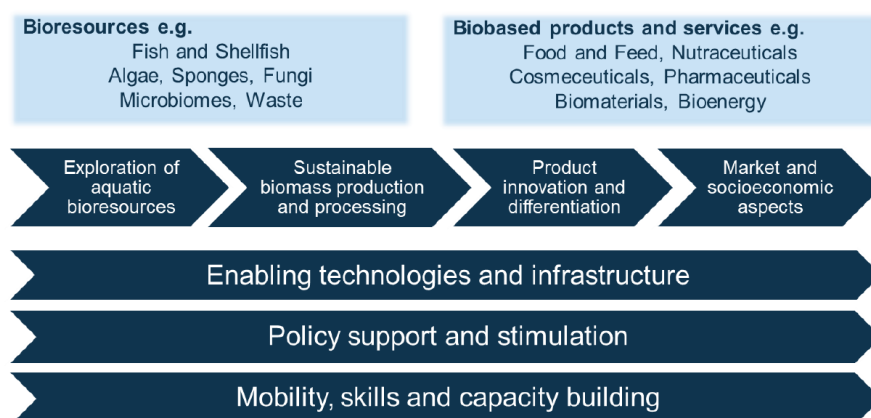


Figure 1: Blue Bio addresses research and innovation areas along the Blue Bioeconomy value chains from biomass to products and markets. The figure also shows relevant crosscutting R&I areas in the lower part of the figure

The stimulation of new R&I, synergies and collaboration with industries, both off-shore and land-based, will be sought, especially with SMEs. This will include improving integration of the biotechnology toolbox and knowledge within industrial sectors.

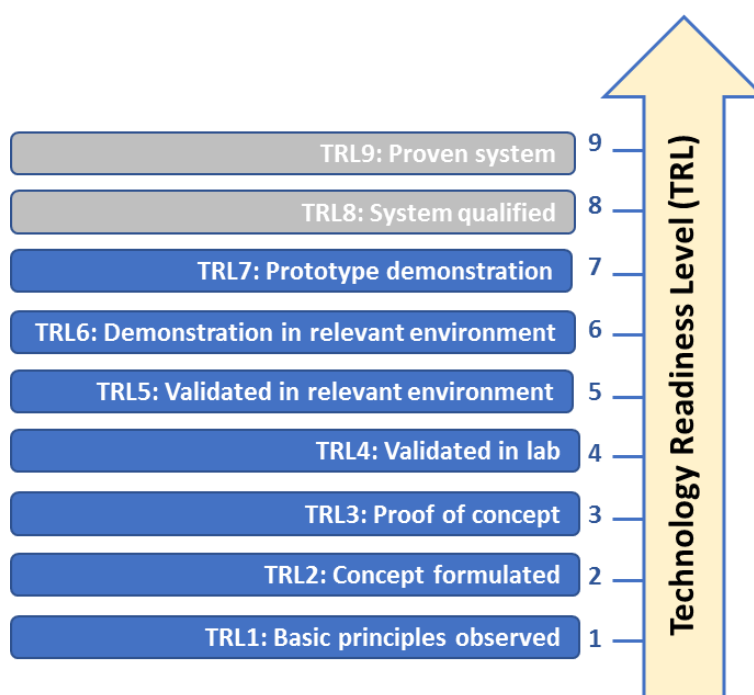
2. PARTICIPATION TO THE CALL AND FUNDING MODALITIES

The following partner countries will provide funds to the call: Belgium, Croatia, Denmark, Estonia, Finland, Germany, Greece, Iceland, Ireland, Italy, Malta, Norway, Portugal, Romania, Spain, and Sweden.

Proposals may have a **research**; **research and innovation**; or **demonstration** purpose depending on the scope of the project and the funding agencies involved in funding the partners. **Industry involvement is mandatory to ensure an applied perspective and industry relevance.** Using new methods and technologies may require multidisciplinary approaches where the development of toolboxes and enabling technologies may be an integrated part. Project proposals with Technology Readiness Level up to 7 will be accepted provided the funding agencies in question can fund them. Projects should propose advancements in TRL levels during their lifetime.

Funding for transnational projects is based on a virtual common pot instrument. This means that applicants granted funding will receive the grant directly from their national/regional funding institution in accordance with their terms and conditions.

The applicants to this call will get guidance from the Call Secretariat and the National Contacts of the BlueBio consortium listed in Annex 1. The participation of applicants not requesting funding from partner countries of the consortium or other countries is allowed. Applicants not requesting funding have to bring their own funds. In this case, a letter of commitment must be provided upon submitting



the pre-proposal. These partners are not considered in the required minimum number of eligible partners and countries and cannot apply as coordinators of the research proposal consortium. Their participation will not affect the selection process.

Applicants should be aware that in some countries different funding organisations participate in the call with different administrative rules. Therefore, applicants are strongly advised to consider National Regulations published in Annex 5 of this document. Applicants (coordinators and partners) should contact the national or regional funding bodies prior to submission of the pre-proposal for further information.

The non-eligibility of a partner in a consortium may result in the rejection of the entire proposal. The proposal evaluation and selection process will be done by a two-step procedure. All documents related to the Call (Call Announcement, Guidelines for Applicants, National Contact Persons, Templates for Letters of Commitment etc.) are available on www.submission-bluebio.eu.

For questions related to the proposal submission and technical issues regarding the submission system, please contact Project Management Jülich (ptj-bluebio@fz-juelich.de).

Figure 2 TRL and BlueBio range (accepted TRLs marked in blue)

3. CALL SCOPE AND PRIORITY AREAS

3.1. Value chain approach

In general projects should explore innovative, yet sustainable and climate-friendly utilisation of aquatic biomass at different trophic levels, as well as sustainable harvesting, and novel aquaculture production systems targeting a range of existing or new markets, products (food, feed, chemistry, nutraceuticals, cosmetics, etc. applying a food first principle). The aim is to create, test, upscale and bring to the market new knowledge-intensive products and services derived from a diversity of aquatic biomass. The aquatic biomass in question may have either marine or freshwater origin. Projects may also seek synergies with land-based production. Projects should describe which part of the value chain being focused and give an indication of the technology readiness level (TRL) before and after the project. For projects that only focus on part of the value chain, impact and consequences of new methods or products should be considered in a wider value chain perspective.

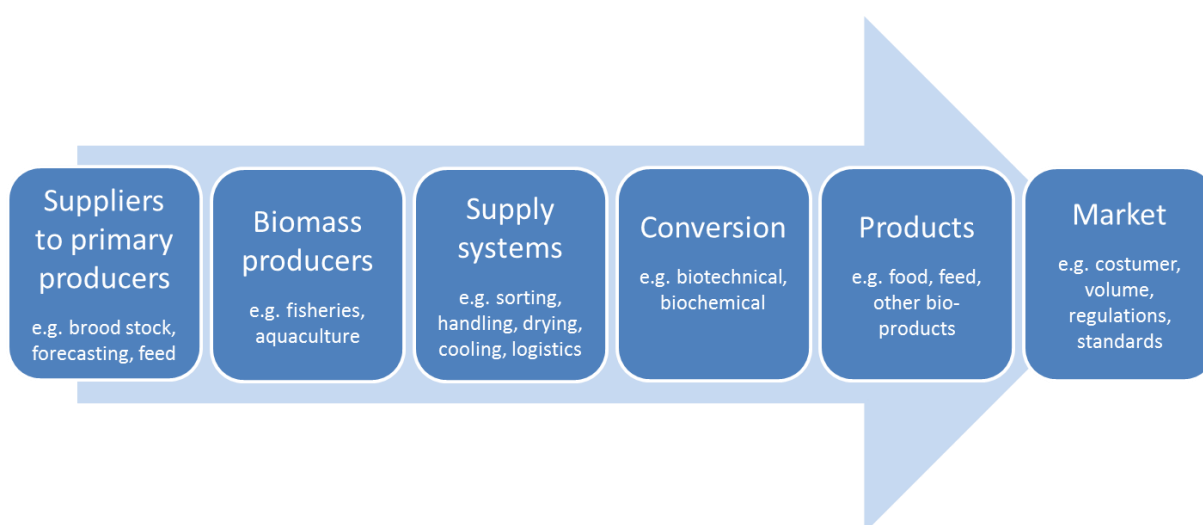


Figure 3: Elements to consider for development or improvement along the blue bioeconomy value chain

The proposals should seek to be complementary with or adding to other projects funded under FP7 and Horizon 2020, ERA-NETs, BBI JU or other funding schemes, both ongoing and recently finished. They should reflect awareness of the objectives of running projects in relevant fields to avoid overlap. Furthermore, any utilization of resources from salt- and freshwater should be in line with the Nagoya Protocol³. The beneficiaries must carry out the action in compliance with ethical principles, including the highest standards of research integrity, and applicable international, EU and national law.

The BlueBio consortium will aim at creating a community and stimulate synergy and networking among thematically related ongoing projects. Participation in such networking should be envisaged. The priority areas are of equal priority and may overlap. Proposals should address one or more of the priority areas.

³ <https://www.cbd.int/abs/doc/protocol/nagoya-protocol-en.pdf>

Table 1 Overview on priority areas

Priority area 1: Exploring new resources
<p><i>The biodiversity of marine and freshwater bioresources have been widely unexplored, while at the same time several traditional species in fisheries have been subject to overexploitation. Expansion of aquaculture may also have negative impact on fish stocks. Innovative, sustainable and climate-friendly utilisation of aquatic biomass at different trophic levels needs to be explored to increase sustainability and development of the blue bioeconomy. Omics technologies makes it possible to target new genetic resources and biomolecules and play a major role in predicting changes in biodiversity and identify new species and their potential value. In particular, microbiomes have an unexplored potential to support growth in aquaculture, fisheries, food processing and biotechnology. By applying the 3R principle of 'Reducing, Reusing and Recycling' waste and underutilised material from fisheries and aquaculture need to be addressed as a resource to achieve zero waste and support a circular economy. Explored biomass can be used as food or as input for other products and services targeting a range of markets. In all cases the food first principle should be applied. Projects should seek to:</i></p> <ul style="list-style-type: none"> • Develop innovative uses for waste and underutilised material from fisheries and aquaculture to achieve zero waste. • Develop aquatic biomass like e. g. algae and marine invertebrates to extract value in sustainable value chains and biorefinery processes. • Unlock the potential of microbiomes to support growth in aquaculture, fisheries, food processing and biotechnology • Create predictive tools to improve the identification and targeting of biodiversity "hot-spots" in the oceans, e.g. by use of omics-based technologies • Introduce new species for improvement of aquaculture and fisheries
Priority area 2: Exploring improvements in fisheries and aquaculture
<p><i>Aquatic biomass can ensure future food and nutrition security, supply for aquatic commodities and European competitiveness by sustainably cultivating, harvesting and processing resources. Sustainable production and consumption of aquatic bioproducts with reduced impact on the environment and climate can only be achieved if all actors work together, addressing and improving all activities along the value chain, from researchers and producers to end-users. New methods and technologies to improve production may require transdisciplinary approaches where further development of toolboxes and technologies may be an integrated part to ensure all three pillars of sustainability, economic, environmental and social - also known informally as profits, planet and people. These improvements shall contribute to meet consumer demands. Projects should seek to:</i></p> <ul style="list-style-type: none"> • Apply a combination of methods, processes, technologies and novel resources such as biotechnology to: create innovative feeds; improve brood stocks; improve biosecurity; define stock baselines; assess stock

Priority area 3: Exploring synergies across sectors

Benefits created by linkages and interactions between different sectors are often overlooked. However, knowledge exchange and the creation of synergies are of utmost importance to achieve a long-term sustainability of the blue bioeconomy value chains. Aquaculture and fisheries create "Blue-Blue" synergies. Furthermore, sector-wide assessments could also result in offering synergies between marine and freshwater sectors on the one hand and land-based production on the other hand. Possibilities for synergies with land-based food and feed production and processing, biorefining, bioenergy, biomaterials, cosmetics, nutraceuticals, chemicals and nutrients in a bioeconomy and circular bioeconomy perspective are numerous. Nutrient circulations are a good example of potential cross-sectoral "Blue-Green" synergies between fisheries, aquaculture, and agriculture. Significant synergies have arisen through the development of genomics tools, contributing to advances in aquaculture, biodiscovery, ecotoxicology, and the understanding of population structure and dynamics and local adaptations.

Projects should seek to:

- Create synergies between aquaculture and fisheries (e.g through genetic assessment).
- Explore synergies with land-based production in areas such as food and feed production and processing, biorefining, bioenergy, biomaterials, cosmetics, nutraceuticals, chemicals and nutrients or maximising the use of aquatic bioresources in terrestrial value chains.

Priority area 4: Exploring Biotechnology and ICT

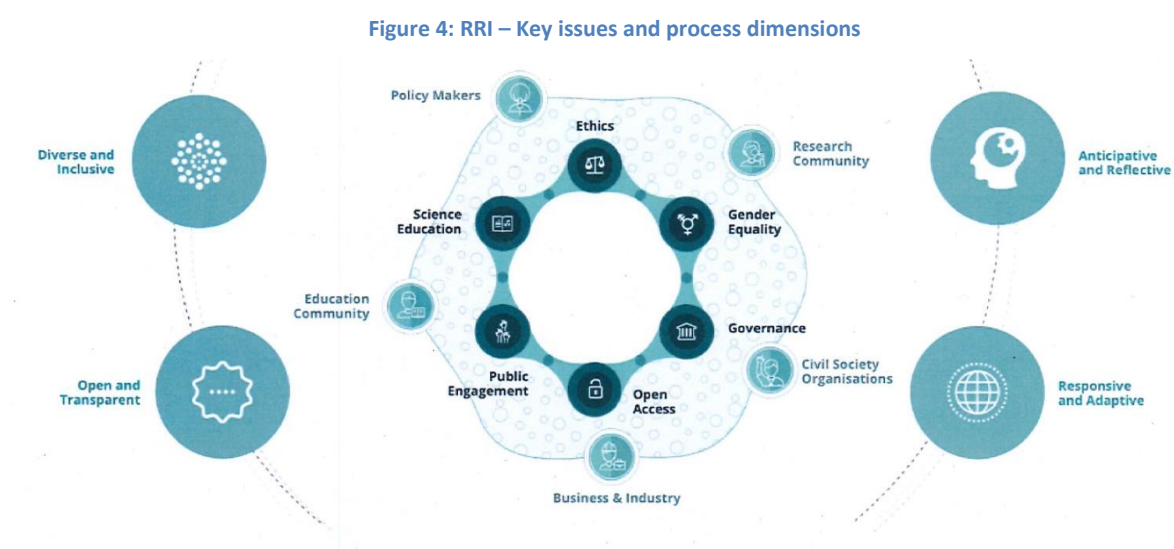
Information and communications technologies (ICTs) facilitate communication in the sense of information sharing and dialogue as well as in the sense of processing of information by electronic means. If biotechnology and the latest developments in ICT like Internet of Things or artificial intelligence and big data are combined they will enrich future research and innovation and stimulate the development of the Blue Bioeconomy in many ways. Both technologies should be used along the value chain, from resource assessment, capture or culture to processing and commercialization, conversion and market to develop smart, efficient and traceable food systems and a sustainable blue bioeconomy. Calculating trends and forecasts on future demand and supply for seafood could also be addressed to close data gaps and contribute to big data solutions

Projects should seek to:

- Apply biotechnology and ICT to develop smart, efficient, traceable aquatic food systems
- Apply the latest developments in ICT (IoT, machine learning, big data) to the Blue Bioeconomy.

3.2. Responsible Research and Innovation

Research, innovation and technological developments leading to societal changes and new products in the markets, need to be addressed in a coherent way based on a framework for Responsible Research and Innovation (RRI). This call refers to a framework adapted from the former Engineering and Physical Sciences Research Council in the UK (2013) as well as from The Research Council of Norway's RRI-framework (2015). This approach to RRI is also endorsed by the European "RRI-Practice project" (www.rri-practice.eu). RRI invites us to deliberate fundamental questions related to what kind of futures we want science, technology and innovation to bring into the world (see Annex 5). Key issues and process dimensions of RRI are shown in figure 4.



Such deliberations depend on activities utilizing the project's scope to initiate learning processes and experiments giving insight and understanding among the project participants, stakeholders and the larger community. Projects are required to respond to the need for building competence and skills as indicated in the framework and include a plan for how this is addressed in the project. This can be either as a separate work package or directly by working with the deliverables in the project. Inclusion of specific competence and budget may be necessary.

In order to implement the RRI aspects we expect projects to address

- involvement of stakeholders in dialogues to make informed decisions about safe, healthy and sustainable food
- societal matters and public attitudes towards bio-based products and services to develop acceptable products and services in the markets
- policymaking in bio-based research, innovation and technology development
- improving the professional skills and competences of those working and being trained to work within the blue bioeconomy
- training and mobility of personnel

Funded projects will be invited to workshops (a learning platform) to develop and implement good RRI practices.

3.3. Communication

Communication of the results and developments from research and innovation activities to key decision-makers, the public, the blue growth industry and the general public is of particular importance for well-informed dialogues. The projects must include a communication plan that describes concrete measures and activities directed towards various groups of stakeholders. This must also reflect the "inclusive dimension" from RRI to invite relevant stakeholders into the processes. To ensure effective dissemination of research findings, the project must attach considerable importance to both scientific publication and user-oriented communication activities. Information targeting end-users of the research must be given high priority.

Communication should comprise a separate work package in the project, and expenses related to this may be considered project cost if they are eligible according to the national rules applicable to the proposers.

3.4. Funding opportunities

Table 2 Overview on funding opportunities of each participating funding organisation

Participating country	Funding organisation	Available budget (€)	Can fund I R*		Any strong national priority/limitation of funded projects (TRL, sectors or priority areas)
Belgium	FWO	700,000		x	TRL 1-5, depending on the selected – internal - FWO funding channels
Belgium	VLAIO	1,500,000	x		-
Croatia	MZO	100,000		x	Priority areas: 1,3
Denmark	IFD	1,500,000	x	x	TRL 2-7, max. 500.000 € IFD funding per project.
Estonia	ETAG	100,000	x	x	-
Estonia	MEM	100,000		x	TLR 2-7. Only research institutions can be funded
Finland	MMM	300,000	x	x	-
Germany	BMBF	3,500,000	x	x	-
Germany	BMEL	1,000,000		x	see National Regulations
Greece	GSRT	1.500.000	x	x	TRL : 3-7 (industrial research, experimental development and feasibility studies) All 4 priority areas are supported
Iceland	RANNIS	1,000,000	x	x	TRL : 3-7 All 4 priority areas are supported
Ireland	MI	1,000,000	x	x	TRL up to 7 All 4 priority areas are supported
Ireland	SFI	500,000		x	All 4 priority areas are supported
Italy	MIUR	600,000	x	x	All 4 priority areas are supported
Norway	RCN	5,500,000	x	x	TRL until 7. 1 mill allocated to synergy with land-based production.
Norway	IN	200,000	x		IN can only provide funding for companies registered in Norway
Portugal	FCT	200,000	x	x	-
Portugal	FRCT	200,000	x	x	TRL until 7
Romania	UEFISCDI	400,000	x	x	All 4 priority areas are supported
Spain	CDTI	500,000	x	x	Technology-based industrial research and/or experimental development activities can be funded
Spain	AEI	1,000,000		x	-
Sweden	VGR	250,000	x	x	Special conditions apply to industry. All projects are subject to that a project application for funding is filed by the applicant to the Regional Development Board (regionutvecklingsnämnden) and that the board decides to fund the project.
Sweden	FORMAS	1,500,000		x	-
Malta	MCST	100,000	x	x	-
Total		23,250,000			

* I= Industry R= Research organisations

4. CALL SECRETARIAT

The Call Secretariat will provide administrative and technical support to applicants regarding the call, call documents and procedures. It is the primary point of contact between the research project

consortium represented by the coordinator and the BlueBio funding parties for all general matters in relation to the co-funded call. The Call Secretariat is hosted by JUELICH.

All personal data offered for project applications as well as for subscription to newsletters, other mailing lists, tracking websites, registration for activities and events will be collected, stored and processed in accordance with the General Data Protection Regulation (GDPR) (Regulation (EU) 2016/679). A data protection officer (DPO) is appointed to ensure compliance GDPR rules.

Table 3: Point of contact regarding the co-funded call and further calls

Forschungszentrum Jülich GmbH Wilhelm-Johnen-Str. D-52428 Jülich	For application and submission issues	
	Jella Kandziora	E-mail: j.kandziora@fz-juelich.de
		Phone: +49 2461 61 5663
	Katerina Kotzia	E-mail: k.kotzia@fz-juelich.de
		Phone: +49 2461 61 85443
	Data Protection Officer	
	Frank Rinkens	E-mail: DSB@fz-juelich.de
		Phone: +49 2461 61 9005

The National Contacts, listed in Annex 1, are supporting the Call Secretariat and should be contacted for all matters regarding national regulations and funding. It is strongly recommended to get in touch with your National Contacts in order to limit procedural errors and eligibility rejection.

5. DATES AND DEADLINES

Table 4 Dates and deadlines for applicants

Date	Event
Nov 2018	Pre-Announcement
17 Dec 2018	Open Call for pre-proposals
30 Jan 2019	Brokerage Event
17 March 2019 (Week 11)	Closing date for pre-proposals
May 2019 (Week 22)	Evaluation (peer review)/ Selection
June 2019 (Week 25)	Invitation for submission of full proposals
17 Sep 2019 (Week 38)	Closing date for full proposals
Dec 2019	Evaluation (peer review)/ Selection
Jan-May 2020	Negotiation and start of the projects
Tba	Kick-off meeting

In the pre-proposal and full proposal stage the calls will be open for applicants for at least 60 days.

6. APPLICATION - GENERAL ELIGIBILITY CRITERIA

The application has to meet and consider the following general eligibility criteria:

- The transnational consortium must consist **of at least three** independent eligible legal entities from at least three BlueBio partner countries listed in Annex 1.
- The maximum project size consists of ten eligible partners. Industry or research institutes from partner or non-partner countries with own funds are not included in this number. Those

“external contributors” have to be mentioned separately in the submission tool. “External contributors” have to upload a Letter of Commitment.

- All proposals must involve both research organisations and industry (either as partner or as external contributor). Participation of SMEs is especially encouraged.
- The application must be written in English.
- Projects should have a **maximum** duration of **36 months**.
- The requested total budget cannot exceed **2 M €** per proposal (requested funding).
- Total requested budget of a country **cannot exceed 60 %** of the total eligible project budget in order to achieve balanced partnerships and ensure that responsibility and risks are shared.

7. SUBMISSION OF PRE-PROPOSAL

Firstly, a pre-proposal must be submitted electronically via the BlueBio submission website (www.submission-bluebio.eu) **by 17 March 2019, 13.00 CET**. Detailed instructions for the use of the electronic submission are described on the website (www.bluebio.eu).

It will be possible to update and resubmit the pre-proposal as many times as required up to the submission deadline, but not after the deadline has expired.

Applicants should note that the online system may experience high traffic volumes in the last hours before the submission deadline and it is therefore highly recommended to submit the final version of the pre-proposal well in advance of the deadline to avoid any last-minute technical problems. Requests for extensions to the deadline due to last minute technical problems will not be considered.

If national/regional forms are required for individual partners, these must be submitted directly to the national/regional agency by the deadlines stated (see Call Documents at www.submission-bluebio.eu).

The application should be submitted by the project coordinator on behalf of the project consortium.

7.1. The project coordinator

Each project consortium must/has to appoint a project coordinator, who, in any commissioned project, has the following role and responsibilities:

- Be the primary point of contact between the Call Secretariat and the researchers on behalf of the project consortium from the submission of the pre-proposal until the publication of the final report;
- Submit the application on behalf of the project consortium;
- Responsible for compilation and submission of mid-term and final monitoring reports and other deliverables to the BlueBio network on behalf of the project consortium;
- Secure that all project milestones and deliverables are met and take action according to the project management plan if one or more partners fail to deliver;
- Inform the BlueBio consortium about any event that might affect the implementation of the project;
- Is fully responsible for the overall project coordination and will ensure that all work is carried to a high standard;
- Is responsible for sharing all information with project consortium partners.

Consortia have to be aware that failure of one partner within the consortium to meet the national/regional eligibility criteria may result in the rejection of the entire proposal. It is therefore strongly recommended that the project coordinator verifies that the project partners contact their National Contacts in order to check their eligibility.

The project coordinator will NOT be responsible for the financial management of BlueBio project funding, which will be handled directly between the national research institutions/industries and their national/regional funding agencies in each participating country.

7.2. Use of the online Submission Tool

It is the duty of the coordinator to enter the data online. The application must consist of a partner description (chapter 3) and a project description (chapter 4).

7.2.1. Partner description

This includes information about the coordinator (and about every partner, which they can enter themselves)

- Contact information, including first and last name, name of the organisation, status of the organisation, address and phone number, e-mail address;
- VAT number (compulsory for applicants having a VAT number)
- References (up to 5);
- Short description (max. 1000 characters) about current position of the partner and his collaborators in the project, fields of expertise and other relevant experience. Description of ongoing projects related to the present priority area indicating project name, funding source and amount, and potential overlap or link with the current proposal (if any);
- Task(s) in the project (brief description, max. 3.000 characters);

7.2.2. Project description

- Project Title (max. 200 characters)
- Project Acronym (max. 15 characters)
- Research or Research and Innovation project
- Project duration (max. 36 months)
- Call priority area
- Keywords (between 5 and 100 characters)
- Publishable Project Abstract (max. 2.000 characters)
- Description of Work (max. 5 pages / 20.000 characters):
 - Relevance and Excellence:
 - Project objectives and main hypothesis
 - Relevance of the proposal to the call scope
 - Innovation potential (ambition and novelty in relation to the state-of-the-art)
 - Research approach and methodology (including transdisciplinarity and cross-sectorial aspects when relevant) Description of the research activities to be developed (including provisional project structure and work package breakdown, and identification of lead participants)
 - Impact:
 - Expected impact of the project with regard to the scope of the call

- Transnational added value of the cooperation
 - How the project add value to aquatic biomass in integrated value chains generating innovative products and services within the bioeconomy.
-
- Finances (with short explanation for each budget item)
 - Responsible Research and Innovation, including ethical issues(4.000 characters)
 - Communication and Dissemination of results (4.000 characters)
 - Data management (max. 4.000 characters): how the data will be managed during the life of the project and after the project ends to ensure their long-term availability. Data management should comply with the provisions laid down in the General Data Protection Regulation (GDPR) (Regulation (EU) 2016/679). Data of long-term value should meet the FAIR principles; i.e. they should be findable, accessible, interoperable and reusable
 - TRL at the beginning and TRL at the end of project

Applicants should note that information on the partner description (core data) cannot be substantially changed in pre- and full proposals, in particular, neither the composition of the consortia nor the funding requested by each partner in the second step unless explicitly requested by the national contacts and approved by the Call Steering Committee.

The submission of a pre-proposal is mandatory, and it will not be possible to enter the application procedure at a later stage (possible until deadline of submission).

The information given in the pre-proposal will be used to check for eligibility, to find appropriate evaluation experts and to evaluate the pre-proposal.

8. ELIGIBILITY CHECK FOR FUNDING

Pre-proposals that are submitted correctly and within the deadline will be checked against different eligibility criteria.

- **General eligibility criteria:** The pre-proposal must comply with the call eligibility criteria mentioned in chapter 6.
- **Specific eligibility criteria:** The proposed projects must demonstrate industry involvement.
- **National/regional eligibility criteria:** All project partners involved in an application have to assure that requested costs and thematic areas are in line with the respective national/regional eligibility criteria published in the National Regulations (see Annex 5). In case of uncertainties regarding the national/regional criteria and regulations, please contact your National Contacts, see Annex 1.
- **Ethical issues:** Work involving the use of animals or humans should be carried out under the appropriate authorisation taking into account local ethical requirements. Applicants will need to submit an ethic self-assessment for pre-proposals and full proposals. Judgment of the significance of ethical issues will be made by using the criteria published by the Commission in its guidelines for the Horizon 2020 Framework Programme

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf

In case one partner of the project consortium appears not to be eligible, the Call Steering Committee, which consists of all BlueBio funding partners, will reject the pre-proposal.

Pre-proposals which are eligible in terms of the formal and national/regional eligibility criteria will be identified. Only pre-proposals which meet these criteria will be forwarded to the expert evaluation.

Non-eligible pre-proposals will result in immediate rejection of the entire project.

9. EVALUATION OF PRE-PROPOSALS

Eligible pre-proposal evaluation will be executed by an independent International Review Panel (IRP), installed by the Call Steering Committee. The IRP will be from inside and outside the Consortium countries, and balanced in terms of nationality, age, gender and expertise background, while avoiding conflict of interest with applicants or applications. The independent IRP chair and members will be researchers, practitioners and other stakeholders with high standing and expertise in the relevant research areas and the overall objectives of the call.

Eligible pre-proposals will undergo peer review evaluation and will be ranked according to the evaluation results based on the following criteria:

- Scientific quality, innovation potential (including TRL at the beginning and TRL at the end of project, 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
- Relevance of the proposal compared to the call text
- The proposed projects must be in line with the scope and priority areas of this call
- RRI will be assessed by experts as part of the scientific quality of the proposals

The scoring system uses a 5-point scale (see explanation of scale in chapter 12) for all review criteria. The IRP will agree upon a final consensus report and score for each pre-proposal. The IRP will produce a ranking list of pre-proposals above threshold (3/5).

10. SELECTION OF PRE-PROPOSALS

Based on the ranking list provided by IRP, the BlueBio Call Steering Committee (composed of representatives of all BlueBio funding organisations) will select projects for the second application according to the ranking list. The number of selected projects will depend on the available budget of the funding organisations involved. The first stage evaluation will be used to balance the ratio between requested funding and available funding.

The coordinators of the research consortia will be simultaneously informed about the evaluation results, and whether they are invited for full proposal submission. Furthermore, coordinators will be informed about proposals rejected for eligibility reasons. Coordinators who are invited for full proposal submission will receive written feedback of the pre-proposal evaluation and the consensus report in an anonymous way. The coordinators of the research consortia are responsible for

forwarding all information to their research consortium partners. Applicants who are rejected can ask for feedback from Domnica Cotet (e-mail: domnica.cotet@uefiscdi.ro).

An invitation to submit a full proposal does not implicitly result in the right of getting funded by the BlueBio funding organisations - even if the full proposal gets evaluated positively by the expert panel (the final selection will be based on the ranking list provided by the IRP and the available funding resources).

11. SUBMISSION OF FULL PROPOSALS

Only research consortia which have successfully passed the first step will be invited to submit a full proposal with a deadline of 17 September 2019 – 13.00 CEST.

Full proposals must be submitted online www.submission-bluebio.eu by the research consortium coordinator.

Guidelines and template for the submission of full proposals will be available with the invitations for full proposals and published on the BlueBio website.

The information provided in the pre-proposal will be automatically imported into the full proposal.

Applicants should note that information on the core data cannot be changed in full proposals, unless explicitly requested by the funding organisation/s and approved by the Call Steering Committee.

12. ELIGIBILITY CHECK AND EVALUATION OF FULL PROPOSALS

General eligibility criteria and national/regional eligibility assessed at the stage of pre-proposal will be checked again at the stage of full proposal.

Eligible full proposals will be subjected to a peer review evaluation by the IRP appointed for evaluation. Each proposal will be evaluated by at least three independent experts. An independent observer will follow and report on the full evaluation process (in line with Horizon 2020 rules).

Proposals will be evaluated according to the following three standard H2020 criteria:

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

For full proposal evaluation, scores will be awarded for each of the three main criteria. Sub-criteria are aspects that the expert will consider in the assessment of that criterion. Each criterion will be scored out of 5 (only full scores allowed) and equally weighted.

The 0-5 scoring system for each criterion indicates the following assessment:

- | | |
|---|---|
| 0 | The proposal fails to address the criterion or cannot be assessed due to missing or incomplete information. |
| 1 | Poor. The criterion is inadequately addressed, or there are serious inherent weaknesses. |
| 2 | Fair. The proposal broadly addresses the criterion, but there are significant weaknesses. |
| 3 | Good. The proposal addresses the criterion well, but a number of shortcomings are present. |
| 4 | Very Good. The proposal addresses the criterion very well, but a small number of shortcomings are present. |
| 5 | Excellent. The proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor. |

Full proposals are assessed by the IRP. On the basis of the ranking and of available funding, the Call Steering Committee will prepare a list of projects recommended for funding.

The scores of the three evaluators will be agreed on by the three experts involved. The sum of the three agreed scores will equal the final score for each full proposal. Any proposal receiving a mean score below 3 for one of the main criteria and/or a final score below 10 will not be selected for funding (thresholds 3/5 and 10/15). Evaluation by the IRP will result in a ranking list according to the final scores and an evaluation report for each eligible full proposal.

13. SELECTION OF PROJECTS TO BE FUNDED

The funding organisations will take the final decision for national/regional funding following the order of the ranking list provided by the IRP according to Horizon 2020 rules.⁴ The number of selected projects will depend on the available budget of the involved funding organisations.

⁴ <https://ec.europa.eu/research/evaluations/index.cfm?pg=h2020evaluation>

The outcome of the selection will be communicated to the project coordinators, who will be required to inform their partners respectively. Applicants who are rejected can ask for feedback from Domnica Coteț (e-mail: domnica.cotet@uefiscdi.ro).

14. CONFIDENTIALITY AND CONFLICT OF INTEREST

The proposals will be handled confidentially by the Blue Bioeconomy Call Secretariat, by the national/regional Funding organisations and the mandated experts responsible for the evaluation of the proposal.

The Blue Bioeconomy Call Secretariat will take all lawful steps to ensure confidentiality, avoidance of conflict of interest and anonymity of evaluators during the evaluation and selection procedures.

Each expert will have to sign a declaration of confidentiality and absence of conflict of interest. The online evaluation tool will include a feature which will prevent access to the proposal in case a conflict of interest is declared by the expert.

An independent observer will follow and report on the evaluation process (in line with Horizon 2020 rules).

15. OBLIGATIONS FOR FUNDED PROJECTS (CONTRACT CONDITIONS)

15.1 Terms of Participation

The national funding of the BlueBio Call is offered under the coordination of the Horizon 2020 ERA-NET BlueBio. Partners of the Research and Innovation project consortium are required to recognise the coordinating role of BlueBio throughout the duration of the funded research projects until the publication of the final report. Each Project consortium will be asked for feedback on the processes in order to help to refine them for the future use.

15.2 Contractual Relationships

BlueBio is a collaboration between national funding parties with the aim of establishing transnational research collaboration. The contracts with researchers and industries are in the responsibility of the national/regional funding organisations.

Because of the fragmented nature of the funding, care will be taken to ensure that the individual contracts are synchronised both in time and content, so that the project consortium can deliver transnational outputs as described in the project proposal. The national/regional funding partners have to ensure that common BlueBio conditions are met (e.g. common start date of a given project, reporting requirements etc.).

15.3 Funding Contracts

For the whole duration of the contract, it is the responsibility of the project coordinator to inform the BlueBio consortium about any changes in the project, i.e. modifications of the work plan, the project consortium or the contract. The communication should be transmitted through the BlueBio Monitoring Group and approved by the JCS.

Any financial issue is under the responsibility of each national/regional funding partner involved in the approved project.

15.4 Consortium Agreement

All project partners are required to sign a Consortium Agreement (CA) before the official project start or in any case no later than three months after the project start. The CA should address matters on management of project activities, finances, Intellectual Property Rights (IPR) and how to avoid and solve disputes which might be detrimental to the completion of the project. The consortium agreement must specify in particular (i) the sharing of the intellectual property rights of the project results; (ii) the conditions of publication/dissemination of the results; (iii) the technology transfer and the exploitation of the project results.

It will be the responsibility of the project coordinators to draw up a CA suitable to their own group.

On request, the CA must be made available to the national or regional funding organisation(s), together with any other information required by national or regional regulations.

Support for the preparation of a consortium agreement can be found on the [DESCA webpage](#).

15.5 Intellectual Property Rights, use and access to results and data

Results and new Intellectual Property Rights (IPR) resulting from projects funded through the BlueBio Call will be owned by the project partners according to the conditions stated in their Consortium Agreement. At the project level, IPR will be considered according to national rules. Applicants should consult the individual funding agency should any queries arise.

Data collected in the project must be collected, stored and processed in accordance with the General Data Protection Regulation (GDPR) (Regulation (EU) 2016/679). Researchers are encouraged to actively exploit the results of the research project and make them available for use, whether for commercial gain or not, for public benefit to be obtained from the knowledge created. It is expected that publication of results should be done in accordance with the H2020 policy on Open Access.⁵

15.6 Start and end dates of projects

A project can start when all national/regional contracts have been concluded. Once the national contracts come into force, eligible national costs may be claimed according to the national procedures. Projects should start between January and May 2020. In any case, projects must finish by **31st May 2023**.

15.7 Project monitoring and Reporting

Projects must be completed within a maximum of three years.

Project coordinators are required to provide both a mid-term and final report as well as a non-confidential summary of the outcomes of their project for publication via the website (www.bluebio.eu) and the BlueBio newsletter. The newsletter will be built upon the news section on

⁵ http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf

the same webpage. Hereby, BlueBio wants to reach out to the wider research community and interested public. BlueBio will provide a template for the mid-term and final report. All partners will have to deliver input for these reports.

The coordinators of the funded projects are obliged to present their projects at three meetings to the ERA-NET BlueBio partners, other interested parties and relevant stakeholders:

- a kick-off meeting, explaining objectives and expected results.
- a mid-term meeting, presenting the mid-term reports including status, preliminary results and future work.
- an end-term meeting presenting the final reports including research results and assessment of possible impact and future actions required.

The three meetings will be organised by BlueBio, at the start, mid-term and the end of the projects. The costs for attending the status seminars should be covered by the allocated project budget. The objectives of the status seminars are the monitoring of the projects funded through BlueBio and the provision of networking and future collaboration opportunities.

15.8 Dissemination requirements

Dissemination of project outputs is obligatory and is the responsibility of the funded project partners. Detailed plans for dissemination of the results have to be described in the full proposals and are considered in the evaluation procedure. This can be organised in the form of various communication routes such as scientific papers, posters, course or training material, web-based tools, stakeholder involvement, workshops or direct intervention towards end users. Where relevant the projects should consider how to engage with consumers to provide them with knowledge needed to make informed decisions about safe, healthy and sustainable food and policy makers with robust scientific advice.

Further, the project partners have to acknowledge the transnational funding of the BlueBio ERA-NET Cofund under Horizon 2020 and the individual national/regional funding partners in any document that is published (in written, oral or electronic form) within the research project.

15.9 Publishable data

A list of the funded projects will be published at the end of the evaluation process (after the funding decision). Therefore, applicants should be aware that the following data from the full proposal will be published:

- Project Title and Project Acronym
- Priority area of the project
- Organisation name and country of each partner
- A short publishable summary of the project

16. COMMUNICATION, DISSEMINATION AND EXPLOITATION OF PROJECT RESULTS

BlueBio will organise a Brokerage Event for the projects funded in the frame of the co-funded call. The event will inform about and enlarge the visibility of the call and give potential applicants the opportunity to present themselves, their competences and interest in the call as a basis for identifying

and sign up for meetings with potential partners. During the event a webinar concerning the call will be held to inform applicants about the co-funded call, important conditions and requirements, the submission tool and the evaluation of proposals.

The Blue Bio website will provide general information about the network and partners, all major activities (calls for proposals, events and meetings) and publications (newsletters, reports and other relevant outreach materials). The results and knowledge outputs from ERA-MBT, COFASP and JPI Oceans research projects and actions will be disseminated and a partnering tool for exchange of research expertise and brokerage will also be integrated.

Dissemination of project results is requested in the form of various communication routes such as scientific papers, posters, courses or training material, web-based tools, YouTube, workshops or direct intervention towards end users.

The variety of communication methods used in BlueBio shall contribute to accelerate the development of a BlueBio Knowledge Community in Europe that fosters cooperation and support, strengthens collaborative research and provides products and services, jobs and sustainable Blue Growth.

ANNEXES

ANNEX 1: NATIONAL/ REGIONAL CONTACTS

ANNEX 2: NATIONAL REGULATIONS/NATIONAL FACTSHEETS

ANNEX 3: A FRAMEWORK FOR RESPONSIBLE RESEARCH AND INNOVATION

ANNEX 1 – NATIONAL/ REGIONAL CONTACTS

Country	Organisation	Name	Contact details (E-Mail/Telephone)
Belgium	Fonds voor Wetenschappelijk Onderzoek (FWO)	Alain Deleener Toon Monbaliu	eranet@fwo.be + 32 (0)2 550 15 95 + 32 (0)2 550 15 70
Belgium	Vlaams Agentschap voor innoveren en ondernemen (VLAIO)	Dirk Veelaert Bert Beck	Dirk.veelaert@vlaio.be +32 2 432 42 19 Bert.beck@vlaio.be +32 2 432 43 07
Croatia	Ministarstvo Znanosti i Obrazovanja (MZO)	Željka Skočilić	zeljka.skocilic@mzo.hr +385 1 4594-346
Denmark	Innovation Fund Denmark (IFD)	Brian Christensen (Scientific Officer) Martin Klyvsgaard (International Coordinator) International Administration	brian.christensen@innofond.dk +45 61 90 50 88 martin.kyvsgaard@innofond.dk +45 6190 5081 internationale@innofond.dk
Estonia	Eesti Teadusagentuur (ETAG)	Argo Soon Katrin Kello	argo.soon@etag.ee +372 730 0372 katrin.kello@etag.ee +372 731 7361
Estonia	Maaeluministeeriumi (MEM)	Helena Pärenson Maarja Malm	helena.parenson@agri.ee +372 6256550 maarja.malm@agri.ee +372 6256250
Finland	Ministry of Agriculture and Forestry (MMM)	Timo Halonen Orian Bondestam	timo.halonen@mmm.fi +358 295162411 orian.bondestam@mmm.fi +358 295162494
Germany	Bundesministerium für Ernährung und Landwirtschaft	Ursula Posselt	ursula.posselt@bmel.bund.de
Germany	Bundesministerium für Bildung und Forschung (BMBF)	Klaus-Peter Michel	klaus-peter.michel@bund.bmbf.de
Germany	Projekträger Jülich (JUELICH)	Jella Kandziora Katerina Kotzia	j.kandziora@fz-juelich.de +49 2461615663 k.kotzia@fz-juelich.de +49 24616185443
Germany	Bundesanstalt für Landwirtschaft und Ernährung (BLE)	Vivian Vilich Johannes Bender	vivian.vilich@ble.de +49 22868453755 johannes.bender@ble.de +49 22868453610
Greece	Geniki Grammatia Erevnas Kai Technologias (GSRT)	Paraskevi Afentaki	pafe@gsrt.gr +30 2131300112

Iceland	Rannsóknamiðstöð (RANNIS)	Íslands	Sigurdur Bjornsson Lýður S. Erlendsson	Sigurdur.Bjornsson@Rannis.is Lydur.Skuli.Erlendsson@Rannis.is
Ireland	Marine Institute (MI)		Veronica Cunningham	veronica.cunningham@Marine.ie
Ireland	Science Foundation Ireland (SFI)		Maria Nash	maria.nash@sfi.ie
Italy	Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)		Aldo Covello Mauro Berteletti	aldo.covello@miur.it +39 0658496465 mauro.bertelletti@miur.it +39 0658497902
Malta	Malta Council for Science and Technology (MCST)		Corinne Muscat Terribile	corinne.muscat-terribile@gov.mt +356 23602152
Norway	Innovasjon Norge (IN)		Ole Jørgen Marvik	ole.jorgen.marvik@innovationnorway.no +47 911 95 876 or +47 22 00 25 00
Norway	Norges forskningsråd (RCN)		Lars H. Andresen Kristin E. Thorud	lhan@rcn.no +47 917 47 117 ket@rcn.no +47 930 24 722
Portugal	Fundação para a Ciência e a Tecnologia (FCT)		Marta Norton	Marta.norton@fct.pt + 351 213911565
Portugal	Fundo Regional para a Ciência e Tecnologia (FRCT)		Gisela Nascimento	Gisela.MC.nascimento@azores.gov.pt +351296308948
Romania	Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI)		Domnica Cotet	domnica.cotet@uefiscdi.ro +40 213023880 cristina.cotet@uefiscdi.ro +40 213023884
Spain	Centro para el Desarrollo Tecnológico Industrial (CDTI)		Sara Alfonso	sara.alfonso@cdti.es +34915810489
Spain	Agencia Estatal de Investigación (AEI) Ministerio de Economía, Industria y Competividad (MINECO)		Abraham Trujillo Quintela Esther Chacón Campollo	oceans@aei.gob.es +34916038359 / +34695894820 esther.chacon@aei.gob.es +34916037105
Sweden	Region Västra Götaland(VGR)		Jessica Hjerpe Olausson Lina Waara	jessica.hjerpe.olausson@vgregion.se +4670 080 60 18 lina.waara@vgregion.se +4676 940 29 41
Sweden	Forskningsrådet för miljö, areella näringar och samhällsbyggande (FORMAS)		Petra Wallberg	petra.wallberg@formas.se +46 72 205 62 97

ANNEX 2: NATIONAL REGULATIONS/NATIONAL FACTSHEETS



BELGIUM

Participating organisation: Fonds voor Wetenschappelijk Onderzoek - Vlaanderen (FWO)

Indicative Budget: 0.7 M€

National Contact Person(s):

dr. Alain Deleener (Strategic Basic Research), Science Policy Advisor Strategic Research Programmes /

Toon Monbaliu (Fundamental research), Advisor Research Affairs

Phone: +32 2 550 15 95 / Tel. +32 2 550 15 70

E-mail: eranet@fwo.be

Name of & link to the funding programme(s) and other relevant information:

The FWO participates with two of its project funding channels:

- ➔ Fundamental research (FO)
- ➔ Strategic Basic Research (SBO)

Dependent on the type of research (fundamental/strategic) that will be performed, researchers applying for FWO funding have to carefully select their funding channel and write their proposal in such a way that it complies with the applicable regulations, for example:

FO projects:

Only lowest starting TRL⁶ (TRL 1) will be eligible.

SBO projects:

The valorisation aspect, impact and innovation goals, which, if scientifically successful, can open up prospects for economic or societal applications, have to be clear. These projects imply a TRL-range from 2 to 5.

Consequently, researchers have to make sure they comply with the eligibility criteria of the funding channel they select.

For 'FO' the 'Research Project' regulations apply: <https://www.fwo.be/en/fellowships-funding/research-projects/research-project/>

For 'SBO' the 'Regulations Strategic Basic Research' apply: [https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/regulations-strategic-basic-research-\(sbo\)/](https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/regulations-strategic-basic-research-(sbo)/)

On the basis of the nature of the proposal and the involved researcher(s) the FWO administration will decide on the eligibility of the proposal. Again, it is thus of utmost importance that the proposal complies with the specific regulations and eligibility requirements of the respective funding channel.

We therefore urge researchers to contact the FWO contact points before submission, in order to verify the researchers' eligibility and avoid the ineligibility of the project proposal/consortium as a whole.

⁶ Technology Readiness level: <https://www.ttopstart.com/news/technology-readiness-levels-a-new-dimension-in-horizon-2020>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: The max. amount that can be requested per project is **350.000 EUR, overhead included.**

For FO projects:

Funding money can be used for staff (temporary; permanent staff cannot be appointed on FWO budget), consumables (incl. travelling) and equipment. A mandatory 6% overhead cost has to be included in the requested funding. This overhead cost of 6% on the applied for budget needs to be inserted in the 'overhead' category.

For SBO projects:

The specific SBO funding regulations apply:

<https://www.fwo.be/media/652551/Cost-model-SBO-and-TBM-2017.pdf>

Institutional eligibility criteria:

The respective FWO funding channels' regulations apply, see above.

Institutional thematic priorities:

n/a

Proposals with the following focus cannot be funded:

n/a

Additional information:

Submission of financial and scientific reports at the national level

- Financial reporting: Yes
- Scientific reporting: depends on the funding channel
 - **Fundamental Research (FO):** Reporting at ERA-NET level only;
 - **Strategic Basic Research (SBO):** Besides the reporting at ERA-NET level, conform the fundamental funding channel, a report at national/regional level is also required, including a valorisation report.

Contact and obligations

The FWO administration will contact the applicants after the pre-proposal submission deadline (and possibly also the full proposal, if applicable) in order to verify the choice of funding channel.

Researchers are obliged to inform their host institution (research coordination units (DOCs)) about their participation, for administrative purposes. The FWO can assist in this matter (e.g. contacts). Additionally, in view of the GDPR regulations, explicit consent will be asked from the researchers, after submission of the project proposal, to deliver some basic information about their participation to the relevant host institutions.

Useful information/links

ERA-NET general:

<https://www.fwo.be/nl/mandaten-financiering/europese-programmas/era-net/>

<https://www.fwo.be/nl/mandaten-financiering/europese-programmas/era-net/oproepen/>

FO regulations:

<https://www.fwo.be/nl/mandaten-financiering/onderzoeksprojecten/onderzoeksproject/>

SBO regulations:

<https://www.fwo.be/nl/mandaten-financiering/onderzoeksprojecten/sbo-projecten/>



BELGIUM

Participating organisation: Vlaams Agentschap voor innoveren en ondernemen (VLAIO)

Indicative Budget: 1.5 M€

National Contact Person(s):

Dirk Veelaert / Bert Beck

Phone: +32 2 432 42 19 / +32 2 432 43 07

E-Mail: Dirk.veelaert@vlaio.be / Bert.beck@vlaio.be

Name of & link to the funding programme(s) and other relevant information:

- Research projects : <https://www.vlaio.be/nl/subsidies-financiering/onderzoeksproject>
- Development projects : <https://www.vlaio.be/nl/subsidies-financiering/ontwikkelingsproject>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 500 k€ per funded partner

Institutional eligibility criteria:

Additional templates to be completed : <https://www.vlaio.be/nl/subsidies-financiering/onderzoeksproject/aanvraagprocedure>

- „Annex internationaal onderzoeksproject“ or „Annex international research project“
- „Template projectbegroting o&o project“

Those completed templates are mandatory to check the national eligibility and must be sent to the Agentschap Innoveren en Ondernemen.

We kindly ask the applicants to apply for a meeting with the Agentschap Innoveren en Ondernemen ultimately 2 weeks before the deadline for submission to check the eligibility aspects.

Institutional thematic priorities:

n/a

Proposals with the following focus cannot be funded:

n/a

Additional information:

www.vlaio.be



CROATIA

Participating organisation: Ministarstvo znanosti i obrazovanja (MSE)

Indicative Budget: 0.1 M€

National Contact Person(s):

Željka Skočilić

Phone: +385 1 4594-346

E-Mail: zeljka.skocilic@mzo.hr

Name of & link to the funding programme(s) and other relevant information:

Text

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 60.000 EUR - the Croatian applicant is partner regardless of number of applicants. Principal Investigators are not allowed to apply for funding in more than one proposal within this call.

Eligible costs are:

- Consumables;
- Travel expenses;
- Overhead (indirect costs) is calculated as a percentage of direct costs: staff costs, logistics costs (excluding capital costs and cost for subcontracting) and travel expenses. Indirect costs will not exceed 15 % of direct costs.

Institutional eligibility criteria:

Eligible applicants are public research organisations.

Institutional thematic priorities:

- Unlock the potential of microbiomes to support growth in aquaculture, fisheries, food processing and biotechnology
- Create predictive tools to improve the identification and targeting of biodiversity “hot-spots” in the oceans, e.g. by use of omics-based technologies
- Create synergies between aquaculture and fisheries (e.g. through genetic assessment).

Proposals with the following focus cannot be funded:

n/a

Additional information:

n/a



ESTONIA

Participating organisation: Eesti Teadusagentuur (ETAG)

Indicative Budget: 0.1 M€

National Contact Person(s):

Argo Soon/ Katrin Kello

Phone: +372 730 0372 / +372 731 7361

E-Mail: argo.soon@etag.ee / katrin.kello@etag.ee

The Estonian Research Council (hereinafter ETAG) funds basic and applied research. Applied research is only funded as far as it does not refer to product development with commercial value and for marketing purposes.

1. Participants of the project

1.1 The Host Institution is the institution to which the grant will be allocated. The Host Institution must be registered and located in Estonia. R&D institutions must conform to the Organisation of Research and Development Act. For enterprises, subsection 3(2) of the Organisation of Research and Development Act does not apply.

The Host Institution must declare that the project can be carried out within their premises and that it will employ the Principal Investigator during the proposed project, should the project receive funding.

1.2 The Principal Investigator is the researcher who submits the project proposal and who will be responsible for the use of the grant and for the implementation of the project.

The Principal Investigator:

1.2.1 must have an updated public profile in the Estonian Research Information System (ETIS), or as an alternative, convert his/her ETIS publications table into a PDF and send it directly to the ERA-NET's contact point at ETAG;

1.2.2 must hold a doctoral degree or an equivalent qualification. The degree must be awarded by the submission deadline of the grant application, at the latest;

1.2.3 must have published at least three articles which comply with the requirements of clause 1.1 of the ETIS classification of publications, or at least five articles which comply with the requirements of clauses 1.1, 1.2, 2.1 or 3.1, within the last five years prior to the proposal submission deadline. International patents are equalled with publications of clause 1.1. A monograph (ETIS clause 2.1) is equalled with three publications mentioned in clause 1.1 if the number of authors is three or less. If the applicant has been on pregnancy and maternity or parental leave or in the compulsory military service, or has other serious grounds, the publication period requirement will be extended by the respective time.

1.3 Senior research staff of the project participates in the substantial performance of the project. They must hold at least master's degree or an equivalent qualification.

2. Budget

2.1 Research expenses consist of direct costs (personnel costs incl. scholarships, travel costs and other direct costs) and subcontracting costs. The research expenses must be used to carry out the project and be respectively identifiable.

2.2 Direct costs

2.2.1 Personnel costs are monthly salaries with social security charges and all other statutory costs of the participants of the project calculated according to their commitment and proportionately to their total salary cost at their Host Institution.

2.2.2 Scholarships equal to the state doctoral allowance may be paid out of the grant to doctoral students not receiving any salary from the Host Institution. Should a doctoral student participate in several projects financed by ETAg, the total amount of the scholarship from these projects may not exceed the nationally determined amount of doctoral allowance.

2.2.3 Travel costs may cover expenses for transport, accommodation and daily allowances.

2.2.4 Other direct costs are:

- consumables related to the project;
- costs for publication and dissemination of project results;
- costs for organising meetings, seminars or conferences;
- fees for participation in scientific forums and conferences;
- all other costs that are identifiable as clearly required for the implementation of the project.

2.3 Subcontracting costs should not be included in the overhead calculation and should cover only additional or complementary research related tasks (e.g. costs for translation, analyses, etc.) performed by third parties. Core project tasks should not be subcontracted. Subcontracting costs may not exceed 10% of the total costs.

2.4 Overhead may not exceed 20% of eligible direct research costs and should cover general expenses of the Host Institution. Costs for equipment and services intended for public use (copying machine or printer publicly used, phone bills, copying service, etc.) should be covered from the overhead.

2.5 Double funding of activities is not acceptable.

3. Enterprises

EU Regulations on State Aid for Research and Development must be taken into account when requesting funding from ETAg. The state aid form must be filled in. No tax arrears are allowed on the proposal submission date.

4. Grant Agreement

ETAg shall enter into a grant agreement with the Host Institution and the Principal Investigator.

5. Research involving human subjects or animal tests

If human research or animal tests are intended in the project, a positive resolution by the Human Research Ethics Committee or the Authorization Committee for Animal Experiments must be submitted to ETAg by the start of the relevant activities.

6. Nagoya protocol

By applying for funding by ETAg the applicants agree to consider the relevance of Nagoya protocol for their research, and to submit the Due Diligence Declaration if applicable.



ESTONIA

Participating organisation: Maaeluministeeriumi (MEM)

Indicative Budget: 0.1 M€

National Contact Person(s):

Helena Pärenson / Maarja Malm

Phone: +372 625 6550 / +372 625 6250

E-Mail: helena.parenson@agri.ee / maarja.malm@agri.ee

Name of & link to the funding programme(s) and other relevant information:

The national programme “Applied Research and Development in Agriculture 2015-2021”

<http://www.agri.ee/et/pollumajanduslikud-rakendusuringud-ja-arendustegevus-aastatel-2015-2021>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 100 000 €

Please note that there is a 5% of own contribution required upon funding.

The total requested funding for all Estonian partners within one consortium may not exceed 100 000 €.

Participants must be universities or research organisations and meet other eligibility requirements determined by the national programme “Applied Research and Development in Agriculture 2015-2021”.

Institutional eligibility criteria:

Participants must be universities or research organisations and meet other eligibility requirements determined by the national programme “Applied Research and Development in Agriculture 2015-2021”.

Institutional thematic priorities:

Estonian Ministry of Rural Affairs will prioritize proposals on their potential in solving societal challenges, addressing the objectives of the COP21, and in accordance to the general objectives of the Estonian Agricultural, Food and Fisheries Science and Knowledge Transfer Development Plan for 2015-2021 (available in Estonian only, at <https://www.agri.ee/et/eesmargid-tegevused/teadus-arendus-ja-nouanne/teadus-ja-arendustegevus>).

Proposals with the following focus cannot be funded:

Proposals outside the thematic scope of the national programme “Applied Research and Development in Agriculture 2015-2021” cannot be funded.

Additional information:

- Scientific results of the projects must be made publicly available.
- It is not necessary to submit any additional national application forms to the Ministry; a transnational application to the central call office is sufficient. The national assessment of pre-proposals will correspond to the rules provided in the call.
- Estonian project partners with positively evaluated full proposals will be invited by the Estonian Ministry of Rural Affairs to agreement negotiation.



DENMARK

Participating organisation: Innovation Fund Denmark (IFD)

Indicative Budget: 1.5 M€

National Contact Person(s):

Scientific Officer, Brian Christensen

Phone: +45 61 90 50 88

Mail: brian.christensen@innofond.dk

International Administration

Mail: internationale@innofond.dk

International Coordinator Martin Kyvsgaard

Phone: +45 6190 5081

Mail: martin.kyvsgaard@innofond.dk

Name of & link to the funding programme(s) and other relevant information:

Innovation Fund Denmark: <https://innovationsfonden.dk/en/programmes/international-collaborations>

Innovation Fund Denmark's (IFD) purpose is to advance research, development, testing and validation of innovative solutions for the benefit of growth and employment in Denmark, as well as to solve societal challenges. The projects IFD invest in must create a clear societal value and/or economic value in Danish public and private companies and/or for beneficiaries in society e.g. citizens, the state, regions and municipalities. IFD can invest in international projects if such the projects can strengthen Danish research and innovation. IFD encourage all types of partners to participate in international projects.

Max. project duration: proposed projects may last up to 36 months

Max. funding per project:

IFD can invest in projects at TRL 2-7 and with a maximum of 500.000 € per project.

Institutional eligibility criteria:

IFD investment is given in accordance with "The General Terms and Conditions for International Projects" focus on issues where IFD's terms and administration vary from the Terms and Conditions for the Danish Grand Solutions programme. The Terms and Conditions and Guidelines for Grand Solutions apply for all issues not mentioned in the present document.

If an application results in a subsequent approval and IFD investment, a reference to national templates will be included in the grant agreement informing about the grant and the grant conditions*.

General Terms and Conditions for International Projects:

<https://innovationsfonden.dk/sites/default/files/2018-10/general-terms-and-conditions-for-international-projects-approved-after-1-feb-2018.pdf>

* The legal background for an IFD investment is Act on Innovation Fund Denmark no. 306 of March 29, 2014, amended in Act no. 384 of April 26, 2017 and Executive Order no. 1150 on awarding of grants etc. by Innovation Fund Denmark of October 25, 2017.

Investment rates:

The maximum investment rates by IFD including possible public co-funding follows the rates that apply to IFD's Grand Solutions programme. The general maximum investment rates incl. possible EU' co-funding is indicated in the table below.

The global maximum for IFD investment to cooperation projects is 75% of the total project costs. In international projects, the total costs are calculated on basis of the total project costs including the foreign partner's contribution. IFDs funding rate is calculated excl. possible EU co-funding.

Applicant typology Activity typology		Investment rates for Innovation Fund Denmark					
		Actual costs Salary max 1.000 DKK per hour		Actual costs X institute rate	Public organisations		
		SME's	Large Enterprises	GTS	Universities & University Colleges	Public Hospitals	Other public organisations
Industrial Research	Grant	75%	65%	60%	90% + 44% overhead	90% + 3,1% overhead	90% - no overhead
Experimental Development	Grant	33%	25%	60%	90% + 44% overhead	90% + 3,1% overhead	90% - no overhead

Registration of applications for Danish partners in International Projects

All Danish partners in International Project applications under IFD must register in our online administration platform [E-grant](#). The deadline for the registration is two weeks after the deadline for submitting the project application. Register under the same call option as you have applied. Name your project [Application ID – Acronym – Institution/Company].



FINLAND

Participating organisation: Ministry of Agriculture and Forestry (MMM)

Indicative Budget: 0.3 M€

National Contact Person(s):

Timo Halonen / Orian Bondestam

Phone: +358 295162411 / +358 295162494

E-Mail: timo.halonen@mmm.fi / orian.bondestam@mmm.fi

Name of & link to the funding programme(s) and other relevant information:

Ministry of Agriculture and Forestry, Research and Development.

<https://mmm.fi/tutkimus> (in Finnish), <https://mmm.fi/en/research-and-development> (in English)

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: MMM funding indicatively 150 000 € per project. Other funding sources are welcomed (research institutions, industry partners, external contributors)

General information / Institutional eligibility criteria:

- Enterprises are funded as well as research organisations; 70 % (research organisations) and 25-80 % (enterprises) of the project's gross eligible costs are covered.
- The work carried out must be research and/or prototype demonstration prior to commercialisation. Product development supporting individual companies is not supported.
- The results of the funded projects must be open for access by all potential user groups
- The application must contain a plan for communication and dissemination of the results
- Applicants are required to make sure that the total sum of the budget includes all details for full cost model. Financial involvement must be clearly stated in the application (applied amount, own contribution, contribution from other sources, e.g. industry).
- Funding does not cover expenditures for activities before the project has been granted.

Institutional thematic priorities:

All priority areas are relevant.

Proposals with the following focus cannot be funded:

n/a

Additional information:

Applicants are advised to contact the Ministry of Agriculture and Forestry before preparing applications for this call.

More information on general conditions and instructions (only in Finnish): <https://mmm.fi/tutkimus-ja-kehittaminen/lomakkeet-ja-ohjeet>.



GERMANY

Participating organisation: Federal Ministry of Food and Agriculture (Bundesministerium für Ernährung und Landwirtschaft, BMEL)

Indicative Budget: 1.0 M€

National Contact Person(s):

The BMEL is represented by the Federal Office for Agriculture and Food (Bundesanstalt für Landwirtschaft und Ernährung, BLE), Unit 315 - European Research Affairs:

Dr. Vivian Vilich / Dr. Johannes Bender

Phone: +49 228 6845 3755 / +49 228 6845 3610

E-Mail: Vivian.Vilich@ble.de / Johannes.Bender@ble.de

Name of & link to the funding programme(s) and other relevant information:

Specific Programme on International Research Cooperation on Global Food Security and other international research tasks regarding Food and Agriculture

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: Maximum of 330.000 € funding will be awarded per project as non-repayable project grant.

Institutional eligibility criteria:

BMEL funding is based on §§ 23 and 44 BHO (Bundeshaushaltsordnung) and associated administrative regulations. The main items are the following:

- The funding regulations, follow-up and reporting of publicly funded projects are regulated according to NABF (Nebenbestimmungen des Bundesministeriums für Bildung und Forschung für Zuwendungen zur Projektförderung auf Ausgabenbasis).
- Proposed projects must adhere to the specifics of the national announcement.
- Eligible applicants are universities, universities of applied sciences, non-university research institutions as well as federal and state institutions with research tasks are eligible to apply. Research institutions which are jointly funded by the Federal Government and the 'Länder' may only be granted project funding under certain conditions and only for project-related expenditures in addition to their basic funding.
- Proposals shall outline their detailed activities of knowledge transfer at national level.

Additional information on national funding is provided on <https://foerderportal.bund.de/easy/> =>

Formularschrank => Bundesanstalt für Landwirtschaft und Ernährung (BLE)

Institutional thematic priorities:

Priority area 2: Exploring improvements in fisheries and aquaculture

Proposals with the following focus cannot be funded:

n/a

Additional information:

National funding of the 2019 BlueBio Cofund Call is provided as delineated in the national announcements published in the 'Bundesanzeiger'. A link can be found on the BLE homepage www.ble.de.



GERMANY

Participating organisation: Bundesministerium für Bildung und Forschung (BMBF)

Indicative Budget: 3.5 M€

National Contact Person(s):

Jella Kandziora / Katerina Kotzia

Phone: +49 2461 61 5663 / +49 2461 6158443

E-Mail: j.kandziora@fz-juelich.de / k.kotzia@fz-juelich.de

Name of & link to the funding programme(s) and other relevant information:

National Research Strategy BioEconomy 2030, <https://www.bmbf.de/de/biooekonomie-neuekonzepte-zur-nutzung-natuerlicher-ressourcen-726.html>, in particular Richtlinie zur Förderung transnationaler

Verbundvorhaben auf dem Gebiet der Aquakultur und Fischerei in the frame of the European Research Area-Net Cofund on Blue Bioeconomy.

Max. project duration:

Proposed projects may last up to 36 months

Max. funding per project:

Total requested budget of a country cannot exceed **60 %** of the total eligible project budget in order to achieve balanced partnerships and ensure that responsibility and risks are shared.

Institutional eligibility criteria:

German applicants must be research groups from academia, universities, research organisations or industry. Enterprises, especially SMEs, may participate as partners provided they can prove their financial stability (see hereunder).

Institutional thematic priorities:

BMBF will support projects within the entire scientific scope outlined in the Call Announcement.

Proposals with the following focus cannot be funded:

n/a

Additional information:

Bundesministerium für Bildung und Forschung (BMBF) / Projektträger Jülich

BMBF funding of the BlueBio call is provided as delineated in the announcement Richtlinie zur Förderung transnationaler Verbundvorhaben auf dem Gebiet der Aquakultur und Fischerei in the frame of the European Research Area-Net Cofund on Blue Bioeconomy, which will presumably be published in late December 2019 or early January 2019 in the Bundesanzeiger.

Funding bases on §§23 and 44 BHO (Bundeshaushaltsordnung) and associated administrative regulations. The main items are as follows:

- Applications must be compatible with the above mentioned national announcement.
- The procedure of application is stated under the chapters 6 - 12 of the above stated protocol. Funding will be awarded as non-repayable project grant.
 - The funding, the follow-up and reporting of publicly funded projects are regulated by national guidelines: the „Nebenbestimmungen für Zuwendungen auf Ausgabenbasis des Bundesministeriums für Bildung und Forschung zur Projektförderung“ (NABF) and the

„Nebenbestimmungen für Zuwendungen auf Kostenbasis des Bundesministeriums für Bildung und Forschung an gewerbliche Unternehmen für Forschungs- und Entwicklungsvorhaben“ (NKBF 2017) respectively. Additionally, duties as delineated in this Call Announcement in the Chapters „15. OBLIGATIONS FOR FUNDED PROJECTS (CONTRACT CONDITIONS)“ and “16. COMMUNICATION, DISSEMINATION AND EXPLOITATION OF PROJECT RESULTS” must be respected as well.

- Eligible applicants are universities, research institutions and enterprises, especially SMEs, domiciled in Germany. Research institutions, which receive basic financing, can be funded subject to specific conditions.
- For universities intending to request the “Projektpauschale” in the frame of the present call, the budget in the pre-proposal must include this “Projektpauschale”.
- Double funding is not possible.

The documents have to be submitted to:

Forschungszentrum Jülich GmbH
Jella Kandziora
PtJ-BIO1
52425 Jülich
GERMANY



GREECE

Participating organisation: Geniki Grammatia Erevnas Kai Technologias (GSRT)

Indicative Budget: 1.5 M€

National Contact Person(s):

Paraskevi Afentaki, Directorate for International Scientific & Technological Cooperation

Phone: +30 213 1300 112

E-Mail: pafe@gsrt.gr

Funding criteria and regulations

Research Categories eligible for funding

The aided part of the research should completely fall within one or more of the following categories: industrial research, experimental development and feasibility studies (COMMISSION REGULATION (EU) No 651/2014 article 25).

Eligible applicants

GSRT potentially supports all private and public legal entities namely: private enterprises (such as SMEs, large-companies etc), research organizations, higher education institutions, and other public organizations with R&D activities). Individuals are not eligible under this scheme.

Budget – Topics - TRL

EUR 1.500.000,00 national funding that comes from structural funds and particularly from the Operational Program for Competitiveness, Entrepreneurship and Innovation 2014-2020, Research and Innovation Strategy for Smart Specialization (RIS3).

TRL : 3-7

All 4 priority areas are supported

Maximum funding per project

200.000 € per project (including indirect costs). Please note that this amount can be increased to 250.000 € per project if the Greek partner assumes project coordination (6-8 projects tentatively envisaged to be funded).

Eligible costs

- (a) personnel costs: researchers, technicians and other supporting staff to the extent employed on the project.
- (b) costs on fixed assets i.e. b1) costs of instruments and equipment to the extent and for the period used for the project. Where such instruments and equipment are not used for their full life for the project, only the depreciation costs corresponding to the life of the project, as calculated on the basis of generally accepted accounting principles are considered as eligible and b2) costs for buildings and land, to the extent and for the duration period used for the project. With regard to buildings, only the depreciation costs corresponding to the life of the project, as calculated on the basis of generally accepted accounting principles are considered as eligible. For land, costs of commercial transfer or actually incurred capital costs are eligible.
- (c) costs of contractual research, knowledge and patents bought or licensed from outside sources at arm's length conditions, as well as costs of consultancy and equivalent services used exclusively for the project.
- (d) additional general costs and other operating expenses, including costs of materials, supplies, travel expenses, organization of meetings, dissemination/publicity costs, audit costs, incurred directly as a result of the project implementation.
- (e) indirect costs = flat rate 15% of gross personnel costs excluding VAT = 15%* (a-(VAT of a)). Indirect costs are eligible for all legal entities and include costs that do not incur directly as a result of the project implementation (e. g. administrative and management costs, utility costs).

Note: Please bear in mind that scientific management costs are eligible under category (a) whereas administrative and financial/legal management costs fall under eligible categories (e) or (d)-audit costs only.

Aid of intensity

Public research Institutes and Universities: the aid intensity can reach 100% for performing non-economic activities in accordance with point 19, article 2.1.1 of the «Framework for State aid for research and development and innovation» (2014/C 198/01)).

Private Sector: (a) 50% of the eligible costs for industrial research; (b) 25% of the eligible costs for experimental development; (c) 50% of the eligible costs for feasibility studies.

- The aid intensities for industrial research and experimental development may be increased up to a maximum aid intensity of 80% of the eligible costs as follows:

(a) by 10 percentage points for medium-sized enterprises and by 20 percentage points for small enterprises;

(b) by 15 percentage points if one of the following conditions is fulfilled:

(i) the project involves effective collaboration:

— between undertakings among which at least one is an SME, or is carried out in at least two Member States, or in a Member State and in a Contracting Party of the EEA Agreement, and no single undertaking bears more than 70 % of the eligible costs, or

— between an undertaking and one or more research and knowledge-dissemination organisations, where the latter bear at least 10 % of the eligible costs and have the right to publish their own research results;

(ii) the results of the project are widely disseminated through conferences, publication, open access repositories, or free or open source software.

-The aid intensity for feasibility studies may be increased by 10 percentage points for medium-sized enterprises and by 20 percentage points for small enterprises.

Project Duration

The duration of a funded project must be 24-36 months. Under specific conditions it may be extended by 33% taking into account the starting date without modifying the scientific or increasing the financial part of the project and the prerequisites of the current Operational Programme 2014-2020 (e.g. closing date for financing the projects in national level).

Submission at the national level is not required at this stage. A national call will be published for the submission of the approved, at the transnational level, proposals only.

This Annex is for general guidance only. More detailed information (e.g. eligibility criteria, funding rates) can be found at the latest national guide available at the following link:

http://www.gsrt.gr/central.aspx?sld=10813341110616461444510&olID=777&neID=673&neTa=12_20503_1&nclD=0&neHC=0&tbid=0&lrID=2&oldUIID=al7771011191428110891013&actionID=load

All applicants are strongly encouraged to contact the NCP prior to submission.



ICELAND

Participating organisation: Rannsóknamiðstöð Íslands (RANNIS)

Indicative Budget: 1.0 M€

National Contact Person(s):

Name Lýður Skúli Erlendsson / Sigurður Björnsson

Phone: +354 5155800

E-Mail: lydur@rannis.is / sigurdur@rannis.is

Name of & link to the funding programme(s) and other relevant information:

Technology Development Fund

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: Maximum funding is 330 k€ per project for Icelandic entities and the maximum funding in Icelandic krona is IKR 45.000.000 per project over a project period of 3 years.

Eligible cost for research institutes and companies is in accordance with the the Technology Development Fund rules for the grant type "[Applied research](#)".

Own contribution for research institutes and companies is in accordance with the Technology Development Fund rules for the grant type "[Growth](#)".

Institutional eligibility criteria:

All legal entities (public and private sector)

Institutional thematic priorities:

n/a

Proposals with the following focus cannot be funded:

n/a

Additional information:

n/a



IRELAND

Participating organisation: Marine Institute (MI)

Indicative Budget: 1.0 M€

National Contact Person(s):

Veronica Cunningham, Research Funding Office, Marine Institute, Rinville, Oranmore, Co. Galway H91 R673, Ireland

Phone: +353 91 387532

Email: veronica.cunningham@marine.ie

Name of & link to the funding programme(s) and other relevant information:

The call is supported by the Marine Institute and the Irish Government, funded under the Marine Research Programme 2014-2020. The National Rules for this call will be published on the Marine Institute website at the following link: <https://www.marine.ie/Home/site-area/research-funding/research-funding/current-funding-opportunities>

Research to be undertaken by Irish partners should be consistent with the aims of the National Marine Research and Innovation Strategy 2017-2021 and other national strategies, such as Innovation 2020 and Food Wise 2025. Applicants are advised to contact their National Contact Point prior to submission of any application under this call.

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 500 k€

The maximum amount that an Irish **industry partner** can request in grant-aid funding is 200,000 Euro.

Higher Education Institutions and Other Public Research Bodies can request grant-aid funding as follows:

HEI/PRB as sole Irish partner	Up to 200,000 Euro
Irish HEI/PRB with Irish Industry partner	Up to 250,000 Euro
Irish HEI/PRB as the consortium coordinator	Up to 300,000 Euro

Maximum overheads allowed is 30% of all costs excluding Equipment and Subcontracting.

Subcontracting to a third party for specialist resources/skills is allowable, subject to normal procurement guidelines. Subcontracting costs are limited to 20% maximum.

Refer to the National Rules for full details of all eligible costs allowed under this call.

Institutional eligibility criteria:

Legal entities in the Republic of Ireland with the appropriate scientific and technical qualifications and expertise can be funded as partners in a joint proposal.

The eligible partners are Higher Education Institutions, Other Public Research Bodies, Industry and Private Organisations in the Republic of Ireland.

Any proposal involving an **industry partner** from Ireland must also have an Irish partner from a Public Research Body.

BlueBio Cofund - Call text documents

The maximum Grant-Aid reimbursement for Industry is 50% for Large Scale Enterprises and 75% for Small-Medium Sized Enterprises of eligible costs. Grant-Aid reimbursement for Higher Education Institutions and Other Public Research Bodies is up to 100% of eligible costs.

Institutional thematic priorities:

Applications may apply under any of the four priority areas.

Proposals with the following focus cannot be funded:

Not applicable.

Additional information:

Any clarifications or queries with respect to the National Rules should be sent to the national contact point specified above or to funding@marine.ie



IRELAND

Participating organisation: Science Foundation Ireland (SFI)

Indicative Budget: 0.5 Million €

National Contact Person(s):

Dr Maria Nash, EU Affairs Executive, Strategy & Transformation Directorate, Science Foundation Ireland, Wilton Park House, Wilton Place, D02 NT99

Phone: +353 1 607 3291

E-Mail: maria.nash@sfi.ie

Name of & link to the funding programme(s) and other relevant information:

This call is supported by Science Foundation Ireland under its competitive research fund.

Science Foundation Ireland funds oriented basic and applied research in the areas of science, technology, engineering and mathematics.

The National Rules for this call will be published on the Science Foundation Ireland website at:

<http://www.sciencefoundationireland.ie/funding/funding-calls/>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 300 k€ Text for specification

Higher Education Institutions and Other Public Research Bodies can request grant-aid funding as follows:

HEI/PRB as sole Irish partner	Up to 200,000 Euro
Irish HEI/PRB with Irish Industry partner	Up to 250,000 Euro
Irish HEI/PRB as the consortium coordinator	Up to 300,000 Euro

Overheads are calculated as 30% of the direct costs but excluding therefrom the cost of all equipment identified in the application.

Institutional eligibility criteria:

Applicants from eligible bodies only (see <http://www.sciencefoundationireland.ie/funding/sfi-policies-and-guidance/eligibility-related-information/>).

Institutional thematic priorities:

Applications may apply under any of the four priority areas.

Proposals with the following focus cannot be funded:

Not applicable.

Additional information:

Any clarifications or queries with respect to the National Rules should be sent to the national contact point specified above or to eu-cofund@sfi.ie



ITALY

Participating organisation: Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)

Indicative Budget: 0.6 M€

National Contact Person(s):

Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)

via Michele Carcani 61 – 00153 Rome

<http://www.miur.gov.it>

[http://www.ricercainternazionale.miur.it/era/eranet-cofund-\(h2020\)/bluebio.aspx](http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/bluebio.aspx)

Name of & link to the funding programme(s) and other relevant information:

FIRST (Fondo per gli Investimenti nella Ricerca Scientifica e Tecnologica) and IGRUE account for the EU cofunding.

Applicable laws and rules:

- Decreto legge n. 83/2012
- Decreto Ministeriale n. 593 del 26 luglio 2016
- Linee guida al D.M. del 26 luglio 2016 n. 593
- Procedure operative per il finanziamento dei progetti internazionali ex art. 18 D.M. del 26 luglio 2016 n. 593

The criteria and provisions provided herewith are intended only for informative purposes. The complete list of criteria and provisions legally valid, which must be respected by all the Italian participants, is included in the “Avviso integrativo nazionale”, published on the [dedicated web page](#) on MIUR website

Max. project duration:

Min. project duration: 24 months

Max. project duration: 36 months

Max. funding per project:

Overall funding commitment for the call: 600.000 €. A maximum grant of 150.000 Euro can be awarded to each project proposal, even if it includes more than one Italian participant.

Institutional eligibility criteria:

The following entities are eligible, providing that they have stable organization in Italy: enterprises, universities, research institutions, research organizations in accordance with EU Reg. n. 651/2014 of the European Commission - June 17, 2014.

Any participant, in order to be eligible, must comply with the eligibility criteria listed in the art. 2.4 of the “Linee guida al DM 593/2016”.

A maximum of two Italian participants per project proposal, requesting funding to MIUR, is admitted.

A Principal Investigator can participate (either as coordinator or as partner) in only one project proposal, requesting funding to MIUR.

All costs incurred during the lifetime of the project under the following categories are eligible: Personnel, Equipment, Subcontracting, Consumables, and Overheads. Overheads (“Spese generali”) shall be calculated as a percentage of the personnel costs and cannot be higher than 50% of them. Travel expenses, dissemination and coordination costs are to be included in the overheads.

The amount of funding which can be granted to each beneficiary is calculated multiplying the eligible costs for the funding rate listed in the following table:

	Funding Rates
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Applicant typology		Enterprises and private research bodies (which meets the requirements of research organization under EU Reg. no. 651/2014 of the Commission - June 17, 2014)			Universities, public research institutions, research organizations (public and private) in accordance with Reg. EU n. 651/2014 of the Commission - June 17, 2014)
		Small Enterprises	Medium Enterprises	Big Enterprises	
Activity typology					
Basic Research	grant	40%	30%	20%	70%
Industrial Research	grant	40%	30%	20%	50%
Experimental Research	grant	30%	20%	10%	25%

On request of applicants a pre-payment may be done, equal to:

- 80% of the total contribution for public entities;
- 50% of the total contribution for private entities.

The remaining part of contribute will be paid in instalments after each financial and progress reporting period.

Institutional thematic priorities:

All activities classifiable as Basic research, Industrial research and Experimental development are eligible for funding.

Furthermore, Basic research and Industrial research activities must be predominant with respect to Experimental development activities.

National application

In addition to the project proposal, which shall be submitted at European level, the Italian participants are requested to submit further documentation to MIUR, through the national web platform, available at the following link: <http://banditransnazionali-miur.cineca.it>

These national additional documents must be submitted by the same deadline established for the pre-proposal phase submission as defined in the international joint call.

Any participant who does not submit its national documents by the deadline of the pre-proposal phase, will be considered not eligible for funding.

MIUR will require to all Italian participants admitted to the second step some additional documents describing more in detail the participant and its research activities within the project and to accept the Grant Agreement format.

It is strongly recommended to contact the National Contact Persons already in early stage of project preparation.

The admission for funding is subject to the adoption of the necessary accounting and administrative measures for the allocation of the resources.

Funded participants will be requested to submit financial and scientific reports to MIUR.



MALTA

Participating organisation: Malta Council for Science and Technology (MCST)

Indicative Budget: 0.1 M€

National Contact Person(s):

Corinne Muscat Terribile, Office of the Prime Minister

Phone: +00356 23602152

E-Mail: corinne.muscat-terribile@gov.mt

Name of & link to the funding programme(s) and other relevant information:

<http://mcst.gov.mt/>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: €100,000

Institutional eligibility criteria:

Please consult detailed National Rules for Participation

Institutional thematic priorities:

Supporting all 4 priority areas

Proposals with the following focus cannot be funded:

N/A

Additional information

The detailed National Rules for Participation for Malta can be accessed from the MCST website -

<http://mcst.gov.mt/>



NORWAY

Participating organisation: Innovasjon Norge (IN)

Indicative Budget: 0.2 M€

National Contact Person(s):

Ole Jørgen Marvik

Phone: +47 911 95 876

E-Mail: ole.jorgen.marvik@innovationnorway.no

Name of & link to the funding programme(s) and other relevant information:

The Bioeconomy Scheme

<https://www.innovasjon norge.no/no/finansiering/bioekonomiordningen/>

Max. project duration: Proposed projects may last up to max 36 months

Max. funding per project: Up to 200.000 €

Institutional eligibility criteria:

Only companies can be funded by Innovation Norway.

Institutional thematic priorities:

Sustainability is an important evaluation criterion.

Proposals with the following focus cannot be funded:

n/a

Additional information:

Final grant approvals will have to follow Innovation Norway's general routines and policies.



NORWAY

Participating organization: Norges forskningsråd (RCN)

Indicative Budget: 5.5 M€

National Contact Person(s):

Name Lars H Andresen / Kristin E Thorud

Phone: +47 917 47 117 / +47 930 24 722

E-Mail: lh@rcn.no / ket@rcn.no

Name of & link to the funding programme(s) and other relevant information

Large-scale Programme on Aquaculture Research (HAVBRUK):

https://www.forskningsradet.no/prognnett-havbruk/Home_page/1226994216880

Marine resources and the environment (MARINFORSK):

<https://www.forskningsradet.no/prognnett-marinforsk/Forside/1254009007195>

Biotechnology for innovation (BIOTEK2021):

https://www.forskningsradet.no/prognnett-biotek2021/Home_page/1253970728140

Sustainable Innovation in Food and Bio-based Industries (BIONÆR):

https://www.forskningsradet.no/prognnett-bionaer/Home_page/1253971968569

Max. project duration

Proposed projects may last up to 36 months.

Max. funding per project

The requested total funding from Norwegian partners cannot exceed 750 000 € per proposal

Up to 600 000 € to a partner if a coordinating role, maximum 500 000 € to other partners.

The actual payout will be in Norwegian kroner. The total sum is based on the actual currency on the date for deadline for the full proposal.

Institutional eligibility criteria

RCN may fund both research institutions and industry partners in projects. Norwegian applicants for funding from RCN will need to comply with RCN requirements regarding eligible institutions:

[General application requirements](#) and [Researcher project](#) or [Innovation Project for the Industrial Sector](#)

The aided part of the project is set by the State Aid Rules

(https://www.forskningsradet.no/en/State_aid_rules/1253979455092). State aid awarded by the Research

Council is granted under the [General Block Exemption Regulation for state aid](#), Article 25: Aid for research and development projects.

Institutional thematic priorities

Norges forskningsråd (RCN) is financing all four priority areas in the call, and both marine and freshwater organisms. 1M€ from BIONÆR programme is allocated to exploring synergies with land-based production.

Proposals with the following focus cannot be funded

Not relevant.

Additional information

Project proposals with Technology Readiness Level (TRL) ranging from 1 to 7 will be considered. Projects should propose advancements in TRL levels during their lifetime.

The Norwegian participation must follow RCN's General Terms and Conditions for R&D Projects. General RCN conditions for funding: [Application information](#).

Norwegian project partners receiving funding from RCN will need to sign a separate contract with RCN. Norwegian partners that are coordinators of the projects will be asked to also coordinate the Norwegian partners of the projects. The budget for the Norwegian partners shall follow RCN cost model and RCN regulations.

Support from the RCN awarded to research institutions is normally awarded for non-economic activity. When an entity also pursues economic activities, the financing, the costs and the revenues of those economic activities must be entered in separate accounts.

To ensure that support is awarded in compliance with the state aid rules, RCN asks all applicants selected for conditional allocation of funding to provide supplementary information. The Project Owner must be able to document that its own institution and all its partners (all recipients of state aid) are eligible to receive state aid. Support from the RCN constitutes state aid when it is awarded to an "undertaking", i.e. an actor that carries out an economic activity consisting of offering products or services on a given market.

Open access

The Research Council has stipulated requirements relating to self-archiving and open access to scientific articles produced in connection with R&D projects funded by the Council. Read more about The Research Council's Principles for Open Access to Scientific Publications:

http://www.forskningsradet.no/en/Article/The_Research_Councils_Principles_for_Open_Access_to_Scientific_Publications/1240958527698



PORTUGAL

Participating organisation: Fundação para a Ciência e a Tecnologia (FCT)

Indicative Budget: 0.2 M€

National Contact Person(s):

Name Marta Norton

Phone: + 351 213911565

E-Mail: Marta.Norton@fct.pt

Name of & link to the funding programme(s) and other relevant information:

<https://www.fct.pt/>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 100 k€ per project

Institutional eligibility criteria:

As in the national projects.

- Academic partners up to 100%
- Industrial partners up to 50%

Institutional thematic priorities:

See national regulations: <https://www.fct.pt/apoios/projectos/regulamentofundosnacionais.phtml.pt>.

Proposals with the following focus cannot be funded:

n/a

Additional information:

Portuguese teams need to send a statement of commitment to the FCT National Contact Point

Portuguese applicants can only submit one application as Principal Investigator



PORTUGAL

Participating organisation: Fundo Regional para a Ciência e Tecnologia (FRCT)

Indicative Budget: 0.2 M€

National Contact Person(s):

Fundo Regional para a Ciência e Tecnologia (FRCT)

Tel.: +351 296 308 948

E-Mail: Gisela.MC.Nascimento@azores.gov.pt

Name of & link to the funding programme(s) and other relevant information:

PRO-SCIENTIA is a Regional Government of the Azores system to attribute financial incentives for the Scientific and Technological System of the Azores (SCTA). It generically aims to consolidate the scientific and technological potential of the Azores and its structured in four priority axes - to value, to cooperate, to qualify and to update.

Its goals are:

- stimulate research in relevant areas;
- strengthen the participation of companies in the SCTA;
- promote the economic valuation of research and development activities;
- encourage the creation of transregional and international synergies to project the Azores in the European Research Area;
- qualify the human resources of science;
- promote scientific and technological culture and ensure widespread access to the knowledge.

Program owner: Secretaria Regional do Mar, Ciência e Tecnologia and Vice-presidência do Governo Regional dos Açores

Program Manager: FRCT- Fundo Regional para a Ciência e Tecnologia

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: 100 k€

The beneficiaries should be non-corporate entities from the Scientific and technological system of the Azores (SCTA) with social register in the Azores, namely:

- a) Public institutions of higher education, their institutes and R & D units;
- b) private non-profit institutions whose main activities are R & D;
- c) other public or , non-profit private institutions, which carry out or participate in scientific research activities.

Additional eligibility criteria available at : <http://frct.azores.gov.pt/legislacao/>

Institutional eligibility criteria:

Eligibility criteria:

The beneficiaries must meet the requirements in terms of general eligibility conditions stipulated in Article 7 of Regional Regulatory Decree No. 17/2012 / A

Institutional thematic priorities:

No restrictions

Proposals with the following focus cannot be funded:

n/a

Additional information:

All project related costs, namely direct personal costs, direct costs of subcontracting, other direct costs, indirect costs. Forms of costs and maximum rates of budget categories are stated in FRCT's eligibility rules.

Before initiating a funding request, FRCT strongly recommends that applicants contact FRCT through the regional contact point.

Also see the Guide for the participation of regional research teams in ERA-NETs financed by the FRCT in <http://frct.azores.gov.pt/legislacao/>



ROMANIA

Participating organisation: Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI)

Indicative Budget: 0.4 M€

National Contact Person(s):

Domnica Cotet / Cristina Cotet

Phone: + 40213023880 / + 40213023884

E-Mail: domnica.cotet@uefiscdi.ro / cristina.cotet@uefiscdi.ro

Name of & link to the funding programme(s) and other relevant information:

PNCDI III <http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html>

Max. project duration: proposed projects may last up to 36 months

Max. funding per project:

250.000 euro if the Romanian applicant is coordinators (no matter how many Romanian applicants there are).

200.000 euro if the Romanian applicant is partner (no matter how many Romanian applicants there are).

Principal Investigators are not allowed to apply for funding in more than one proposal of the CHIST-ERA call 2017

Eligible costs are:

- Staff costs;
- Logistics expenses
 - Capital expenditure;
 - Expenditure on stocks - supplies and inventory items;
 - Expenditure on services performed by third parties cannot exceed 25% of the funding from the public budget. The subcontracted parts should not be core/substantial parts of the project work;
- Travel expenses;
- Overhead (indirect costs) is calculated as a percentage of direct costs: staff costs, logistics costs (excluding capital costs and cost for subcontracting) and travel expenses. Indirect costs will not exceed 20% of direct costs.

The aid intensity is applying in respect of type of organization and type of eligible activity (cf. link below).

<http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html>

Institutional eligibility criteria:

All legal entities (public and private sector)

Institutional thematic priorities:

-

Proposals with the following focus cannot be funded:

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Additional information:

The Romanian applicants must read carefully the information available at the link

<http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html>



SPAIN

Participating organisation: Centro para el Desarrollo Tecnológico Industrial (CDTI)

Indicative Budget: 0.5 M€

National Contact Person(s):

Sara Alfonso

Tel.: +34915810489

E-Mail: sara.alfonso@cdti.es

Name of & link to the funding programme(s) and other relevant information:

Relevant information can be found at the following link: “Financiación CDTI para Proyectos Transnacionales en el marco de acciones ERA-NET”

<http://www.cdti.es/index.asp?MP=101&MS=831&MN=2>

Max. project duration: 12- 36 months

Max. funding per project: The minimum eligible budget for CDTI is 150,000 € (this amount applies to the project budget per partner, not the requested funding).

Project transnationality: projects should be transnational by nature, therefore, each country/ region will be responsible for no more than 70% of the total budget project costs.

Institutional eligibility criteria:

Eligible applicants: The eligible institutions must be for-profit enterprises (being Large companies or SME), established and carrying out RTDI activities in Spain.

Other entities such as Universities, Public Research Institutions, Technological Centres, and other non-profit private institutions could participate under subcontracting by Spanish companies (subcontracting cannot exceed the 50% of the national project budget).

Eligible activities: technology-based activities within industrial research and/or experimental development projects (in accordance with the definitions of the General Block Exemption Regulation, EC Regulation nº651/2014) representing outstanding scientific technical quality and high innovative potential. The Spanish part of the proposed work plan must be developed in Spain. Please note that non-technological activities, particularly those related to business models/processes, are excluded for CDTI funding. The eligible costs include:

- Personnel costs, to the extent employed on the research project.
- Instrument and equipment costs, to the extent and during the period in which they are used for the project.
- Contractual research costs, technical knowledge and patents bought or licensed from outside sources at market prices, as well as costs of consulting services intended exclusively for the research project.
- Other costs (operating expenses) including materials, supplies and similar products, exclusively used for the research project. Audit costs for the national reporting of the project (when applicable).
- Additional general expenses (indirect costs, as a percentage of personnel costs).

Please note that management and dissemination costs are not eligible for funding.

Institutional thematic priorities:

-

Proposals with the following focus cannot be funded:

n/a

Additional information:

Additionally to the international application process, those applicants requesting funding from CDTI must submit a formal application by way of CDTI electronic submission system (<https://sede.cdti.gob.es>). The application must include a detailed description, in Spanish Language, of the activities to be undertaken by the company and the respective budget. Applicants must indicate their VAT (CIF) number in all their respective applications (both international and national). Further guidance will be published on CDTI website.

- CDTI funding will be based on grants, which will be calculated as a percentage of the eligible costs, up to a maximum aid intensity of 60 % for small enterprises, 50 % for medium enterprises and 40% for large enterprises, according to the General Block Exemption Regulation (EC Regulation nº651/2014). Specific financial conditions for ensuring the beneficiary's solvency could be required according to CDTI funding rules. CDTI will avoid double funding, and will not finance projects, or parts of projects, which have been already, funded through other national, transnational or EU calls. CDTI will be responsible for making the final decision regarding the awarding of funds, taking fully into account the transnational evaluation of the collaborative project, the previous funds received by the participants for other related projects, the fulfilment of eligibility and funding rules, and the financial resources available. Applicants are strongly advised to check the detailed information available on CDTI website and to contact the NCP for getting advice about national funding rules before submitting a proposal. Please check the complete National Funding Rules on: "Financiación CDTI para Proyectos de Investigación y Desarrollo"
<http://www.cdti.es/index.asp?MP=100&MS=802&MN=2> For further information, please contact the NCP or visit CDTI website: <https://www.cdti.es/>



SPAIN

Participating organisation: Agencia Estatal de Investigación (AEI) Ministerio de Economía, Industria y Competitividad (MINECO)

Indicative Budget: 1.0 M€

National Contact Person(s):

Name Salud Deudero (Scientific issues) / Dr. Jesús Miguel Sanz Morales (Scientific issues)/ Abraham Trujillo Quintela (Administrative and technical issues)

Phone.: +34 916038359

E-Mail: oceans@aei.gob.es

Name of & link to the funding programme(s) and other relevant information:

Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad, Plan Estatal de Investigación Científica y Técnica y de Innovación 2017-2020.

The instrument for funding Spanish groups will be the Spanish call on International Joint Programming Actions “Programación Conjunta Internacional” – PCI 2020. The applicants are advised to consult the national regulation in the Programación Conjunta Internacional 2018 (PCI2018) for informative purposes.

The Spanish legal entities awarded grants are obliged by the regulations established in the PCI national call (or its equivalent) and by the funding limits specified below.

The call will be managed by the Subdivisión de Programas Científico-Técnicos Transversales, Fortalecimiento y Excelencia of the Agencia Estatal de Investigación.

The projects granted by the Agencia Estatal de Investigación must be aligned with the main objectives described in the Programa Estatal.

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: €150 k€ per Partner and €200 k€ per Consortium Coordinator; in the case of two partners: €200 k€ for both partners and €250 k€ in case of Consortium Coordinator

Institutional eligibility criteria

The eligible institutions are non-profit research organizations as per national call (PCI), such as Universities, Public Research Institutions, Technological Centers, and other Private non-profit Institutions performing RDI activities in Spain.

Eligible applicants (mandatory):

Spanish Principal Investigators must be eligible under the PCI call and must have experience as investigators in projects funded by the “Plan Nacional I+D+i 2008-2011”, the “Plan Estatal I+D+i 2013-2016”, ERC Grants, European Framework Programmes or other relevant programmes.

Incompatibilities:

Principal Investigators are not allowed to apply for funding in more than one proposal under the BlueBio ERANET Call nor in more than one proposal under the PCI national call. In addition, Principal Investigators are not allowed to apply for funding in two consecutive PCI calls (or its equivalent). This must be taken into account when participating in other international initiatives.

Principal Investigators must remain unchanged between the proposal of this international call and the PCI national call.

Eligible costs

Direct costs such as:

- Personnel costs for temporary employment contracts (scholarships are not eligible).

- Current costs, small scientific equipment, disposable materials, travelling expenses, coordination cost,
- and other costs that can be justified as necessary to carry out the proposed activities.

Indirect costs (overheads) or clinical trials (proofs of concept, proofs of principle) **are not eligible** for funding in the PCI call.

A maximum of two Spanish partners is accepted per proposal.

La Agencia Estatal de Investigación will avoid double funding and will not finance projects or parts of projects already funded through other national or international calls

Compliance with the funding limits will be considered under the eligibility criteria. Proposals not respecting these limits could be declared ineligible.

The level of funding will take into account the evaluation of the collaborative proposal, the scientific quality of the Spanish group, the added value of the international collaboration, the participation of the industrial sector and the financial resources available.

Mandatory acknowledgement

Any publication or dissemination activity resulting from the granted projects must acknowledge funding by the Agencia Estatal de Investigación: "Project (reference nº XX) funded by the State Research Agency through PCI".

Institutional thematic priorities:

n/a

Proposals with the following focus cannot be funded:

n/a

Additional information:

Useful links:

Agencia Estatal de Investigación – Calls and Grants Text

<http://www.ciencia.gob.es/portal/site/MICINN/menuitem.d20caeda35a0c5dc7c68b11001432ea0/?vgnextoid=33f85656ecfee310VgnVCM1000001d04140aRCRD>

Relevant documents:

Programación Conjunta Internacional" (PCI) (or its equivalent)

The applicants may consult the national regulation in the Programación Conjunta Internacional 2018 for informative purposes



SWEDEN

Participating organisation: Region Västra Götaland (VGR)

Indicative Budget: 0.25 M€

National Contact Person(s):

Jessica Hjerpe Olausson / Lina Waara

Phone: +4670 080 60 18 / +4676 940 29 41

E-Mail: jessica.hjerpe.olausson@vgregion.se / lina.waara@vgregion.se

Regional development in Region Västra Götaland and Program for Sustainable Maritime Development

- Region Västra Götaland - Regional Development: <https://www.vgregion.se/en/regional-development/>
- Region Västra Götaland Program for Sustainable Maritime Development (Swedish only): <https://www.vgregion.se/regional-utveckling/program/hallbara-maritima-naringar/>
- Extended information on Region Västra Götaland - Regional development (Swedish only): <https://www.vgregion.se/regional-utveckling/>

Max. project duration: Proposed projects may last up to 36 months

Max. funding per project: No maximal funding per project applied.

Institutional eligibility criteria:

Regional development Board (regionutvecklingsnämnden) is participating in Horizon 2020; Blue Bioeconomy with a maximum amount of 250 000 EURO during a period of 5 years, starting in the end of 2019. Conditions for funding is that an West Swedish stakeholder is highly ranked after the evaluation process and proposed for funding by the BlueBio Cofund.

All projects are subject to that a project application for funding is filed by the applicant to the Regional Development Board (regionutvecklingsnämnden) and that the board decides to fund the project. Projects considered by the Regional Development Board usually require cofunding in compliance with state aid rules as well as a clear link to business and regional development in Västra Götaland. Special conditions apply to industry with regards to state aid rules.

Institutional thematic priorities:

All thematic priorities in the call are relevant for Region Västra Götaland. We work with marine and maritime issues within the following areas: marine biotechnology, marine renewable energy, maritime operations, maritime tourism, ocean governance and seafood.

Proposals with the following focus cannot be funded:

n/a

Additional information:

Being part of projects linked to the Blue Bioeconomy is strategically important for Region Västra Götaland. We are leading the Maritime Cluster of West Sweden, a network for collaboration on innovation and knowledge-based blue growth in the West part of Sweden. If you want to find a collaborative partner in West Sweden, please investigate the website: <http://www.maritimaklustret.se/en/about-us/> in order to gain knowledge about the maritime sector and its organizations in West Sweden.



SWEDEN

Participating organisation: Forskningsrådet för miljö, areella näringar och samhällsbyggande (FORMAS)

Indicative Budget: 1.5 M€

National Contact Person(s):

Name Petra Wallberg

Tel.: + 46 72 205 62 97

E-Mail: petra.wallberg@formas.se

Name of & link to the funding programme(s) and other relevant information:

The official national call announcement for Sweden will be published on the Formas website:

<http://www.formas.se>.

Applicants are advised to contact their National Contact Point before starting to prepare proposals for application. For national enquiries please see above.

Max. project duration: proposed projects may last up to 36 months

Max. funding per project: Swedish applicants may apply for a maximum of 3 million SEK (approx. 300 k€) for participation in a project and a maximum of 5 million SEK (approx. 500 k€) if the applicant is coordinating the project.

Institutional eligibility criteria:

Formas' standard eligibility criteria for research projects apply, please see Formas' general instructions:

<http://www.formas.se/en/Financing/General-instructions>.

Grants for research projects can only be administered by a Swedish university, university colleges or other Swedish public organizations that fulfil the grant administering organization eligibility requirements of Formas, please see: <http://www.formas.se/sv/Finansiering/Allmanna-anvisningar/Medelsforvaltare>

It is expected that applications to this call will be Collaborative Research Grants with the consortium composition as defined in the call documents, and Formas will fund the Swedish partner of any successful trans-national collaboration.

Institutional thematic priorities:

n/a

Proposals with the following focus cannot be funded:

n/a

Additional information:

n/a

ANNEX 3: A FRAMEWORK FOR RESPONSIBLE RESEARCH AND INNOVATION

Introduction

Societal responsibility and Grand Challenges

Research and technology have become significant restructuring forces in our societies and play a role in determining what kind of futures that are generated. Responsible Research and Innovation (RRI) represents aspirations to ensure that research and technology development are conducted in a societally responsible way, and that importance is attached to how research and technology might contribute to solving the Grand societal Challenges.

Co-production and governance challenges

Research, technology and innovation entail more than uncovering truth or charting out new and improved maps. These are activities that can potentially, and often directly, change the landscape in which we live. We are not only “reading” nature, more and more we are “writing” it as well. It is this trend – exemplified by e.g. synthetic biology or geoengineering⁷ – that provides the background and motivation for an engagement in and for Responsible Research and Innovation (RRI). Research interacts and is interwoven with other social, cultural and historical relations. The intermingling, complexity and dynamics of this co-production means that governance schemes based on distance and clear task distribution between research, technology, innovation and policy are unproductive. It is in recognition of this systemic complexity and dynamics that the vision of Responsible Research and Innovation has emerged. RRI represents a new attempt to mitigate the asymmetry that Jerry Ravetz articulated as follows in 1975: *“Science takes credit for penicillin, while Society takes the blame for the Bomb”*.

Ambitions

Ambitions relating to RRI are formidable. As an expert group appointed by the European Commission states: “RRI seeks to connect research and innovation with the futures in which they play a part”. RRI has become an important concept in political narratives in recent years, particularly in Europe. RRI is a cross-cutting issue under Horizon 2020, and in November 2014 the Italian Presidency of the Council of the European Union presented The Rome Declaration on Responsible Research and Innovation. It is important to stress that RRI is a figuration; it is open, not “owned” by anyone and therefore invites and inspires experimentation, development activities and learning across established boundaries, sectors and disciplines. In this respect RRI is a means unto itself: “RRI is a transparent, interactive process by which societal actors and innovators become mutually responsive to each other...”. In October 2013, the UK’s Engineering and Physical Sciences Research Council (EPSRC) became the first European research council to present an RRI policy, creating a Framework for Responsible Innovation focusing on aspects that it expects will characterise RRI processes ([Framework for Responsible Innovation](#)).

⁷ See, for example, Jack Stilgoe’s discussion of geoengineering as an “archetype of technology as social experiment” in Routledge: *Experiment Earth*, 2015. Link to Stilgoe’s Experiment Earth blog: [.](#)

System changes with RRI

RRI represents a paradigm shift in the fundamental understanding of the relationship between research and society; from linear models to interactive models that focus on interaction and networks across disciplines and societal sectors. Experimental activities indicate that development of RRI will require building new knowledge, expertise, skills and capacity in the research and innovation system. At the same time, the RRI dimensions identified by EPSRC have generic value. Parallels may also be drawn to needs for learning and development identified through long-term efforts in Constructive Technology Assessment (CTA) in the Netherlands and Real-time Technology Assessment (RTTA) in the US.

Dimensions of RRI

RRI presents stretch goals for development and learning in research and innovation systems broadly enough understood to encompass research funding organisations. Introducing RRI is seeking to advance learning and development activities in dialogue with the research environments. The expectation is that the *processes* in the research and innovation systems can be increasingly characterised as:

Anticipatory: Institutions and individuals in our research and innovation systems are repeatedly challenged when it comes to diagnostic and prospective competence and capacity. It has proven difficult to develop substantive diagnoses and correspondingly good prospects or figurations. Technologies may potentially have terrain-changing effects that are realised in complex, dynamic interplay with other societal forces. There is a lack of knowledge and understanding of how to realise this potential in relation to desired societal development (cf. directionality).

Reflexive: This involves employing expertise and capacity to better identify and discuss prerequisites for research and innovation activities, in the form of fundamental, often implicit, assumptions and frameworks of understanding, irreducible uncertainty and areas of ignorance. A greater degree of reflexivity is vital in order to provide directionality in research and innovation processes.

Inclusive: Societal dialogue has long been high up on the agenda of the research and innovation systems. The informative, explanatory monologue on the part of research was to be replaced by (societal) dialogue. After a period of seeking to develop various types of dialogue mechanisms, such as people's juries, lay public conferences, consensus conferences and focus groups, to "enable society to speak back to science," attention is now increasingly being directed towards the research environments themselves. What is being targeted are the skills needed to open up research and innovation processes, recognise the limits of one's own knowledge and competence, and the ability to ask for help in dealing with the potentially landscape-changing effects of these processes.

Responsive: Activities involving the first three dimensions are intended to provide continual input and substance to new governance practices. This entails the development of horizontal or distributed governance schemes that encourage collaboration with partners that may be affected by a research and innovation process. There is a need to open up different perspectives relating to dilemmas and irreducible uncertainty. This must take place via broad-based involvement, not only on the part of researchers from different disciplines, but also bringing on board policy actors, including research councils, trade and industry, interest organisations and society at large. The RRI approach is a learning process with no fixed answers ("beyond rules and regulations").

The RRI Poster

Look forward!

Think through!

Invite along!

Work together!

