

JOINT CALL FOR PROPOSALS

Biotechnology for a sustainable bioeconomy

Deadline for submission of pre-proposals:
March 2, 2017, 13:00CET

Call Announcement

Update 1

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Summary:

This document announces the first international call in the field of biotechnology, within the framework of the ERA-NET-Cofund on Biotechnology (ERA CoBioTech). ERA CoBioTech builds on the successful work of three predecessor ERA-NETs under Framework Programme 7 (FP7): ERA-IB-2, ERASynBio and ERASysAPP. The main purpose of the call is to contribute to transforming the global economy from a dependence on fossil raw materials to a sustainable "bio-based economy". Joint projects must have a **minimum of three** and a **maximum of six participants** applying for funding from a **minimum of three different ERA CoBioTech partner countries**. The participation of one or more industrial partner(s) in the consortium is **strongly recommended**. The call consists of two stages:

- 1) Pre-proposals have to be submitted until **March 2, 2017 (13:00 CET)**,
- 2) The deadline for submission of full proposals is **July 20, 2017 (13:00 CEST)**.

Projects should start between the December 2017 and May 2018, depending on grant negotiations with the relevant national funding organisation(s). A harmonised start date of all partners in a consortium is expected and desirable.

Table 1 Call timeline

October 19, 2016	Call Pre-Announcement
December 1, 2016	Official Call Announcement
March 2, 2017 (13:00 CET)	Deadline for submitting pre-proposals
Second half of May 2017	Letters to applicants / invitation to submit a full proposal
July 20, 2017 (13:00 CEST)	Deadline for submitting full proposals (only for projects that passed the pre-proposal phase)
Mid of October 2017	Communication of the evaluation outcome to the applicants and start of grant negotiations
December 2017 - May 2018 at the latest, depending on the progress of grant negotiations	Start of funded projects

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ERA CoBioTech webpage: <http://www.cobiotech.eu/>

Background

ERA CoBioTech brings together owners and managers of national and regional R&D&I programmes of Member States, associate and third countries with significant experience in research funding and coordination.

This call aims to attract proposals focused on biotechnology as a key enabling technology (KET), in the context of the bio-based economy and to tackle 21st century societal challenges such as decarbonisation of the economy and reduction of the reliance on fossil feedstocks. To achieve this, funding provided by national and regional programmes of Member States and other countries will be combined with the European Commission's to launch this joint call for multilateral research projects addressing "Biotechnology for a sustainable bioeconomy".

ERA CoBioTech aims to connect research partners with different but complementary scientific and technological expertise to maximise resources and share risks, costs and skills. A prerequisite for support of transnational projects via this call is the inclusion of different parts of the value chain. As appropriate, this will enable the newly developed products, technologies or services to reach the market efficiently. The partnership between industrial and academic researchers in the fields of biotechnology will improve and accelerate technology transfer and it will also strengthen European efforts to achieve sustainable industrial development.

The following funding organisations will be participating in this joint call for multilateral research projects:

- Projektträger Jülich GmbH (JUELICH), Germany
- Fachagentur Nachwachsende Rohstoffe e.V. (FNR), Germany
- Ministrstvo za izobraževanje, znanost in sport (MIZS), Slovenia
- Ministerio de Economía y Competitividad (MINECO), Spain
- Sächsisches Staatsministerium für Wissenschaft und Kunst (SMWK), Germany
- Biotechnology and Biological Sciences Research Council (BBSRC), United Kingdom
- Ministerio de Ciencia, Tecnología e Innovación Productiva (MINCYT), Argentina
- Service Public de Wallonie (SPW-DGo6), Belgium
- Agence Nationale de la Recherche (ANR), France
- Ministry of Health (CSO-MOH), Israel
- Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO), Netherlands
- Norges forskningsråd (RCN), Norway
- Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii (UEFISCDI), Romania
- Türkiye Bilimsel ve Teknolojik Araştırma Kurumu (TUBITAK), Turkey
- Valsts Izglitības Attīstības Agentūra (VIAA), Latvia
- Narodowe Centrum Badan i Rozwoju (NCBR), Poland
- Sihtasutus Eesti Teadusagentuur (ETAg), Estonia
- Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR), Italy
- Centro para el Desarrollo Tecnológico Industrial (CDTI), Spain
- Фонд содействия развитию малых форм предприятий в научно-технической сфере (Foundation for Assistance to Small Innovative Enterprises) (FASIE), Russia
- Commission for Technology and Innovation (CTI), Switzerland

Scope of the joint call

Aim of the joint call

The aim of the call is to contribute to **transforming the global economy from a dependence on fossil raw materials to a sustainable bio-based economy.**

The submitted proposals must be multidisciplinary and include **at least one** of the following scientific approaches:

- **Synthetic biology** for the design and construction of new biological parts, devices, and systems, or re-design of existing, natural biological systems for useful purposes by use of e.g. (but not limited to) orthogonal bio-systems, regulatory circuits, minimal genome approaches and protocells.
- **Systems biology** for optimisation of biological processes, including investigation of regulatory mechanisms in intra- and intercellular processes for bio-production, modelling, development of new computational methods and other new methodologies.
- **Use of bioinformatic tools** (e.g. data standardisation, modelling, open repositories) for the **identification and utilisation of metabolic pathways. Datasets can have different origins, e.g. appropriate datasets on genomics, phenomics, proteomics, metabolomics, transcriptomics etc.** Mapping and exploitation of cellular processes and metabolic capacities for bio-production and for strain/variety improvement are also included.
- **Biotechnological approaches (possibly in combination with chemical ones)** to transform bio-based building blocks into molecules with high added value in a sustainable way.

Project topic areas

→ ***Please carefully check the national/regional funding regulations (ANNEX 2) because some of these topics described below may not be suitable/eligible for all funding organisations.***

The co-funded call covers industrial biotechnology. Applications must address one of the topics described below:

- **Sustainable production and conversion of different types of feedstocks and bioresources** (including, but not limited to, waste and residues e.g. from households, agriculture, forestry, industrial by-products, alternative raw materials) **into value-added products** including new compounds e.g. for materials, chemicals, food/feed ingredients, flavours and fragrances, pharmaceuticals, biofuels, textiles or pulp/paper products.
- **New products, value-added products and supply services** (e.g. bio-based materials, platform chemicals, pharmaceuticals, biomedical products, functional food/feed ingredients etc.) originating from novel metabolic pathways or pathway improvement. This also includes bio-catalytic elements like enzymes, microorganisms and cell-free biosynthesis systems from natural or synthetic origins.
- **Sustainable industrial processes:** Upstream and downstream design, scale-up of biotechnological processes also including systems approaches to bioprocesses and process development; fermentation processes; usage of microbial consortia; intensification and/or integration in existing industrial processes; and development of innovative, environmentally sound industrial processes.

Further, projects are required to consider the following principles:

- The projects should fall within Technology Readiness Levels¹ (TRL) 3-6, although they are not necessarily required to cover the whole range. Industry engagement should be appropriate for the TRL range of the project.
- Projects are required to include a component investigating social aspects relevant to the project. This may include (but is not limited to) **Ethical, Legal and Social Aspects (ELSA)**, **Responsible Research and Innovation (RRI)** aspects, or eco-social aspects e.g. **Life Cycle Assessment (LCA)**.
- The ERA CoBioTech consortium is aiming to level up innovation performance of biotechnology research in the countries participating in this call, thus it encourages cooperation beyond the EU-15. In this line, the involvement of the ERA CoBioTech participants Argentina, Estonia, Israel, Latvia, Poland, Romania, Russia, Slovenia and Turkey in research consortia is highly desirable.
- All project partners should contribute to, and benefit from, an equitable and balanced cooperation.
- Results of collaborative projects must be shared within the research consortium through a controlled process that adequately protects and equitably allocates intellectual property rights used in, and generated during, joint research and development.
- Each **full proposal** must include a two page Dissemination and Communication plan, reaching out to the wider public. In collaboration with the H2020 knowledge transfer project CommBeBiz ERA CoBioTech will support all funded proposals in their efforts to communicate with a wider public, providing opportunities to learn through *webinars on preparing a Dissemination and Communication plan* in the full proposal preparation phase (dates will be announced on <https://www.submission-cobiotech.eu/>) and a *Work Shop on developing a communication toolbox* after the selected project's start. For more information see ANNEX 4: Dissemination and communication).
- Additionally each **full proposal** will include a plan on how higher levels of technological readiness will be achieved in the long term. The engagement of industry (if applicable, see Table 2) for achieving a higher TRL must be described (e.g. the provision of tools, trainings, etc.).
- Participation in this call will require high quality data management (DM) standards to ensure the overall sustainability of biotechnology research and its expected outcome(s). All applying consortia will be required to dedicate a section of their **full proposal** to their approach to DM within the project. Applicants are encouraged (but not obliged) to utilise the DM services offered through the central data management project FAIRDOM², and to participate in the voluntary Open Research Data Pilot in Horizon 2020. Webinars to support the consortia in developing and preparing a data management plan will be provided in the full proposal preparation phase (dates will be announced on <https://www.submission-cobiotech.eu/>). More information on data management requirements within this call is detailed in ANNEX 5: Data management.

¹ Technology Readiness Levels scale is a tool for assessing the maturity of technology for commercialisation. Horizon 2020 work programme 2016 –2017 makes use of the TRL scale to make decisions on which type of projects to be funded. The TRL scale definition used within H2020 and applied for this call can be found in [Annex 3](#) or under: http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016_2017/annexes/h2020-wp1617-annex-g-trl_en.pdf

² For additional information, please visit http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access_en.htm

Table 2 Summary of funding options and restrictions

Please also read and follow the „National or regional regulations and eligibility criteria“, as detailed in ANNEX 2.

The participation of an industrial partner is strongly recommended. Please note, that some, but not all, funding organisations require the involvement of an industrial partner in “their” national/regional share of a consortium (see table below).

Funding Organisation	Country	Indicative <i>total</i> national/regional funding (up to M€)	Research topics excluded from funding	Funding of: universities (HES), research organisations (REC), companies (PRC)	Maximum funding per project partner (M€)	Additional documents required	Funding of PhD students possible	Maximum project duration (years)	Any other national / regional restrictions
MINCyT	AR	0.5	none	yes	0.1	no	no	yes	See national eligibility criteria
SPW-DGo6	BE	1.0	none	yes	no restrictions	SPW-DGO6 online form (for full proposals only)	no	3	See national eligibility criteria
ETAg	EE	0.1		Funding all who are normally eligible to apply for ETAg’s grants	0.1	none	yes	3	See national eligibility criteria
ANR	FR	1.5	Standing alone synthetic and systemic biology based projects cannot be received as such. They have to be incorporated as tasks or WPs in projects dealing with the development of a process of bioproduction or industrial valorisation of biomass. Moreover, projects related to marine and medical biotechnologies are excluded from funding.	yes	0.25	none	yes	3	See national eligibility criteria

BMBF/ JUELICH	DE	9.0	Applications in bioenergy	yes	no restrictions	see national eligibility criteria	yes	3	See national eligibility criteria; consulting with the National Contact Persons (ANNEX 1) is strongly recommended
FNR	DE	2.0	Applications in food, feed, pharmaceutical production and red biotechnology	yes	The total requested funding of German partners in a consortium shall not exceed € 0.5 M	none	yes	3	see national eligibility criteria; consulting with the National Contact Persons (ANNEX 1) is strongly recommended
SMWK	DE	1.0	none	yes	no restrictions	see regional regulations	yes	3	see regional eligibility criteria; consulting with the Regional Contact Person (ANNEX 1) is strongly recommended
CSO-MOH	IL	0.2		No funding of industrial partners possible	0.1	Prior to submission, researchers will submit to CSO-MOH an abstract approved by their research authority including budget distribution. Thus no submission of abstract can result in declaration of the consortium as ineligible	yes	3	<ul style="list-style-type: none"> - CSO-MOH will only fund research of biomedical nature. Hence, prior consulting with the contact person is essential. - Non Biomedical applications will not be approved
MIUR	IT	0.4	none	yes	0.15	yes, (see national regulations)	yes	3	See national eligibility criteria
VIAA	LV	0.3	none	Following legal persons (as defined under Latvian law) are eligible for funding, except natural persons: » R&D institutions (research institutes, universities, higher education establishments, research centres etc.) that are listed in the Registry of Research Institutions operated by the Ministry of Education and Science of the Republic of Latvia.	0.21	none	yes	3	See national eligibility criteria

				» Private entities that are registered in the Registry of Enterprises of the Republic of Latvia and provide most of their R&D&I activities in the Republic of Latvia.					
NWO	NL	1.0	Only themes mentioned in the Call Announcement can be addressed.	Funding of Dutch universities and selected Dutch institutes. TO2 institutes and universities of applied sciences can also receive (part of) the grant applied for. See National Annex of NWO	0.25	none	no	3	See National Annex of NWO (ANNEX 2)
RCN	NO	1.5	none	yes	0.5 (Limit per project if more than one partner)	none	yes	As general guidelines	See national regulations and criteria
NCBR	PL	0.7	none	yes	0.2	See national regulations	no	3	See national regulations
UEFISCDI	RO	0.5	none	Eligible entities for funding are universities, public institutions, R&D national institutions, joint-stock companies, SME's and Large companies, NGOs (associations, foundations, etc.), others. Funding rates vary in accordance with state aid legislation. See http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html	0.20 / 0.25	none	yes	3	See national regulations http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html
FASIE	RU	1.0	none	Universities are not eligible for funding. The main applicant should be an SME (defines as such in accordance with Article 4 of Federal Law 209)	0.2 per project	Yes, all applicants must provide a national application	no	2	See national eligibility criteria
MIZS	SI	0.63	n/a	All (in accordance with national regulations and state aid rules)	0.21 per project (regardless of no. of Slovenian partners in the project)	National documentation to be sent only after the completion of transnational call	Yes (tuition costs are not eligible)	as in the COFUND call	See national regulations and criteria
CDTI	SP	0.53	none	Only industrial partners can be funded, universities and research institutions can take	No maximum funding per partner but there	National documents have to be submitted to CDTI. For additional information,	no	3	See national eligibility criteria

				part as subcontractors	is a minimum budget per partner of 0.175	please see National Annex (ANNEX 2).			
MINECO	SP	1.0		No funding of industrial partners possible	0.15	See national regulations	yes	3	See national eligibility criteria
CTI	CH	0.92 – 1.38 (exchange rate in Oct. 2016; equals 1.0-1.5 CHF)	none	Only Universities and Research Organisations allowed for contributions according separate list	no restrictions	See national regulations	yes	3	See national regulations and criteria https://www.kti.admin.ch/kti/en/home/unsere-foerderangebote/Unternehmen/f-e-projekte.html
TUBITAK	TR	1.0	none	Only industrial partners can be funded, universities and research institutions can take part as subcontractors	no restrictions	will be announced in the national call text	no	max the international project's duration	See national/regional requirements
BBSRC	UK	2.21 (exchange rate in Oct. 2016; equals £2M) The BBSRC contribution is capped at £2M.	UK aspects of projects must be within the remit of BBSRC; http://www.bbsrc.ac.uk/research/science-remit.aspx . Food, animal feed and medical applications are excluded (pharmaceutical precursors, antibiotics and recombinant biologics are acceptable)	Only Higher Education Institutions (HEIs), Research Council Institutes (RCIs) and selected Independent Research Organisations (IRO) which are normally eligible to apply for BBSRC grants. No funding of industrial partners possible.	no restrictions	UK applicants invited to prepare a full proposal will also be asked to complete a BBSRC proforma to ensure their proposal complies with the requirements of full economic costs.	no	3	See BBSRC grants guide (http://www.bbsrc.ac.uk/web/FILES/Guidelines/grantsguide.pdf)

Eligibility

Only proposals, which meet all eligibility criteria will be considered for evaluation. National or regional eligibility criteria are given in ANNEX 2 *National or regional regulations and eligibility criteria*. In addition, all proposals must meet the following eligibility criteria:

General eligibility criteria

- Projects must address the scope of the call as outlined in section 2. Pre-proposals not addressing the scope of the call will be rejected. Additionally, applications should fit to the specific remit of the national/regional funding organisations (see ANNEX 2); it is strongly recommended, that applicants contact their National/Regional Contact Persons (see ANNEX 1) before submission.
- Pre-proposals and full proposals must be written in English and pre-proposals must be submitted by **March 2, 2017 (13:00 CET)** via the ERA CoBioTech submission website (<https://www.submission-cobiotech.eu/>).
- If national/regional forms are required, these must be submitted directly to the national/regional agency (see ANNEX 2, National or regional regulations and eligibility criteria) by the deadlines stated in ANNEX 2.
- The project duration must not exceed 3 years.
- If a proposal does not meet the minimum number of partners, exceeds the maximum number of partners, or if one of the partners is ineligible, it will be rejected before the evaluation phase.
- Project outputs are expected to provide benefits to all partner countries. Consortia need to be balanced between countries both in terms of number of partners and distribution of budget; such that all project partners contribute to and benefit from an equitable and balanced cooperation.
- If applicable, the requested funding budget of each partner must not exceed national or regional funding limits (for details, see "table 2 Summary of funding options and restrictions" and "National or regional regulations and eligibility criteria", (ANNEX 2).

Eligible funding recipients / consortium partners

- Funding is provided according to the "nationality principle", meaning that each participating national/regional funding agency funds their respective national/regional researchers in a particular project consortium. Funding is subject to national/regional eligibility regulations (see ANNEX 2) and project partners should check their eligibility for funding prior to submission.
- Consortia must include at least three partners requesting funding from three different ERA CoBioTech member countries who contribute funds to the call. Consortia can involve a **maximum of six partners, unless partners from Argentina, Estonia, Israel, Latvia, Poland, Romania, Russia, Slovenia and Turkey** are part of the consortium, then the **allowed maximum number of partners is eight**. No more than **two eligible partners** may come from the **same country**.
- Partners from countries not participating in the call may participate in a project at their own expense, if their contribution is important to achieve the project goals. The coordinator should take steps to ensure that sufficient funds are secured from these additional partners, and evidence of the availability of funds should be provided prior to project submission (letter of support/commitment). The same applies for partners who are not eligible for national/regional funding from the agencies participating in the call. **Partners participating at their own expense count towards the maximum number of partners but not to the minimum number of participants**.
- The coordinator of any applying consortium must be from an organisation that is eligible for funding from one of the agencies participating in the call, i.e. an organisation that plans to participate at their own expense, without public funding provided via the ERA CoBioTech joint call, cannot act as coordinator.















- The participation of at least one industrial partner in the consortium is strongly recommended. Large companies, small and medium-size enterprises (SMEs) and academic research groups / organisations may be part of a consortium, although some funders may not be able to fund industrial partners (see ANNEX 2). Subcontractors can be included and are managed under the national or regional financing regulations of the eligible participant (see ANNEX 2).








Within a joint proposal, each group leader (for each partner organisation) will be the contact person for the relevant national or regional funding agency. All research groups agree to abide by the rules and agreements of the ERA CoBioTech call.

Financial modalities and funding prerequisites

The total budget available for this call is ~€36.1 M (Table 3). Funding is granted according to national or regional regulations (see ANNEX 2 for details).

Table 3 Available funding

Country/Region	Funding Organisation	Available Funding (up to €M)
Argentina	 Ministerio de Ciencia, Tecnología e Innovación Productiva (MINCyT)	0.50
Belgium-Wallonia	 Service Public de Wallonie (SPW-DGo6)	1.00
Switzerland	 Commission for Technology and Innovation (CTI)	0,92-1.38*
Estonia	 Sihtasutus Eesti Teadusagentuur (ETAg)	0.10
France	 Agence Nationale de la Recherche (ANR)	1.50
Germany/Saxony	 Federal Ministry of Education and Research (BMBF) via Forschungszentrum Jülich GmbH (JUELICH)	9.00
	 Federal Ministry of Food and Agriculture (BMEL) via Fachagentur Nachwachsende Rohstoffe e.V. (FNR)	2.00
	 Sächsisches Staatsministerium für Wissenschaft und Kunst (SMWK)	1.00
Israel	 Chief Scientist Office, Ministry of Health (CSO-MOH)	0.20
Italy	 Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)	0.40
Latvia	 Valsts Izglitības Attīstības Aģentūra (VIAA)	0.30
Netherlands	 Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)	1.00
Norway	 Norges forskningsråd (RCN)	1.50
Poland	 Narodowe Centrum Badan i Rozwoju (NCBR)	0.70

Romania		Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii (UEFISCDI)	0.50
Russia		Фонд содействия развитию малых форм предприятий в научно-технической сфере (Foundation for Assistance to Small Innovative Enterprises) (FASIE)	1.00
Slovenia		Ministrstvo za izobrazevanje, znanost in sport (MIZS)	0.63
Spain		Ministerio de Economia y Competitividad (MINECO)	1.00
		Centro para el Desarrollo Tecnológico Industrial (CDTI)	0.53
Turkey		Türkiye Bilimsel ve Teknolojik Araştırma Kurumu (TUBITAK)	1.00
United Kingdom		Biotechnology and Biological Sciences Research Council (BBSRC)	2.21**
Sum national contributions			27.45
EC		EU-Top Up funding [§]	8.68
Total Call Volume			36.13
<p><i>*The CTI indicative budget for this call is 1.0 -1.5 M CHF, thus the amount in € depends on the current exchange rate.</i></p> <p><i>**The BBSRC contribution is capped at £2M. The euro figure is dependent on the actual exchange rate.</i></p>			

Application procedure

The application process is two-phased (pre- and full proposal phase). Throughout the whole process, the ERA CoBioTech Call Office (ptj-cobiotech@fz-juelich.de) is the central communication point for all applicants.

First, a pre-proposal must be submitted electronically via the ERA CoBioTech submission website (<http://www.submission-cobiotech.eu/>). Only the coordinators of pre-proposals, which passed the first evaluation step will then be invited to submit a full proposal. Only full proposals submitted by consortia explicitly invited by the Call Office will be accepted. The basic project data, such as project title, project acronym, project area, project duration, consortium composition, project coordinator, TRL, total requested funding, requested funding by each partner etc., provided in the pre-proposal cannot be changed in the full proposal phase.

Evaluation procedure

Pre-proposal evaluation

The deadline for submitting pre-proposals is **March 2, 2017 (13:00 CET)**.

Pre-proposals that are submitted correctly and within the deadline will be checked for eligibility. The eligibility check will focus on the **"General Eligibility Criteria (see page 11)"** and **"National or regional regulations, national or regional eligibility criteria (see ANNEX 2: National or regional regulations, National or regional eligibility criteria)"**. Non-eligible pre-proposals will result in rejection of the entire project.

Eligible pre-proposals will be peer-review evaluated and ranked by an international panel of experts according to the following criteria:

- **Relevance** of the project to the scientific scope of the co-funded call
 - Does the proposed work use one of the expected scientific tools?
 1. Synthetic biology approaches
 2. Systems biology approaches
 3. Use of bioinformatic tools for the identification and utilisation of metabolic pathways from genomic datasets
 4. Biotechnological approaches (possibly in combination with chemical approaches)
 - Does the proposed work address the call-specific research topics?
 - Sustainable production and conversion of different types of feedstocks and bioresources into value-added products
 - New products, value-added products and supply services
 - Sustainable industrial processes
 - Does the project fall in the required TRL range of 3-6?

- **Excellence**
 - Clarity and pertinence of the objectives
 - Soundness of the concept
 - Credibility of the proposed methodology
 - Quality and expertise of the consortium as a whole

- **Impact**

Extent to which the outputs of the project will contribute to impacts on:

 - Economic aspects by describing an envisioned plan to achieve a higher TRL of the processes and technologies developed during the project
 - Contribution, technological, innovation and exploitation capabilities of industrial partners
 - Environmental aspects to transform the global economy into a sustainable bio-based economy
 - Social aspects such as Ethical, Legal and Social Aspects (ELSA) or Responsible Research and Innovation (RRI)
 - Eco-social aspects, e.g. Life Cycle Assessment (LCA)

Each reviewer/expert will be independent of any funding organisation involved in this call. The ERA CoBioTech Call Office will ensure that no Conflict of Interest exists concerning the experts and the proposals evaluated. Each pre-proposal will be reviewed by up to three reviewers/experts.

Following this, the ERA CoBioTech Call Steering Committee (composed by representatives of all ERA CoBioTech funding organisations) will select proposals for the second application step based on the ranking proposed by an international panel of external reviewers. Applicants are informed that while

performing this selection, the ERA CoBioTech Call Steering Committee will ensure that the **oversubscription factor³ of each funding organisation is not higher than 3.**

Full proposal evaluation

The deadline for submitting full proposals is **July 20, 2017 (13:00 CEST)**. Full proposals that are submitted correctly and within the deadline will be peer-review evaluated by an international panel of experts with relevant expertise in the scientific fields concerned. Each expert is independent of any funding organisation involved in this call and no Conflict of Interest will exist in relation to the proposal evaluated. Each proposal will be reviewed by at least three external reviewers/experts. The composition of the international evaluation panel is decided by the ERA CoBioTech Call Steering Committee.

Full proposals will be evaluated according to the evaluation criteria given below:

● Excellence

- Clarity and pertinence of the objectives
- Soundness of the concept
- Credibility of the proposed methodology
- Quality and expertise of the consortium as a whole

● Impact

Extent to which the outputs of the project will contribute to impacts on:

- Economic aspects by describing an envisioned plan to achieve a higher TRL of the processes and technologies
- Contribution, technological, innovation and exploitation capabilities of industrial partners
- Environmental aspects to transform the global economy into a sustainable bio-based economy
- Sustainability of biotechnology research and its outcomes supported by a data management (DM) plan
- An efficient Dissemination and Communication plan addressing also communication with the general public
- Social aspects such as Ethical, Legal and Social Aspects (ELSA) or Responsible Research and Innovation (RRI)
- Eco-social aspects, e.g. Life Cycle Assessment (LCA)

● Quality and efficiency of the implementation

- 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.

³ Oversubscription factor: the ratio between the total requested funds from all the applicants from a given country or region, and the amount available for the corresponding funding agency in that call (see [Table 3](#)).

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 (half scores are 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.*

The **threshold mark** for individual criteria will be **3**. The overall **threshold mark**, applying to the sum of the three individual scores, will be **10**.

At the end of the evaluation process, the evaluators will decide on one final ranking list of proposals. Based on the ranking list and the available funding, the ERA CoBioTech Call Steering Committee will decide which projects will be funded according to national and/or regional budget availability.

The coordinators of the research consortia will be simultaneously informed about funding decisions. Evaluation summaries and scores will be provided. The coordinators of the research consortia are responsible for forwarding all information to their research consortium partners.

Forms, guidelines and further information

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-cobiotech.eu. As the countries may have additional national or regional requirements, it is strongly recommended that applicants contact the national or regional funding bodies prior to submission of the pre-proposal for further information. For technical questions related to the electronic submission of your proposal, please contact the ERA CoBioTech Call Office (ptj-cobiotech@fz-juelich.de).

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 of the project start, addressing the points given in the *Consortium agreement guidelines* (available on <https://www.submission-cobiotech.eu/>). On request, the CA must be made available to the national or regional funding organisations, together with any other information required by national or regional regulations.

Project monitoring and reporting

Project objectives must be reached within a maximum of three years.






Project coordinators are required to provide a mid-term and a final report as well as a non-confidential summary of the outcomes of their project for publication via the website (www.cobiotech.eu) and the ERA CoBioTech newsletter. Hereby, ERA CoBioTech wants to reach out to the wider research community and interested public, therefore a summary of research results is needed that can be understood by a

broader audience. ERA CoBioTech will provide a template for this summary on the submission website. Each funding body may require additional reporting or monitoring of the projects.




In addition, a kick-off (including a communication workshop), midterm and final seminar in which project coordinators will present their projects, will be organised (Status Seminars). The costs for attending the Status Seminars should be covered by the requested project budget. The objective of the status seminars is the monitoring of the projects funded through ERA CoBioTech as well as providing for networking and future collaboration opportunities for a broader community, i.e. the members of the “European Biotech Hub” to be established under ERA CoBioTech.

At the beginning of the co-funded projects, researchers will be provided with training on communication for impact through a hands-on workshop and will later on have a chance to practice and further develop their communication skills at status seminars, with the ultimate goal of demonstrating the knowledge acquired in the final ERA CoBioTech event. A communication toolbox will be developed for researchers to guide and support the co-funded projects in planning and execution of communication and public outreach activities and in the effective measurement of their project’s impact (see ANNEX 4: Dissemination and communication for further details).

ANNEX 1: National or regional contact persons

Country		Funding Organisation	National Contact Person (NCP)
Argentina		MINCYT	<p>Mónica Silenzi Tel.: +541148995000 ext 4084 E-mail: msilenzi@mincyt.gob.ar</p> <p>Agustina Velo Tel.: +541148995000 ext 4150 E-mail: avelo@mincyt.gob.ar</p>
Belgium-Wallonia		SPW-DGO6	<p>Mr. Nicolas Delsaux SPW-DGO6 Tel.: +32-81-334-520 Mobile: +32-473-556-174 E-mail: nicolas.delsaux@spw.wallonie.be</p>
Estonia		ETAg	<p>Margit Suuroja Tel.: +372-731-7361 E-mail: margit.suuroja@etag.ee</p> <p>Dr. Aare Ignat Tel.: +372-731-7364 E-mail: aare.ignat@etag.ee</p>
France		ANR	<p>Dr. Elise Cahard Agence Nationale de la Recherche Tel.: +33-1-73-54-82-68 E-mail: elise.cahard@anr.fr</p> <p>Dr. Liz Pons Agence Nationale de la Recherche Tel.: +33-1-78-09-80-49 E-mail: liz.pons@anr.fr</p>
Germany		BMBF/JUELICH	<p>Dr. Petra E. Schulte Tel.: +49 2461 61-9031 E-mail: petra.schulte@fz-juelich.de</p> <p>Dr. Christian Breuer Tel.: +49 2461 61-96929 E-mail: c.breuer@fz-juelich.de</p> <p>Projekträger Jülich / Projectmanagement Jülich Geschäftsbereich Bioökonomie / Division Bioeconomy PtJ BIO 7: Europäische Initiativen und Internationales / European Initiatives and International Affairs Forschungszentrum Jülich GmbH D-52425 Jülich Fax: +49 2461 61-1790</p>
Germany		BMEL/FNR	<p>Tina Hausmann Fachagentur Nachwachsende Rohstoffe e.V. Tel.: +49-3843-6930-172 E-mail: t.hausmann@fnr.de</p>
Germany/ Saxony	 	SMWK	<p>Gabriele Süptitz Sächsisches Staatsministerium für Wissenschaft und Kunst (SMWK) Tel.: +49-351-564-6422 E-mail: gabriele.sueptitz@smwk.sachsen.de cobiotech@smwk.sachsen.de</p>

Israel		CSO-MOH	Dr. Ronit Meyuhas Chief Scientists Office, Ministry of Health Tel.: +972-2-508-2159 E-mail: ronit.meyuhas@moh.gov.il
Italy		MIUR	Aldo Covello Tel: +39 0658496465 E-mail: aldo.covello@miur.it Giorgio Carpino Tel: +39 0658497147 E-mail: giorgio.carpino@miur.it
Latvia		VIAA	Linda Kluga-Rajcevic Valsts izglitibas attistibas agentura (VIAA) Tel.: +371 67559495 E-mail: linda.kluga-rajcevic@viaa.gov.lv
Netherlands		NWO	Ms. Susan Licumahua Tel.: +31 70 344 0615 E-Mail: s.licumahua@nwo.nl Mr. Mark Schmets Tel.: +31 70 344 0537 E-Mail: m.schmets@nwo.nl
Norway		RCN	Dr. Øystein Rønning Research Council of Norway, Innovation division Tel.: +4791623960 E-Mail: oro@rcn.no
Poland		NCBR	Malgorzata Zieminska Narodowe Centrum Badan i Rozwoju (NCBR) E-mail: malgorzata.zieminska@ncbr.gov.pl Tel: +48 22 39 07 493
Romania		UEFISCDI	Adrian Asanica Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii (UEFISCDI) Tel: +40744.45.00.11 E-mail: adrian.asanica@uefiscdi.ro
Russia		FASIE	Mrs Olga Levchenko Tel.: +74952313851 E-Mail: levchenko@fasie.ru
Slovenia		MIZS	Ms. Kim Turk Tel.: +386(1)4784705 E-Mail: kim.turk@gov.si
Spain		CDTI	Pilar de Miguel Tel: +34 915815502 E-mail: mariapilar.demiguel@cdti.es Julian Díaz Tel: +34 915815505 E-mail: julian.diaz@cdti.es
Spain		MINECO	Ana Barra Project Manager Tel: +34 91 603 83 98 E-mail: era-ib@mineco.es Auxiliadora Prieto Scientific Advisor E-mail: era-ib@mineco.es

Switzerland		CTI	Alain Dietrich Tel: +41 58 464 92 87 E-mail: alain.dietrich@kti.admin.ch
Turkey		TUBITAK	Dilek Sahin Scientific Programs Expert / Technology and Innovation Funding Board Tel: +90-312-468-53-00 E-mail: dilek.sahin@tubitak.gov.tr
United Kingdom		BBSRC	Dr Anja Berndt E-mail: cobiotech@bbsrc.ac.uk

ANNEX 2: National or regional regulations and eligibility criteria

Argentina - MINCYT



Participating organisation: Ministry of Science, Technology and Productive Innovation (MINCYT)

Indicative Budget: 0.5 M€

National Contact Person(s):

Name: Monica Silenzi / Agustina Velo
Tel.: 005411 4899-5000 (int. 4150)
E-Mail: msilenzi@mincyt.gob.ar / avelo@mincyt.gob.ar

Who can apply?

- Universities
- R&D national institutions
- Small and Medium Enterprises

What types of costs are eligible for funding?

Direct Costs

- Mobility (travel + accommodation)
- Short-term exchange visits
- Meeting, workshops and events organization
- Publication, dissemination
- Consumables
- Small equipment (up to 15.000 euros)

Indirect Costs

- Only administration

Note: personnel cost and subcontract cost will not be covered

Upper funding limits for eligible costs?

Up to 100.000 euros per project to cover argentine participation (if there is more than one Argentinian institution participating on the proposal, the total amount of 100.000 euros should be divided)

Additional national eligibility criteria

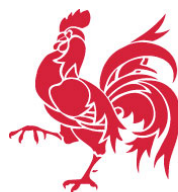
Belgium – SPW

Participating organisation: SPW-DGO6

Indicative Budget: 1.0 M€

National Contact Person(s):

Name: Nicolas Delsaux
Tel.: +32 81 334 520; Mobile: + 32 473 556 174
E-Mail: nicolas.delsaux@spw.wallonie.be



Wallonie



Service public
de Wallonie

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

<https://recherche-technologie.wallonie.be/fr/menu/acteurs-institutionnels/service-public-de-wallonie-services-en-charge-de-la-recherche-et-des-technologies/departement-des-programmes-de-recherche/direction-des-programmes-federaux-et-internationaux/era-nets/les-era-nets.html>

Min. project duration: 12 months

Max. project duration: 36 months

Maximum funding per project: none

Institutional eligibility criteria:

- SMEs, large industries, research centres and Universities are eligible.
- 40% of the Walloon budget must be allocated to an enterprise;
 - The project cannot receive double funding;
 - The budget for the Walloon partners should follow the SPW-DGO6 cost model;
 - The funding rate will be the maximum allowed by the decree of the 3rd of July 2008;
 - The beneficiary must have a stable financial situation;
 - The beneficiary must have Operational offices in the Walloon Region;
 - The project must add benefit to the regional economy;
 - All information needed for evaluation should be available;
 - A Walloon complementary funding request's form must be submitted to the SPW-DGO6.

Institutional thematic priorities: none

Proposals with the following focus cannot be funded: none

Additional information:

Funding will be made by the use of loans (Experimental development, in priority) or grants (Industrial research).
A Walloon complementary funding request's form must be submitted online to the SPW-DGO6.

Estonia – ETAG

Participating organisation: Eesti Teadusagentuur / Estonian Research Council

Indicative Budget: 0.1 M€

National Contact Person(s): Margit Suuroja
Tel.+372-731-7361
E-Mail: margit.suuroja@etag.ee
Dr. Aare Ignat
Tel.:+372-731-7364
E-mail: aare.ignat@etag.ee

National Eligibility Criteria of research project proposal in international calls

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

A grant or research support is the allocation of funds by the Council for a specified purpose to carry out research work and the grant shall be awarded within an open competition.

1. Participants in the grant project

- 1.1. Principal Investigator is the applicant of the grant, to whom the grant has been allocated within an open competition and who shall be responsible for the use of the grant for specified purpose and for the productive realisation of the grant project. The Council shall enter into a **grant agreement with the Principal Investigator**.
- 1.2. The Principal Investigator
 - 1.2.1. Must possess either the Estonian nationality or citizenship or be a permanent resident of Estonia.
 - 1.2.2. Has an updated profile in the Estonian Research Information System (ETIS).
 - 1.2.3. Has as a rule entered into an employment relationship with the legal person (hereinafter Institution), which is the basis of the realisation of the grant project and through which the grant shall be allocated to the Principal Investigator.
 - 1.2.4. Must be a holder of the doctoral degree of Estonia or an equivalent academic degree (both awarded by the deadline of submission of the grant application, at the latest).
 - 1.2.5. Must have published within the last five years prior to the proposal's submission deadline at least three publications, which comply with the requirements of clauses 1.1 of the classification of publications of the ETIS, or at least five publications, which comply with the requirements of clauses 1.1, 1.2, 2.1 and 3.1 of the classification of publications of the ETIS; international patents are equalised with publications of clause 1.1.; the monographs are equalised to each author with three publications mentioned in clause 1.1 if the number of its authors is three or less. If the applicant has been on the parental leave or in the compulsory military service within these last five years, the deadline of the publication requirement shall be extended by the time stayed on the parental leave or compulsory military service
- 1.3. **The main participant of the project** is a person who participates in the substantial performance of the project. The main participant of the project shall either possess at least the master's degree or the respective qualification and must have published at least one publication within the last three years prior to the proposal's submission deadline, which comply with the requirements of clauses 1.1, 1.2, 2.1 or 3.1 of the classification of publications of the ETIS; or be a doctoral candidate.

2. Budget

- 2.1. A budget of proposal shall consist of the research expenses and the overhead costs of the institution, through which the grant project is to be carried out.
- 2.2. The research expenses consist of personnel costs (incl. scholarships), travel costs, other direct costs and subcontracting costs. The expenses on research are clearly required to carry out the project and respectively identifiable.
- 2.3. **Remuneration** may be only paid out of the grant to the Principal Investigator, main participants in the project and auxiliary staff according to the time they participate in the grant project and their total salary cost for Institution.⁴ Double funding of activities already have contributions is not acceptable.
- 2.4. **Scholarship** equal to the state grant may be paid out of the grant to doctoral candidates not paid any salary by Institution. The scholarship for a doctoral candidate may not exceed 422 euros a month. The

⁴ comprising basic monthly salary plus social security charges and other statutory costs

scholarship of the doctoral candidate along with the State education allowance may not exceed 622 euros a month. Should a doctoral candidate participate in several projects financed by the Council, the total amount of the scholarship received from different projects may not exceed the aforementioned amount. It means that maximum of the scholarships per doctoral candidate is annually 5064 euros.

- 2.5. **Travel costs** cover expenses for transport, accommodation and daily allowances (except in case of internal travel).
 - 2.6. Subcontracting costs cover generally only additional or complementary tasks (e.g. costs for translation, analyses, etc.) to the third parties. Core project research tasks should not be subcontracted. Subcontracting costs may not exceed 10% of the total costs.
 - 2.7. Other direct costs are:
 - 2.7.1. Consumables related to the project
 - 2.7.2. Costs for publishing and dissemination of project results (fair distribution of costs between partner should be followed);
 - 2.7.3. Costs for organising the meetings/seminars/conferences (only in Estonia)
 - 2.7.4. Fees for participating in scientific forums and conferences;
 - 2.7.5. All other costs which are clearly required for the implementation of the project and respectively identifiable.
 - 2.8. Overhead costs of the institution must not exceed a maximum of 20% of eligible direct costs and should be cover general expenses of the institution.
 - 2.9. Costs for equipment and services intended for public use (copying machine or printer publicly used, phone bills, copying service, etc. shall be covered from the overhead fee.
 - 2.10. Participants' personal expenses or expenses not directly related to the project are not eligible.
- 3. Human research or animal tests**
- 3.1. If a human research or animal tests are intended in the research project, the positive resolution of the Ethics Review Committee or Animal Testing Project Permits Committee with respect to the performance of the project addressed to the Council shall be submitted before the funding decision is made.

MODALITÉS DE PARTICIPATION POUR LES PARTICIPANTS FRANÇAIS

France - ANR

IMPORTANT:

1. Le présent document énonce les modalités de participation des partenaires français à l'appel à projets ERA CoBioTech.
2. Les modalités de participation et recommandations importantes présentées dans ce document s'ajoutent aux dispositions figurant dans le texte de l'appel :
<https://www.cobiotech.eu/>
3. Il est nécessaire de lire attentivement le texte de l'appel à projets, l'ensemble du présent document ainsi que le règlement relatif aux modalités d'attribution des aides de l'ANR (<http://www.agence-nationale-recherche.fr/RF>) avant de déposer une proposition de projet de recherche.

Date de clôture

Etape 1: 02/03/2017, 13 h 00 (CET)

Etape 2: 20/07/2017, 13 h 00 (CEST)

Points de contact à l'ANR

Chargée de mission scientifique ANR

Elise CAHARD
+33 1 73 54 82 68
elise.cahard@anr.fr

Coordinatrice scientifique ANR

Liz PONS
+33 1 78 09 80 49
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Responsable scientifique ANR

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1. CONTEXTE ET OBJECTIFS DE LA COLLABORATION

En lien avec les différents défis sociétaux, l'ANR a développé des partenariats multilatéraux avec ses homologues européens dans le cadre des actions européennes de type ERA-NET, ERA-NET COFUND ou initiatives de programmation conjointe (JPI). Ces actions sont complémentaires aux projets collaboratifs classiques des programmes cadres. Dans cette perspective, l'accent est mis sur un raisonnement pluriannuel de priorisation des activités européennes et d'articulation des outils nationaux et européens.

Afin de simplifier et de fluidifier les modalités de collaboration, et de contribuer à la construction de l'Espace européen de la recherche (EER), l'ANR a décidé de s'engager au sein de l'ERA-NET COFUND ERA CoBioTech.

L'objectif est de contribuer au financement des projets européens et internationaux, démontrant un haut niveau d'excellence scientifique, en soutenant la participation des équipes nationales.

Le présent appel à projets vise à relever les défis dans le contexte des technologies clés génériques (ou KET, Key Enabling Technologies) dans le domaine de la biotechnologie et de la bioéconomie et à relever les défis de la société du XXI^e siècle, tels que la décarbonisation de l'économie et la réduction de la dépendance aux matières premières fossiles. Pour y parvenir, le financement fourni par les programmes nationaux et régionaux des États membres et d'autres pays sera combiné avec les efforts de la Commission européenne dans l'appel cofinancé pour les projets de recherche multilatéraux portant sur « la biotechnologie pour une bioéconomie durable ».

Le but de ERA CoBioTech est de créer des liens entre partenaires de recherche ayant une expertise scientifique et technologique différente mais complémentaire afin de maximiser les ressources et de partager les risques, les coûts et les compétences. Une condition préalable pour que les projets transnationaux soient pris en charge par l'intermédiaire de cet appel est l'inclusion des différentes parties de la chaîne de valeur, pour faciliter la mise sur le marché des produits, technologies ou services nouvellement développés. Le partenariat entre les chercheurs industriels et universitaires dans les domaines de la biotechnologie permettra d'améliorer et d'accélérer le transfert de technologie, et de renforcer les efforts européens pour parvenir à un développement industriel durable.

2. PÉRIMÈTRE DE L'APPEL CONJOINT

2.1 OBJECTIF DE L'APPEL CONJOINT

L'objectif de l'appel est de contribuer à la transformation de l'économie mondiale en passant de la dépendance aux matières premières fossiles à une économie durable basée sur les biotechnologies.

Les propositions soumises

doivent être multidisciplinaires et inclure au moins l'une des approches scientifiques suivantes:

- Biologie synthétique
- Biologie systémique
- Utilisation d'outils bio-informatiques pour l'identification et l'utilisation des voies métaboliques obtenues à partir de bases de données génomiques
- Toute approche biotechnologique (éventuellement en combinaison avec des approches chimiques) appropriée
- **Critère d'éligibilité propre à l'ANR : Les projets uniquement basés sur la biologie synthétique ou systémique ne peuvent pas être reçus en tant que tels. Ils doivent être incorporés sous forme de tâches ou de WPs dans des projets consacrés au développement d'un processus de bioproduction ou de valorisation industrielle de la biomasse.**

2.2 DOMAINES DU PROJET

L'appel cofinancé couvre la biotechnologie industrielle, mais l'application doit aborder l'un des domaines décrits ci-dessous :

- I. Production et transformation durable de différentes matières premières et ressources biologiques en produits à valeur ajoutée.
- II. Nouveaux produits, produits à valeur ajoutée et produits d'approvisionnement
- III. Procédés industriels durables

3. MODALITÉS DE SOUMISSION

Dans le cadre de cet appel les projets seront soumis en deux étapes.

Les pré-propositions et les propositions de projet, rédigées en langue anglaise, devront être déposées par le coordinateur, sur le site de soumission de l'ERA-NET COFUND ERA CoBioTech, en respectant le format et les modalités demandés, disponibles sur le site : <https://www.submission-cobiotech.eu/>

Durant tout le processus, le secrétariat de l'appel (ptj-cobiotech@fz-juelich.de) est le point de contact pour tout candidat.

La date limite de dépôt des dossiers de pré-propositions (étape 1) sur le site de soumission est fixée au **02 Mars 2017 à 13 h (CET)**.

La date limite de dépôt des dossiers de propositions (étape 2) sur le site de soumission est fixée au **20 Juillet 2017 à 13 h (CEST)**.

4. ELIGIBILITÉ

Pour être éligibles, les pré-propositions et les propositions doivent respecter les critères décrits ci-après, qui sont cumulatifs.

Critères d'éligibilité propres à l'ANR:

- **Caractère complet**
La pré-proposition doit être déposée sur le site de soumission à la date de clôture de soumission des pré-propositions. Aucun document n'est admis après cette date.

La proposition doit être déposée sur le site de soumission à la date de clôture de soumission des propositions. Aucun document n'est admis après cette date.
- **Thèmes de collaboration scientifique**
Une pré-proposition ou une proposition doit correspondre à un thème de collaboration scientifique tel que précisé dans l'appel dont le lien est en page 1. **Les projets uniquement basés sur la biologie synthétique ou systémique ne peuvent pas être reçus en tant que tels. Ils doivent être incorporés sous forme de tâches ou de WPs dans des projets consacrés au développement d'un processus de bioproduction ou de valorisation industrielle de la biomasse.**
- **Caractère unique**
Une pré-proposition ou une proposition ne doit pas être semblable en tout ou partie à une autre pré-proposition ou proposition soumise ou ayant donné lieu à un financement de l'ANR.

Le caractère semblable est établi lorsque les pré-propositions ou les propositions en cause (dans leur globalité ou en partie) décrivent des objectifs principaux identiques, ou résultent d'une simple adaptation, ET impliquent des équipes majoritairement identiques.

Critères d'éligibilité qui s'appliquent dans le cadre de l'appel émanant de l'ERA-NET COFUND ERA CoBioTech:

- Les projets doivent se situer dans les domaines de la Biotechnologie industrielle, la Biologie synthétique, la Biologie systémique et les applications Chimiques/biotechnologiques et couvrir tout le périmètre de l'appel, tel que définie dans section 2. Les pré-propositions ne couvrant pas le périmètre de l'appel seront rejetées avant la phase d'évaluation.

- Les consortiums doivent inclure au moins trois partenaires qui demandent un financement de trois pays membres de ERA CoBioTech différents contribuant au financement de l'appel. Les consortiums peuvent impliquer un maximum de six partenaires, sauf si des partenaires issus d'Argentine, d'Estonie, d'Israël, de Lettonie, de Pologne, de Roumanie, de Russie et de Turquie font partie du consortium, auquel cas le nombre maximum autorisé de partenaires est de huit. Le nombre de partenaires éligibles en provenance du même pays ne doit pas dépasser deux.
- Toute proposition qui ne répond pas au critère du nombre minimum de partenaires, dépasse le nombre maximum de partenaires ou inclut un partenaire non éligible est rejetée avant la phase d'évaluation.
- Le coordinateur d'un consortium doit appartenir à une organisation éligible au financement de l'une des agences participant à l'appel. Une organisation qui envisage de participer à ses propres frais, sans financement public prévu par l'appel cofinancé de l'ERA-NET COFUND ERA CoBioTech, ne peut pas agir en tant que coordinateur.

5. EVALUATION

Dans le cadre de cet appel, un comité évalue les propositions selon les modalités énoncées en annexe du plan de travail de la Commission Européenne.⁵

L'appel conjoint de l'ERA-NET COFUND ERA CoBioTech prend la forme d'une procédure en deux étapes :

- Étape 1 : examen au niveau national ou transnational et examen international unique par les pairs.
- Étape 2 : examen international unique par les pairs.

5.1 CRITÈRES ÉTAPE 1

Les critères d'évaluation des propositions complètes sont :

- la pertinence du projet vis-à-vis de la portée de l'appel à projets conjoint
- l'excellence ;
- l'impact.

Le détail des critères d'évaluation est disponible dans le texte de l'appel à projet dont le lien figure en page 1.

Une traduction en français pourra être fournie, sur demande auprès de l'ANR.

5.2 CRITÈRES ÉTAPE 2

Les critères d'évaluation des propositions complètes sont :

- l'excellence ;
- l'impact ;
- la qualité et l'efficacité de la mise en œuvre.

Le détail des critères d'évaluation est disponible dans le texte de l'appel à projet dont le lien figure en page 1.

Une traduction en français pourra être fournie, sur demande auprès de l'ANR.

5.3 CLASSEMENT

Les propositions sont classées selon les résultats de l'évaluation. La sélection s'effectue sur la base de ce classement.

5.4 RÉSULTATS

Les projets sont financés sur la base de la liste établie par le comité d'évaluation à concurrence de la capacité budgétaire des membres de l'ERA-NET COFUND. Dans le cadre des ERA-NET COFUND, la liste des projets sélectionnés pour

⁵ Annexe générale du Plan d'action d'Horizon 2020 sur les ERA-NET Cofund : http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/annexes/h2020-wp1415-annex-d-eranet-cofund_en.pdf

financement s'arrête dès qu'un projet ne peut être financé par tout ou partie des agences membres de l'ERA-NET COFUND.

6. DISPOSITIONS POUR LE FINANCEMENT

Chaque agence financera les dépenses relatives aux équipes de son pays **selon ses propres règles**. Les modalités d'attribution des aides de l'ANR sont précisées dans le « Règlement financier » disponible à l'adresse <http://www.agence-nationale-recherche.fr/RF>

Les sous-traitants peuvent être inclus et sont gérés conformément aux règles de financement national ou régional du participant éligible (voir ANNEXE 2).

Les échéances applicables pour les rapports intermédiaires et finaux sont celles déterminées par l'appel. Ces rapports doivent être transmis au secrétariat de l'appel et à l'ANR.

Germany - BMBF

Participating organisation: BMBF

Indicative Budget: 9.0 M€

National Contact Person(s):

Dr. Petra E. Schulte / Dr. Christian Breuer
Tel.: +49 2461 61-9031 / +49 2461 61-96929
E-Mail: petra.schulte@fz-juelich.de / c.breuer@fz-juelich.de

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

Information about „Nationale Forschungsstrategie BioÖkonomie 2030“ is provided under <http://www.bmbf.de/de/biooekonomie.php>.

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

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

Maximum funding per project: there is no minimum and/or maximum funding per project

Institutional eligibility criteria:

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 “additional information”)

Institutional thematic priorities:

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

BMBF puts strong emphasis on the application of the FAIRDOM data management approach.

Proposals with the following focus cannot be funded:

Applications in bioenergy.

Additional information:

German applicants are strongly recommended to contact their National Contact Persons before submitting a proposal and to refer to the National Announcements which can be requested from the National Contact Persons.

German applicants who are eligible to receive “Projektpauschale” must make sure, that this is drawn in the section “Finances” under “Overhead”. Additional explanations can be put down in writing in the section “Comments on finances”.

- BMBF funding of the ERA CoBioTech co-funded call is provided as delineated in the announcement “Richtlinie zur Förderung transnationaler Verbundvorhaben auf dem Gebiet der Biotechnologie im Rahmen des ERA-Net Cofund CoBioTech” published in December 2016.
- Funding bases on §§23 and 44 BHO (Bundeshaushaltsordnung) and associated administrative regulations. The main items are as follows:
 - The procedure (“Verfahren”) is according to the above mentioned protocol (see Chapter “Application Procedure on page 13”). Funding will be awarded as non-repayable project grant.
 - The funding regulations, the follow up and reporting of publicly funded projects are regulated according to ANBest (Allgemeine Nebenbestimmungen), BNBest (Besondere Nebenbestimmungen), and NKBF 98 (Nebenbestimmungen für Zuwendungen auf Kostenbasis des Bundesministeriums für Bildung und Forschung an Unternehmen der gewerblichen Wirtschaft für Forschungs- und Entwicklungsvorhaben). Additionally, reporting duties as delineated in this Call Announcement in the Chapter „Reporting requirements“ must be respected as well.

- Eligible applicants are universities, research institutions and enterprises, especially SMEs, domiciled in Germany.
 - o For universities intending to request the "Projektpauschale" in the frame of the present call, the project costs budgeted in the pre-proposal must include this "Projektpauschale". More information are available in the "FAQ zur Projektpauschale": <https://foerderportal.bund.de>
 - o Research institutions, which receive basic financing, can be funded subject to specific conditions.
- Enterprises must be registered in Germany and must be well established in Germany with plants, laboratories, employees, etc. The proposed project must add benefit to the national economy. In order to prove their financial ability to participate in the proposed project, Small and Medium Enterprises (SMEs) have to submit, together with the electronic submission of the Pre-proposal (documents received latest on 04.03.2015) the following documents:
 - ✓ Financial statement for the last two years (Jahresabschlüsse der letzten zwei Jahre)
 - ✓ Confirmation of the financial own contribution (Erklärung zur Aufbringung des Eigenanteils)
 - ✓ Business assessment (Aktuelle BWA)
 - ✓ Liquidity planing for the duration of the proposed project (Liquiditätsplanung für die Laufzeit des vorgeschlagenen Projektes)

The documents have to be submitted to:

Dr. Petra E. Schulte

Projektträger Jülich
Geschäftsbereich Bioökonomie
PtJ BIO 7: Europäische Initiativen und Internationales
Forschungszentrum Jülich GmbH
D-52425 Jülich

Tel.: +49 2461 61-9031

Fax: +49 2461 61-1790

petra.schulte@fz-juelich.de

Double funding is not possible.

In the case of a positive funding recommendation all German applicants will be asked to submit a formal national application. It is strongly recommended to use the electronic application system "easy-online" (<https://foerderportal.bund.de/easyonline>)

Germany –FNR

Participating organisation: Fachagentur Nachwachsende Rohstoffe e.V. (FNR)
Agency for Renewable Resources

Indicative Budget: 2.0 M€

National Contact Person(s): Tina Hausmann
Tel.: +49-3843-6930-172
E-Mail: t.hausmann@fnr.de

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

Funding through FNR is based on the funding programme “Renewable resources” of the Federal Ministry of Food and Agriculture.

<http://www.fnr.de/projektfoerderung/fuer-antragsteller/foerderprogramm-nachwachsende-rohstoffe/>

Max. project duration: 36 months

Maximum funding per project: The total requested funding of all German Partners in a consortium may not exceed 0.5 M €.

Institutional eligibility criteria:

- Funding quota of German participants can be up to 100 % for universities or research organisations. In the case of companies, funding quota will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities, commercial perspective of exploitation, typically up to max. 50%. In this case, overhead costs can be considered for companies.
- In case of small and medium enterprises, an additional bonus of 10-20 % funding quota can be awarded.
- There is no obligation regarding the number of companies to be involved from Germany but company participation is recommended for dissemination and exploitation of results.
- Funding for companies in Germany is only possible if the company is registered in Germany. The company must be well established in Germany with plants, laboratories, employees, etc. The company must have appropriate own financing for the project as well. The company must demonstrate its capability (in terms of dimension: personnel, laboratories, facilities) to gear properly its project effort.
- The project must add benefit to the German economy.

Institutional thematic priorities:

FNR is providing funding for applicants who propose innovative applied research activities beyond the state of the art related to the sustainable production and utilization of renewable resources.

Proposals with the following focus cannot be funded:

Food, feed, pharmaceutical production and red biotechnology

Germany - Freestate of Saxony

Participating organisation: Saxon State Ministry for Higher Education, Research and the Art (SMWK)

Indicative Budget: 1.0 M€

Regional Contact Person(s):

Name: Gabriele Süptitz

Tel.: +49 351 564 6422

E-Mail: gabriele.sueptitz@smwk.sachsen.de
cobiotech@smwk.sachsen.de

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

Max. project duration: 36 months

Maximum funding per project: no limitation

Institutional eligibility criteria: see Saxon guidelines

Institutional thematic priorities SMWK will support projects within the entire scientific scope outlined in the Call Announcement

Proposals with the following focus cannot be funded: All proposal within the scope outlined in the Call Announcement can be funded.

Additional information:

In the case of a positive funding recommendation, Saxon applicants will be asked to submit a regional application according to the related Saxon guidelines.

Israel – CSO-MoH

Participating organisation: Chief Scientist Office, Ministry of Health (CSO-MOH)

Indicative Budget: 0.2 M€

National Contact Person(s): Dr. Ronit Meyuhas
The Chief Scientist Office
Israeli Ministry of Health
39, Yirmiyahu St. Jerusalem 91010, Israel
Tel: +972-2-5082159
E-mail: Ronit.meyuhas@moh.gov.il

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

Research fund at the Chief Scientist Office, Ministry of Health.

http://www.health.gov.il/Subjects/research/International_cooperations/Pages/default.aspx

Min. project duration: 24 months

Max. project duration: 36 months

Maximum funding per project:

A maximum grant of 100,000 Euro will be awarded for each project.

An additional 10,000 Euro can be requested if Israeli researcher is the coordinator of the consortium.

Institutional eligibility criteria:

Research institutes in Israel.

PI should hold a Ph.D., M.D., D.M.D., D.Sc. or equivalent degree and employed by an eligible institution. Research will not be funded simultaneously by CSO-MOH on more than one grant (ERA-NET or national). Researchers can not apply for more than one grant from any ERA-NET funded by CSO-MOH or submit more than one proposal for any single programme.

Institutional thematic priorities:

CSO-MOH will only fund research with biomedical relevance.

Proposals with the following focus cannot be funded: projects which are not related even remotely to health will not be approved.

Additional information:

Prior to submission, researchers must submit to CSO-MOH ronit.meyuhas@moh.gov.il an abstract approved by their research authority describing their part in the consortium (not the proposal abstract), as well as budget and justification. Thus no submission of abstract can result in declaration of the consortium as ineligible.

Funded participants will be requested to submit financial and scientific reports to CSO-MOH.



Italy – MIUR

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

Indicative Budget: 400.000 €

National Contact Person(s):

Aldo Covello
E-mail: aldo.covello@miur.it
Tel: +39 0658496465

Giorgio Carpino
E-mail: giorgio.carpino@miur.it
Tel: +39 0658497147

Name of & link to the funding programme(s) and other relevant information:
FIRST - Fondo per gli Investimenti nella Ricerca Scientifica e Tecnologica

Min. project duration: 24 months

Max. project duration: 36 months

Maximum funding per project:

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:

A maximum of two Italian participants per project proposal is admitted.

A Principal Investigator can participate (either as coordinator or as partner) in only one project proposal.

All costs incurred during the lifetime of the project under the following categories are eligible: Personnel, Equipment, Subcontracting, Consumables, and Overheads.

Activity typology \ Applicant typology		Funding Rates			
		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	
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.

1) *Type/nature of participants*

The following entities are eligible for funding, providing that they have stable organization in Italy:

- 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).

2) *Legal/administrative/financial conditions:*

The participant must not be defaulting with regard to other funding received by MIUR.
The participant must not have requested/got any other funding for the same research activities.
The participant must respect the Italian law against "mafia".

3) *Financial conditions*

For any private entity, the following financial criteria, calculated using the data reported in the last approved balance sheet, must be fulfilled:

I. **$CN > (CP - I)/2$**

Where:

CN = net assets (Capitale netto)

CP = sum of the costs of all the projects for which public funding has been requested by the participant during the year

I = sum of the contributions received, approved or requested for the same projects

II. **$OF/F < 8\%$**

Where:

OF = financial charges (Oneri finanziari)

F = turnover (Fatturato)

In addition to pre-proposals and full proposals that shall be submitted at European level, Italian participants must provide MIUR with a set of additional National documents as defined in the "Avviso integrativo nazionale" published on MIUR website (<http://www.ricercainternazionale.miur.it>). These national additional documents must be sent to MIUR by the same deadline of the preproposal phase submission established in the international joint call.

Any participant who does not send its national documents by the deadline of the FLAGERA call, will be considered not eligible for funding.

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.

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

Eligible participants must have a stable organization in Italy.

Institutional thematic priorities:

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

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

Proposals with the following focus cannot be funded: -

Additional information:

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", which will be published on MIUR website (<http://www.ricercainternazionale.miur.it>) and in the applicable Italian laws.

Latvia – VIAA

Participating organisation: Valsts izglītības attīstības aģentūra (VIAA)

Indicative Budget: 0.3 M€

National Contact Person (s):

Linda Kluga-Rajceviča
Tel. 00371 67559495
E-Mail: linda.kluga-rajceviča@viaa.gov.lv



Name of the funding programme:

National Programme „Support for Participation in European Union’s Research and Technology Development Programs”

Max. project duration: 36 months

Maximum funding per project: EUR 210 000

Institutional eligibility criteria:

Following legal persons (as defined under Latvian law) are eligible for funding, except natural persons:

- » R&D institutions (research institutes, universities, higher education establishments, research centres etc.) that are listed in the Registry of Research Institutions operated by the Ministry of Education and Science of the Republic of Latvia.
- » Private entities that are registered in the Registry of Enterprises of the Republic of Latvia and provide most of their R&D&I activities in the Republic of Latvia.

Types of costs that are eligible for funding: Direct Costs:

- » personnel costs,
- » other direct costs such as consumables, equipment (only depreciation costs), materials, events etc.,
- » subcontracts (up to 20% of the total direct costs)
- » travel costs.

Indirect costs can reach a maximum of 25% of the total direct costs. Upper funding limit is EUR 70 000 per year per project participant.

Netherlands – NWO

Participating organisation: Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)

Indicative Budget: 1.0 M€

National Contact Person(s): Ms. Susan Licumahua
Tel.: +31 70 344 0615
E-Mail: s.licumahua@nwo.nl

Mr. Mark Schmets,
Tel.+31 70 344 0537
E-Mail: , m.schmets@nwo.nl

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

NWO supports the ERA-NET-Cofund on Biotechnology (ERA CoBioTech) and encourages its Biotechnology research community to apply for funding for collaborative research in Europe. NWO's participation in ERA CoBioTech is part of the European dimension of the national programme <http://www.nwo.nl/en/research-and-results/programmes/building+blocks+of+life>. This National Annex is an annex to the ERA CoBioTech Joint Call for Proposals and applies to (co-) applicants who perform their research activities in the Netherlands.

Min.project duration: none
Max. project duration: 36 months

Maximum funding per project: 250,000 €

Institutional eligibility criteria:

NWO will fund the Dutch part of any successful transnational collaboration, within the reach of the available budget. Researchers of Dutch universities and selected Dutch institutes under the standard NWO rules are eligible to apply, as described in <http://www.nwo.nl/documents/nwo/juridisch/nwo-regeling-subsidies-1-december-2015>. TO2 institutes and universities of applied sciences – HBO-instellingen – (if paid in accordance with Article 8.1 of the law on higher education and scientific research and a member of the Vereniging Hogescholen) may act as (co-) applicant, in addition to the NWO groups as identified in the <http://www.nwo.nl/documents/nwo/juridisch/nwo-regeling-subsidies-1-december-2015>, Article 1.1.1. TO2 institutes and universities of applied sciences can also receive (part of) the grant applied for (see section 1.1.2 <http://www.nwo.nl/documents/nwo/juridisch/nwo-regeling-subsidies-1-december-2015>).

For all ERA CoBioTech applications involving Dutch applicants, the involvement of a Dutch university or institute as (co-)applicant (as identified in the "[NWO Regeling Subsidies](#)", Article 1.1.1) is required.

A consortium agreement between the project partners is required for funding (after the final funding decision), although the principles of the agreement should be clear in the application form.

Industrial participants from the Netherlands are encouraged to participate in the consortium and contribute to the project. Industrial participants cannot receive funding.

The maximum total amount applied for by Dutch applicants is k€ 250 per proposal. Please note: if the Dutch subproject involves more than one party, the total of k€ 250 per proposal applies to the total joint budget applied for by all Dutch parties involved in the subproject. I.e., the joint budget applied for by Dutch applicants cannot exceed k€ 250 per proposal.

(Co-)Applicants should have an employment contract for at least the duration of the application procedure and the duration of the research the grant is applied for. Exceptions to the required employment duration can be made for main applicants holding a „tenure track” position that covers at least half the duration required and for co-applicants if the applicants prove by means of a letter that adequate supervision of all researchers for whom funding is applied for, can be guaranteed for the full duration of the grant.

Budget and themes

The total budget available to fund participants from the Netherlands is approximately M€ 1.0. All themes mentioned in the Call Announcement can be addressed.

Technology readiness level

Please be aware that projects should fall within Technology Readiness Levels (TRL) 3-6, although projects are not necessarily required to cover the whole range. Industry engagement should be appropriate for the TRL range being investigated. The ERA CoBioTech international panel of experts will take these TRL into account.

Type and amount of funding

Funding can be awarded to cover all reasonable, non-infrastructure costs for the duration of the project. The grant can be used for:

- temporary personnel costs;
- consumables;
- equipment related to the research proposal;
- travel expenses;
- costs for Gold Open Access publishing (see also below for additional funding for covering Open Access publishing).

For all eligible applicants the [VSNU standard tariffs](#) (July 2016) for personnel costs apply.

Open Access publishing

To cover the costs of Article Processing Charges (APCs, the editing and publication costs for Open Access articles and books) principal applicants of research funded by NWO can turn to the [NWO Incentive Fund Open Access](#). Up to 6000 euros per research project can be applied for. The direct placing of publications in the repository (Green Open Access) is usually free of charge. As NWO wants to encourage Gold Open Access, the Incentive Fund can only be used for APCs of articles in Gold Open Access journals or books that at the moment of publication are available in Open Access form.

Duration of the project

ERA CoBioTech projects have a maximum duration of 3 years, due to EU Cofund-regulations, therefore researchers in the Netherlands can only apply for postdocs (not PhD positions).

Maximum Budget

The total costs of the Dutch part of an awarded grant cannot exceed € 250,000 per ERA CoBioTech proposal.

Personnel costs

Applicants may apply for NWO funding and participate in a ERA CoBioTech consortium as main applicant or as co-applicant who are employed, at least for the duration of the project, at Dutch universities, NWO and KNAW institutes, TO2 institutes and HBO institutes. Applicants can apply for a temporary postdoc position or a similar function (in terms of functions and grading) at an institute. For HBO and TO2 institutes: maximum eligible costs for junior researchers are equivalent to the PhD salary level, maximum eligible costs for senior researchers are equivalent to Postdoc salary level. Indemnification shall be in accordance with the standard costs in the NWO-VSNU agreement on the funding of scientific research.

For details and tariffs: www.nwo.nl/financiering/hoewerkt-dat/salaristabellen. Tariffs are indexed annually. An indication for 2016: (incl. Personal "bench fee" for postdocs): post-doc 1 yr – k€ 73, post-doc 2 yr – k€ 142, post-doc 3 yr – k€ 212, technician 1 yr – k€ 61.

Application Procedure

The applicants must submit their joint application via the ERA CoBioTech submission website (www.submission-cobiotech.eu/). NWO makes the final decision on the granting of the proposals concerning researchers who apply for funding and who are affiliated to organizations in the Netherlands, based on the advice of the Executive Board of ERA CoBioTech.

National Contact

Ms. Susan Licumahua, s.licumahua@nwo.nl, +31 70 344 0615

Mr Mark Schmets, m.schmets@nwo.nl, +31 70 344 0537

Norway – RCN

Participating organisation: Research Council of Norway (RCN)

Indicative Budget: 1.5 M€

National Contact Person(s):
Dr. Øystein Rønning
Tel: +4791623960
E-Mail: oro@rcn.no**Name of & link to the funding programme(s) and other relevant information:**BIOTEK2021 (<http://www.forskningsradet.no/biotek2021>)**Additional information:**

The Research Council of Norway (RCN) participates through the national program Biotechnology for Innovation (BIOTEK2021) in all call topics. RCN does not require a national application, but it should be clear from the common application what role the Norwegian partners would have and the size of their budget. The total sum of the budgets of the Norwegian participants in each proposal must be limited to 5 M NOK (540 000 EUR).

Universities and research organisations may receive funding according to the rules of Researcher projects (Forskerprosjekt) of RCN. In these cases up to 100% of total eligible costs may be funded.

Companies and commercial entities may receive funding according to the rules of Innovation Project for the Industrial Sector (Innovasjonsprosjekter i næringslivet) of RCN. In these cases up to 50% of total eligible costs may be requested if this funding is used to cover the costs of activities that fall completely within the R&D categories “fundamental research” or “industrial research” as defined in the state aid rules.

Poland - NCBR

Participating organisation: Narodowe Centrum Badań i Rozwoju

Indicative Budget: 0.7 M€

National Contact Person(s):

Malgorzata Zieminska
Tel. +48 22 39 07 493
E-Mail:

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

BIOSTRATEG "environment, agriculture and forestry"

Max. project duration: 36 months

Maximum funding per project: In relation to the budget limit (700 000 €) it is recommended that one project partner can require up to 200 000 €.

Institutional eligibility criteria:

Following entities are eligible to apply:

- Research organizations;
- Micro, Small, Medium and Large Enterprise.

The project consortium with Polish participation must include at least one Polish enterprise to be eligible for funding.

Organization must be registered in Poland.

All proposals must be aligned with National regulations, inter alia:

- The Act of 30 April 2010 on the Principles of Financing Science, published in Journal of Laws item 1620, 2014;
- The Act of 30 April 2010 on the National Centre for Research and Development, published in Journal of Laws item 1788, 2014 and item 249, 2015;
- The Regulation of the Minister of Science and Higher Education of 25 February 2015 on criteria and rules on granting state aid and "de minimis" aid by the National Centre for Research and Development, published in Journal of Laws item 299, 2015.

The eligible costs shall be the following:

1. Personnel costs (researchers, technicians and other supporting staff to the extent employed on the research project);
2. Costs of instruments and equipment, technical knowledge and patents to the extent and for the period used for the research project; if such instruments and equipment are not used for their full life for the research project, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice, shall be considered eligible;
3. Costs for buildings and land, to the extent and for the duration used for the research project; with regard to buildings, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice shall be considered eligible; for land, costs of commercial transfer or actually incurred capital costs shall be eligible;
4. Cost of contractual research, costs of consultancy and equivalent services used exclusively for the research activity; this cost type cannot account for more than 70% of all eligible costs of a project; the subcontracting can be obtained from consortium partner only in justified case, this need will be verified by a national experts panel;

5. Other operating costs including costs of materials, supplies and similar products incurred directly as a result of the research activity;
6. Additional overheads incurred indirectly as a result of the research project; that costs cannot account for more than 25% of all eligible project costs; That costs (6) are counted as a multiplication by percentage given above (called x%) and the rest of direct costs, excluding subcontracting (4); It means $6=(1+2+3+5)*x\%$.

Funding quota of Polish participants can be up to 100% for universities or research organisations. In the case of enterprises, funding quota will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities and commercial perspective of exploitation. Organization must be registered in Poland.

	Large Enterprises	Medium Enterprises	Micro/Small Enterprises	Universities and research organizations
Fundamental/Basic Research	n/a	n/a	n/a	n/a
Industrial/Applied Research	Up to 50+15 (max 65 %)	Up to 50+10+15 (max 75 %)	Up to 50+20+15 (max 80 %)	Up to 100 %
Experimental development	Up to 25+15 (max 40 %)	Up to 25+10+15 (max 50 %)	Up to 25+20+15 (max 60 %)	Up to 100 %

In any case only Applied Research and Experimental Development will be funded.

Other type of activities (e.g. coordination, dissemination, management) cannot be included into separated task.

All eligible entities, invited to submit Polish proposal are obliged to use the rate of exchange of The European Central Bank dated on the day of opening the call.

Institutional thematic priorities:

No topic priorities

Proposals with the following focus cannot be funded:

NA

Additional information:

Applicants are advised that this annex is for general guidance only. For more detailed rules and regulations please refer to the national call announcement and contact the National Contact Person.

Romania - UEFISCDI

Participating organisation: Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii (UEFISCDI)

Indicative Budget: 0.5 M€ Euro

National Contact Person(s): Adrian Asanica
Tel. +40744.45.00.11
E-Mail: adrian.asanica@uefiscdi.ro

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

Max. project duration: 36 months

Maximum funding per project: 0.2 / 0.25

Institutional eligibility criteria:

Eligible entities for funding are universities, public institutions, R&D national institutions, joint-stock companies, SME's and Large companies, NGOs (associations, foundations, etc.), others.
Funding rates vary in accordance with state aid legislation.

Institutional thematic priorities: none

Proposals with the following focus cannot be funded: -

Additional information:

- a. Staff costs;
- b. 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;
- c. Travel expenses;
- d. Overhead (indirect costs) is calculated as a percentage of direct costs: staff costs, logistics costs (excluding capital costs and cost for subcontracting) and travel

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

Russia - FASIE

Participating organisation: Foundation for Assistance to Small Innovative Enterprises (FASIE)

Indicative Budget: 1.0 M€

National Contact Person(s): Olga Levchenko
Tel. +7 495 231 38 51
E-Mail: levchenko@fasie.ru

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

Max. project duration: 24 months

Maximum funding per project: 0.2

Institutional eligibility criteria:

Only small companies according to the Russian law (Federal Law №209, Article 4): up to 100 personnel, up to 800 mln Roubles turnover and less than 49% participation of public, foreign and large companies. Special exception is made for „Skolkovo“ residents. Universities, research organizations and other public bodies can participate as subcontractors (with not more than 30% share received as a grant from FASIE being subcontracted).

Ideally, applicant should be a small company not younger than 1 year with a proved track record, IP, and a good turnover.

Institutional thematic priorities: none

Additional information:

- **Which type of projects are eligible?**

Technically and financially feasible R&D projects with an impact increase in the R&D company activities are eligible.

- **Which types of costs are eligible?**

Personnel costs (up to 40%) , equipment (where applicable), subcontracting, some „other“ costs are eligible. Travelling/subsistence, IPR, marketing are not eligible. Those have to be covered from co-financing.

50% of the amount of the grant provided by FASIE should be co-financed (7.5 million Roubles)

- **Funding is provided as grant/loan/capital loan/guarantee**

Funding is provided as a grant.

- **Limits of funding per proposal**

Maximum amount per proposal is 15 millions Rubles (the amount which can be provided by FASIE-equivalent of 200 000 EUR). Projects can last 18 or 24 months.

- **Other conditions**

- The company which has an “open” contract with FASIE when applying for is not eligible;
- The project must add benefit to the national economy and demonstrate added value from the international cooperation;
- The project should demonstrate commercialization potential;
- There is no legal limitation to the size and financial status of the company; however, preference will be given to the already established companies having proven record and a good turnover;
- The company must have enough financial means to fund its own part of the project (50% of the amount of the grant) or, alternatively, find an investor;
- Companies which received funding from FASIE previously will have to provide additional materials showing the effectiveness of the funded projects;
- Russian applicant must submit a national application via the electronic submission system: online.fasie.ru

Details of the program can be found here: <http://fasie.ru/programs/programma-internatsionalizatsiya/polozhenie-o-konkurse-mezhdunarodnye-programmy.php>

Slovenia - MIZS

Ministry of Education, Science and Sport (MIZS)
Masarykova 16, 1000 Ljubljana

Eligibility of a partner as a beneficiary institution: research organizations as defined in the national [Research and Development Act](#) (*Zakon o raziskovalni in razvojni dejavnosti - ZRRD, Uradni list RS, št. 22/06 – uradno prečiščeno besedilo, 61/06-ZDrU-1, 112/07, 9/11 in 57/12-ZPOP-1A*). All participating institutions have to be registered in the Slovenian Research Agency register of research institutions (Informacijski sistem o raziskovalni dejavnosti v Sloveniji - Sicris).

Eligibility of principal investigator and other research team members: The project activities of the Slovenian partner have to be under the supervision of the primary investigator/primary researcher who fulfills the requirements for project leader as defined in Art. 29 of the national [Decree on criteria and standards for allocating resources for the implementation of the research activity, financed from the budget of the Republic of Slovenia](#) (*Uredba o normativih in standardih za določanje sredstev za izvajanje raziskovalne dejavnosti, financirane iz Proračuna Republike Slovenije, Uradni list RS, št. 103/11, 56/12, 15/14 in 103/15, from now on: Decree on criteria and standards*). The criteria are further determined in the [Rules on Determining the Fulfillment of Conditions for a Research Project Leader](#) (*Pravilnik o kriterijih za ugotavljanje izpolnjevanja pogojev za vodjo raziskovalnega projekta, Uradni list RS št. 41/09 in 72/11*). All participating researchers have to be registered in the Slovenian Research Agency register of researchers (Sicris) and must have available research hours.

Eligibility of costs: MIZS will fund all eligible costs of Slovenian researchers participating in successful transnational projects, recommended for funding in accordance with the *Decree on criteria and standards*. Eligible costs are defined based on the FTE value according to the Slovenian Research Agency's research project categorization (A, B, C or D based on the research conducted). Eligible costs must be directly related to the research conducted and should include personnel (according to article 16,18, 22 and 23 of the Decree), material (including travel, consumables and services) and equipment (amortization) costs as elements of the FTE. Indirect costs are eligible. The value is calculated based on the FTE value of category A, B,C, or D research projects, under the condition that costs under each of the specific FTE elements are appropriately decreased (by a max. of 20% for indirect costs).

Period of eligibility of public expenditures: as of budgetary year 2018 until the end of the budgetary year 2021.

Period of eligibility of expenditures on the project: from the starting date of the transnational project stipulated in the consortium agreement for a period of 36 months, with a prescribed additional 30 day period for the payment of invoices related to the project costs. The exact duration of the project will be defined in the contract between MIZS and the selected Slovenian partner, after the consortium agreement between the selected consortium partners enters into force.

National funding: max. 630.000 EUR with a possibility of additional EC funding depending on EC contribution (in the form of top up funding)

Total requested funding per project: for all Slovenian partners within one consortium must not exceed 70.000 € per year (210.000 € for the total project duration of 36 months).

Funding:

a) 100 % for research organization (such as universities, public and private research institutes) who's financed activity is non-economic in accordance with the provisions of Community Framework for State Aid for Research and Development and Innovation (OJ EU C 198, 27. 6. 2014). Wide dissemination of research results on a non-exclusive and non-discriminatory basis is required.

b) For research organizations, under the provision of the Companies Act (*Zakon o gospodarskih družbah, Uradni list RS, št. 65/09 - uradno prečiščeno besedilo, 33/11, 91/11, 100/11 - skl. US, 32/12, 57/12, 44/13 - odl. US, 82/13 in 55/15*): 80% for small enterprises, 75% for medium sized enterprises and 65% for large enterprises.

National contracting negotiations will commence after the projects are selected for funding on the level of the transnational call. National documentation with a statement regarding the agreed starting date of the transnational project signed by the transnational project coordinator will be a prerequisite for signing the contract on national level.

All Slovenian applicants are strongly advised to contact the Slovenian National Contact Person, Ms. Kim Turk before preparing proposals for application (kim.turk@gov.si; +386(1)4784705)

Spain - CDTI



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

Indicative Budget: 0.53 M€

National Contact Person(s):

Pilar de Miguel
Tel: +34 915815502
E-mail: mariapilar.demiguel@cdti.es

Julian Díaz
Tel: +34 915815505
E-mail: julian.diaz@cdti.es

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

<https://www.cdti.es/index.asp?MP=7&MS=724&MN=3>

Min. project duration: 12 months

Max. project duration: 36 months

Maximum funding per project: No restrictions apply for maximum funding per project but the minimum project budget per partner is 175.000€

Institutional eligibility criteria:

Eligible entities: Companies established and carrying out R&D activities in Spain. Other entities such as universities, public research institutions, technological centres, and other private non-profit institutions could participate under subcontracting by Spanish companies.

Eligible activities: Projects may comprise both industrial research as well as experimental development activities, and must represent outstanding scientific-technical quality and high innovative potential. The Spanish part of the proposed work plan must be developed in Spain. Management and dissemination activities are explicitly excluded for funding.

Project budget: The minimum fundable budget is €175,000.

Eligible costs:

- Personnel.
- Instrument and equipment costs, to the extent and during the period in which they are used for the research project.
- Contractual research costs, technical knowledge and patents bought or licensed from outside sources at market prices, and costs for consulting and equivalent services intended exclusively for the research activity.
- Other operating expenses, including costs for material, supplies and similar products, which result directly from the research project.
- Indirect costs

Institutional thematic priorities:

Any topic described within the Call Announcement can be funded by CDTI provided that the above eligibility criteria are met.

Proposals with the following focus cannot be funded:

Only tasks related to either, technological industrial research or experimental development can be funded by CDTI. Management and dissemination activities are explicitly excluded for funding.

Additional information:

Applicants are encouraged to contact CDTI's National Contact Persons for getting advice about national funding rules before submitting a proposal.

Additionally to the international application process, all Spanish applicants that aim to received CDTI's funding (projects coordinators and partners) must submit a formal application (with the information related to National Eligibility check) by way of CDTI's electronic submission system. This information has to be submitted to CDTI no later than 10 days after the closing date for pre-proposals and full proposals, respectively.

Spain – MINECO

Participating organisation:	MINECO/Agencia Estatal de Investigación
Indicative Budget:	1 M€
National Contact Person(s):	Ana Barra (Administrative and technical issues) Auxiliadora Prieto (Scientific issues) Tel: 34 91 603 83 98 E-Mail: era-ib@mineco.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 2013-2016. [Plan Estatal](#)

The instrument for funding the Spanish groups will be the Spanish Call on International Joint Programming Actions (*Acciones de Programación Conjunta Internacional*), which will be launched in 2017 (APCIN 2017 or equivalent). Only as a reference, the beneficiaries are advised to read the call. [APCIN2016](#)

The Spanish legal entities granted are obliged by the regulations established in this APCIN call and by the funding limits specified below.

Call will be managed by the [Subdivisión de Programas Científico-Técnicos Transversales, Fortalecimiento y Excelencia - Agencia Estatal de Investigación \(AEI\)](#)

Min.project duration: 3 years

Max. project duration: 3 years

Maximum funding per project: -

The following funding limits are considered eligibility criteria by MINECO. Proposals not respecting these limits could be declared non eligible.

When one Spanish legal entity participates in the proposal, the maximum funding is 150.000€ (additional 50.000€ when the project is coordinated by a Spanish PI).

When 2 Spanish legal entities participate in the same proposal, the maximum funding of the Spanish part should not exceed 200.000€ per project (additional 50.000€ when the project is coordinated by a Spanish PI).

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

Institutional eligibility criteria:

Eligible Partners for MINECO funding are non-profit research organizations according to the APCIN call APCIN2017. Final rules on eligibility will be defined in the APCIN call, to be published [here](#).

Mandatory:

Spanish Principal Investigators **must be** eligible according to the APCIN 2017 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, or European Framework Programmes, and other international relevant programmes.

Not allowed:

- Principal Investigators are not allowed to apply for funding in more than one proposal of this call.
- Principal Investigators are not allowed to apply for funding in more than one proposal in APCIN 2017 call. This must be taken into account when participating in other international initiatives, including ERA-Nets and calls in the frame of Joint Programming Initiatives (JPIs).

- Important note: Principal Investigators, who obtain funding in one APCIN call, will not be allowed to apply in the APCIN call, or equivalent, in the following year.

Spanish PIs have to remain unchanged between the pre-proposal stage, the full proposal stage and the National APCIN call.

MINECO will avoid double funding (overlapping with other EU or National funding), and will not grant projects or parts of projects already funded.

Institutional thematic priorities: None

Proposals with the following focus cannot be funded:

Additional information:

- Personnel costs for temporary employment contracts (scholarships are not eligible).
- Current costs, small scientific equipment, disposable materials, travelling expenses and other costs that can be justified as necessary to carry out the proposed activities.
- Indirect costs (overheads) are not eligible for funding in the APCIN call.



Switzerland – CTI

Participating Organisation: Commission for Technology and Innovation CTI

Indicative Budget: 1 to 1.5 M CHF

National Contact Person(s): Alain Dietrich
Tel.: +41 58 464 92 87
E-mail: alain.dietrich@kti.admin.ch

Max. Project duration: 3 Years

Additional requirements:

For Swiss participants the transnational application to the central call office is not sufficient. It is compulsory for Swiss partners to provide an additional application during the **pre-proposal phase** to the Commission for Technology and Innovation (CTI) for the proposals where the expected national project part of the work is clearly and detailed described. The usual CTI funding rules and application forms will apply (see www.kti.admin.ch/projektfoerderung/00025/index.html?lang=en for details). This means that:

- At least one Swiss company and one Swiss 'not-for-profit' research institution or university research center (university, Federal Institute of Technology, University of Applied Sciences) recognised by the CTI must be involved in a CTI funded R&D project. Projects involving several participants are particularly encouraged. Only applications with an implementation partner actively participating in the project will be evaluated by CTI and qualified as eligible.
- The industry partner has to cover at least 50% of the project costs from the total project work of the Swiss partners. The industry partner(s) must also provide a cash contribution to its academic partner.
- There is no federal funding allowed to companies.
- The project focuses on innovation. In general, no funding will be given to projects which propose marginal improvements of existing products, nor for projects with a purely basic research content.
- The criteria for proposal assessment are: degree of innovation with its economic impact, and scientific excellence, commercial potential, contribution to sustainable development, clear work program and a transparent budget.
- The project must have quantified, measurable goals and a coherent and structured schedule with verifiable progress milestones. It must be based on a thorough appraisal of the current state of the relevant technology and on an evaluation of the corresponding data base and patent rights.
- A contract on intellectual property rights must be signed prior to the start of the project. A confidentiality clause should be included where necessary.
- Regular reviews by CTI experts help the partners to adhere to the project contents and time schedule where necessary by asking for timely corrections.
- At the end of the project, a plan must be presented showing how the results will be implemented.

For more details, please refer to the CTI webpage with following link:

<http://www.kti.admin.ch/projektfoerderung/00025/index.html?lang=en>

Turkey - TÜBİTAK

Participating organisation:	TUBITAK
Indicative Budget:	1.0 M€
National Contact Person(s):	Dilek Sahin Tel: 90 312 468 53 00 E-Mail: dilek.sahin@tubitak.gov.tr

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

1509 International Industrial R&D Grant Program

http://www.tubitak.gov.tr/sites/default/files/1509_programi-255_bk_degisiklikleri_islenmis_hali.pdf**Min.project duration:** -**Max. project duration:** -**Maximum funding per project:** -**Institutional eligibility criteria:**

- Only industrial partners can be funded
- Universities and research institutes can take part as subcontractors or consultants

Institutional thematic priorities:-**Proposals with the following focus cannot be funded:-****Additional information:**

Turkish partners should apply to TUBITAK Technology and Innovation Funding Board to get their projects funded. The program that can be applied is the International R&D Grant Program (programme code: 1509). TUBITAK makes a national evaluation on the basis of the regulation and rules of the program. For further information please visit the above mentioned link and also see national call text on TUBITAK website.

- Only the industrial partners can apply to the program. Universities and research institutes are not eligible partners but they can take part as subcontractors or consultants.
- In the national evaluation, Turkish partner's contribution to R&D activities is the most important evaluation criteria. It is expected that Turkish partner involves in the R&D activities and the budget is prepared accordingly.
- Application is made simultaneously with the international joint program.
- There is no budget limit.
- The funding volume is 75% for SME's and 60% for large companies. The projects duration can be maximum the international project's duration.

United Kingdom -BBSRC



Participating organisation: Biotechnology and Biological Sciences Research Council - BBSRC

Indicative Budget: up to £2M

National Contact Person(s): Dr Anja Berndt
E-mail: cobiotech@bbsrc.ac.uk

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

BBSRC supports the ERA-Net CoBioTech call for proposals and encourages its community to apply for funding for collaborative research in the European Research Area through this call. Subject to scientific excellence, and all conditions of eligibility and peer review being fully met, BBSRC anticipates a contribution of up to £2M to the call.

All UK components submitted to this call will be subject to standard BBSRC funding criteria. The following guidance should be read in conjunction with the BBSRC Grants Guide

http://www.bbsrc.ac.uk/funding/apply/grants_guide.html

Applicants are asked to contact the BBSRC National Call Secretariat before starting to prepare proposals for submission (contact details above).

Min. project duration: -

Max. project duration: 36 months

Maximum funding per project: -

Institutional eligibility criteria:

Standard BBSRC eligibility criteria, as described in the BBSRC Grants Guide, will be applied to the UK component of applications submitted to this call. For detailed guidance, see Section 3 of the BBSRC Grants Guide, <http://www.bbsrc.ac.uk/documents/grants-guide/>. Applications must be submitted by UK Research Organisations that are eligible to receive funding from BBSRC. Information about eligible organisations is available at <http://www.rcuk.ac.uk/funding/eligibilityforrcs/>.

BBSRC will fund the UK partner of any successful transnational collaboration. Applicants should note that the New Investigator scheme does not operate in this call.

All enquiries about eligibility should be directed to eligibility@bbsrc.ac.uk

Institutional thematic priorities:

Research covering the development of generic methods for the production of high value chemicals such as pharmaceutical precursor molecules, antibiotics and recombinant biologics are within the scope of the call. If applicants are in any doubt, please contact the National Call Secretariat for further clarification. Proposals should be for a maximum of three years duration.

Proposals with the following focus cannot be funded:

Under this call, research on food, food ingredients, animal feed and work of direct medical relevance is excluded.

Additional information:

The UK academic component of applications must fall within the remit of BBSRC, which supports research into plants, microbes, animals and tools and technology underpinning biological research. While we expect projects to be multidisciplinary, the primary focus and challenges of the UK component of the project must therefore be biological rather than medical, social, environmental or on physical or chemical engineering. For more information on the research areas that BBSRC funds see: <http://www.bbsrc.ac.uk/research/science-remit.aspx>. If you are unsure if your proposal is within the remit of BBSRC, please contact the National Call Secretariat.

BBSRC strongly encourages industrial participation in projects under this scheme. BBSRC is not able to fund industrial partners, and any costs incurred, direct or otherwise, by industrial partners cannot be met by BBSRC. For further information about collaborative partnerships, see Section 2 of the BBSRC Grants Guide. The IPA and LINK schemes do not operate in this call.

Costs incurred by the UK academic partner as a direct result of working with the other consortium partners (such as visits to labs or exchange of materials) can be requested. Studentships will not be supported by BBSRC as part of this call and students should not be included on the UK component.

The UK component of applications should be costed on the basis of full economic costing (fEC) as described in the BBSRC Grants Guide. If the grant is awarded, BBSRC will provide funding on the basis of 80% of fEC. Applicants must clearly justify all the requested resources. The submitting organisations must agree to find the balance of fEC for the project from other resources. Final awards from BBSRC will be made in British Pounds (GBP); costs listed in the ERA CoBioTech application forms must be converted into Euros (EUR) using the exchange rate at the time of submission. UK applicants invited to prepare a full proposal will also be asked to complete a BBSRC proforma to ensure their proposal complies with the requirements of full economic costs.

For the UK component of successful proposals submitted this call, applicants will be required to submit an additional form through the Je-S system. Additional guidance will be provided to successful applicants. Grants will be subject to standard Research Council Grants Terms and Conditions (<http://www.rcuk.ac.uk/documents/documents/TermsandConditionsofResearchCouncilfECGrants-pdf/>)

Applicants requesting items of equipment costing over £10k should note that additional justification will be required when submitting the proposal through Je-S and that the Research Organisation will be expected to make a contribution to the cost of the equipment. Further information is available at <http://www.rcuk.ac.uk/documents/publications/equipment-guidance-pdf/>.

National Call Secretariat

Funding organisation: Biotechnology and Biological Sciences Research Council - BBSRC
Postal address: Polaris House, North Star Avenue, Swindon, Wiltshire SN2 1UH, UK

Email: cobiotech@bbsrc.ac.uk

Dr Anja Berndt

ANNEX 3: Technology readiness levels (TRL)

(as defined in the HORIZON 2020 –Work Programme 2016-2017)

- **TRL 1** -basic principles observed
- **TRL 2** -technology concept formulated
- **TRL 3** -experimental proof of concept
- **TRL 4** -technology validated in lab
- **TRL 5** -technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 6** -technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 7** -system prototype demonstration in operational environment
- **TRL 8** -system complete and qualified
- **TRL 9** -actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space

ANNEX 4: Dissemination and communication

ERA CoBioTech in partnership with the H2020 knowledge transfer project CommBeBiz (www.commbebiz.eu)

Dissemination and communication of project results is requested through **various communication routes** including scientific papers, presentations at scientific conferences, workshops, poster sessions, etc. Proper **reference** must be given to ERA CoBioTech in all related publications, exhibitions, lectures and press information. Additionally, each project proposal should go beyond dissemination and envision how it will **communicate and reach out to a more general public**.

Each project has to submit a **dissemination and communication plan** in the full proposal stage, specifying how the planned activities, including dissemination, communication and stakeholder interaction, will contribute to the impact of the project.

To fulfill the dissemination and communication plan, funded projects must dedicate appropriate resources for dissemination and communication activities, which additionally have to include **attendance at events organised by ERA CoBioTech**:

- Attendance at a Communication Workshop at the start of the co-funded projects, in which co-funded projects will be trained on communication to increase impact. With the support of CommBeBiz a communication toolbox for communicating the contents, aims and expected results of the co-funded projects will be developed.
- Attendance at status seminars on three occasions: kick-off, midterm and final seminar of funded projects, in which your co-funded projects will be asked to communicate project content, aims and expected results in a way understandable to a general public using this communication toolbox. Thus the co-funded projects will have a chance to practice and further develop their acquired communication skills.

For a well-elaborated dissemination and communication strategy, applicants are advised to:

- take into consideration also the EC guidelines on "[Communicating EU research and innovation guidance for project participants](#)"
- read the guidelines below on communication with a wider public, prepared by CommBeBiz. attend an on-line webinar provided by CommBeBiz, at which the elements of a Communication Plan and planning for development of that plan will be presented, together with an opportunity to ask questions and provide feedback (date to be communicated in due time)

Dissemination and Communication – why is this important in planning, developing, delivering and evaluating a successful research project?

Communication is here defined as the work you do and the effort you put in informing and engaging with the wider public so they are aware of the issue your research is addressing, the question you are posing, the methods you are using to answer that question and the anticipated outcomes. Communication is in addition to '**dissemination**', the latter being focused on the production of scientific papers, posters and presentations at closed scientific congresses, and work with specialist stakeholder groups. Please include both communication and dissemination activities in your plan.

Communication activities may include activities, such as development of a website and/or app, media communications programme, social media programme, videos/podcasts, infographics/project literature, creative artwork/exhibition stands, quizzes / games / serious gaming, science fairs/open houses intended for wider audiences, meetings of targeted stakeholders, training for Consortium on aspects of communication. Please consult the national annexes of your respected funding agency for potential limitations to funding certain communication activities.

There are four clear reasons **why effective communication** is an essential element of any ERA CoBioTech funded research project:

- European tax-payers are providing the funding for your research and are interested in knowing where their money goes and that they are receiving 'value for money'.
- Communicating about the relevance of your research work and its potential outcomes to society and the everyday life of citizens will help ensure that your innovations – products, knowledge, thinking – are accepted and utilised by society – not ignored, nor opposed.
- Everyone is a citizen whether President, MEP, policy-player, teacher, student, entrepreneur or industrialist who watches TV, reads the news, accesses online sources and has interests beyond their immediate

network. Effective communication raises awareness of your research project and of the professionals working on it to mutual advantage, potentially laying the ground for more funding or support.

- ERA CoBioTech wishes to ensure that the projects it selects to fund make the best use they can of the 'results' each of them generate – that means ensuring that as many groups in society know about the excellent work that is being conducted and their potential results so they will be taken up by decision-makers in policy, industry or science itself creating impact. Strategic communications programmes utilising creative but accessible actions with measurable outcomes are required to deliver this.

What is a Dissemination and Communication Plan?

It is a document that demonstrates that a Consortium has clearly thought through the rationale, target stakeholders, activities, timescales, budgets and measures incl. their key performance indicators of success behind the dissemination / communications activities it will implement as an integral part of its project plan.

Whilst each Dissemination and Communication Plan will be different, it is likely to consist of:

- a narrative (the rationale/ approach)
- a table which draws together information on priority target stakeholder groups and methods to reach them
- a timetable/GANTT chart
- a budget table with enough detail on each action/activity/product and its delivery
- a table pulling together the agreed key performance indicators or measures of success against each planned for activity.

The elements of a Communication Plan that will demonstrate clarity of thought and planning are likely to be:

- Evidence that the whole Consortium are 'on board' with the plan and that all partners will support the actions
- Focus on purpose/objective of each selected dissemination/communication action – Who is it for? What do we want to happen as a result?
- Clarity on the messages that the project wishes to communicate overall and to specific groups
- Clear understanding of what success looks like for each action
- Description of the method to be used for delivery
- Utilisation of resources and talents within the consortium
- Realistic assessment of the potential impact of each action
- Built-in time points for review and adjustment
- Appropriate focus on internal communications within the Consortium
- Appropriate utilisation of the services and channels provided by the EC

The Plan should be able to answer the following questions clearly:

- What are the objectives of our Communication Plan?
- Who are our priority audiences and why?
- When is the most appropriate time to engage with each audience and why?
- How does our Communication Plan create synergy with the rest of the project plan?
- How do we justify the budget allocated to each of our proposed communications actions?
- How are we splitting responsibility for the resources and actions across the Consortium?

For ERA CoBioTech applications the expected minimum requirements of the Communication Plan are:

- A max. two A4 page document
- A narrative on approach/rationale/contribution to the project
- A list of priority stakeholders, messages, actions & timetable
- Key performance Indicators / measures of success

A Sample Approach to a Stakeholder Table (key part of any communication plan)

The issue: we need to ensure that more young people know how to code

Why: to improve their personal employment prospects

Impact: overall economic benefit

Communication Plan – Priority Stakeholders & Actions				
Priority Stakeholder Group	What message/info	How to communicate?	When?	Success measures
Priority 1: Policy players in Education & Business	Resources required for upper schools to deliver next generation of IT stars	-Create Consensus White Paper to present to Ministers and special Committees - Secure political Ambassadors - One on one briefing meetings -Articles in business press	From Day One – complete by end of Year One	Number of one on one meetings Questions in Parliament Media coverage
Priority 2: Head-teachers/ Governors/ Proprietors of colleges	Need trained teachers to deliver the training required plus 'Train the Trainers facilities'	-Articles in the specialist education media -Identify and contribute to LinkedIn groups -Attend/speak at specialist meetings -Create database of interested parties & send occasional	Years One & Two	Number of active enquirers (no on database) New courses set up Evidence of internal cascade of issue/action Active recruitment & allocation of resources Capture of success stories for use in newsletter Media coverage
Priority 3: Teachers of students 14 -18	Become active in a new area of teaching – professional opportunity Training available	-Articles in teacher press -Social media activity: IN, twitter etc	Years Two & Three	Pick up of places on training courses Appointments in schools/ colleges
Priority 4: Students 14-18	Coding is cool See what you can do with it – it's fun but it can be profitable too Demand that you are given resources and guidance to help yourself	-Recruit student ambassadors who can code -Let them loose to use social media/channels as they choose (provide resources if needed) -Support with an event – Coding Convention template (to be taken up in many places) with col coding paraphernalia -Create matching events for students with business to demo relevance to lives/future prospects	Years Three/Four	Number of active ambassadors with 'followers' Number of new students learning code Number of successful Conventions & matching events

Guidelines for preparing a Communication Plan prepared by:

Rhonda Smith, CommBeBiz rhonda@minervacomms.net

ANNEX 5: Data management

Data management is an essential component to the success of projects using systems/synthetic biology approaches and/or bioinformatic tools. Representatives from academia, industry, funding agencies, and scholarly publishers designed and jointly endorsed a concise and measurable set of principles referred to as FAIR Data Principles⁶ with the intention to provide a guideline for reusability of data holdings. Four foundational principles – Findability, Accessibility, Interoperability and Reusability– are a necessity of data management. The EC recently published Guidelines on [FAIR Data Management in Horizon 2020](#).

Fulfilling the FAIR principles needs the use of software platforms that enable capturing, cataloguing, and annotating data, associated with well documented SOPs, and supports interlinking data from specialized, as well as local collections. Moreover, in a systems approach, well annotated models (including parameters) must be catalogued and interlinked with relevant data. Each project should have one single starting point starting at which one can find out everything about the project.

Participation in this call requires fulfilling the FAIR principles, including the use of a cataloguing platform as described above. Therefore research data and non-data assets like algorithms, tools and workflows or metadata produced in the projects funded under this call must be: (i) machine-readable (ii) citable and (iii) must be published in a registered repository and (iv) interlinked with other project outcomes in a cataloguing platform. Privacy sensitive data that cannot be published needs to be catalogued, such that the creator of the data can be easily found for possible questions and collaboration. Data that is subject to Intellectual Property for Patents needs to be recorded and published in due course.

The repository must be registered in as a “trustworthy repository” in (i) BioSharing or (ii) re3data (Registry for Research Data Repositories). For this, resources of existing community knowledge and data management platforms in Europe shall be preferably used.

No section for data management is foreseen in the template for pre-proposal.

However, the projects must consider already the cost of data management in their proposals. The help given to the applicants should enable them to (i) properly estimate what cost will be incurred by performing FAIR data management, and (ii) provide a section in the template for full proposals, in which some guiding questions help the applicants to answer the most relevant and pressing data management questions to the reviewers.

Building the data management plan should be based on existing check lists, such as the FAIRDOM checklist document: <http://fair-dom.org/knowledgehub/data-management-checklist/>.

The checklist addresses: (i) responsibilities; (ii) types of study, data and models; (iii) volume and life cycle of the data; (iv) data and model processing and access policies; and finally (v) documentation and metadata.

Answering the questions in the checklist, applicants will identify and resolve key questions about their data, models, SOPs and associated metadata. The data management plan will outline how data flows and the requirements on data, metadata, storage and data transfer throughout the project and beyond the project.

⁶ <http://www.nature.com/articles/sdata201618>

The costs associated to the data management plan (e.g. travel expenditures of staff to data management training; salary costs of staff curators; costs of servers, storage, archiving and backup) must be derived from this and clearly presented.

Guiding questions include the following:

Generate and Store

- Who will generate the data/model/SOP?
- Who will receive the data/model/SOP?
- What does the user need from the generator?
- Where will you store data/model/SOP?
- How much storage capacity will you need short term?
- How will you transfer it?
- How much will you keep for longer? Who is responsible for this step?
- How will the data be made available for processing?

Curate

- Who will curate the data/model/SOP?
- How will the data/model/SOP be interlinked?
- How is data tracked through processes?
- How are versions of models and SOPs tracked?

Access

- Are you allowed to share data?
- Where, when and how will you make the data/model/SOP available?
- Which public archives will you deposit your data/model/SOPs in?
- How will you make the project's data/model/SOPs available in a unified way through a one-stop single starting point starting at which one can find out everything about the project?

In the pre-proposal phase, these questions can be answered in a preliminary fashion.

While developing answers for the proposal, it will also become clear who is **responsible as a contact person**, for which parts of the data management of the project. This helps in defining whom to choose as data management contacts for the ERACoSysMed data management, and who would make sense for cross-project data management meetings.

Please note that data management is an ongoing activity of iterative improvement and adaptation rather than something that can be finished in one short effort. The data management plans must reflect this.

All of these points are relevant both in systems biology and systems medicine. In *addition* to the points addressed in the checklist, in systems medicine, the work with privacy sensitive data needs to be addressed. For the purposes of the proposal it makes sense to consider two groups of data: privacy-sensitive and privacy-insensitive data, and consider these independently, as well as considering:

- How can privacy sensitive data become privacy insensitive
- How can privacy insensitive data become privacy sensitive during the project's run time.

ANNEX 6: Pre-proposal template

JOINT CALL FOR PROPOSALS

Biotechnology for a sustainable bioeconomy

Deadline for submission of pre-proposals:
March 2, 2017, 13:00CET

Pre-Proposal Template

published on December 1, 2016

This template, displaying the content of a pre-proposal, is provided for information/ off-line use only.

The Word-Format of this document can be requested at ptj-cobiotech@fz-juelich.de.

The submission must be done online via www.submission-conbiotech.eu.

This call invites proposals for transnational collaborative RD&I projects from consortia involving industry, SME, stakeholder associations, universities and/or research organisations.

PLEASE NOTE:

- **The selection process consists of two phases.** Invitation to the full proposal phase is subject to a positive recommendation of the pre-proposal.
- This template, presenting the structure and content of a pre-proposal, is provided for information/off line use only. In any case the **submission must be done online** via <https://www.submission-cobiotech.eu/>.
- Pre-proposals must be submitted in **English**.
- Please check whether your national funding organisation requires any further information.
- Please note that the part "**Project description**" **should not exceed 5 pages**; (Arial 11pt, line pitch at least 1.15).
- **National/regional funding regulations will apply to this co-funded call. It is strongly recommended that these are checked with the National Contact Person at the respective funding agencies** (see *National Contact Persons* in the Call Announcement) **before submitting the pre-proposal**. Annex 2 of the Call Announcement lists specific national rules to be adhered to.

For detailed information on call topics, rules for participation etc. please see the Call Announcement at <https://www.submission-cobiotech.eu/>

Deadline for submission of pre- proposals: March 2, 2017 (13:00 CET)

ERA CoBioTech Call office

Dr. Christian Breuer (+49 (0)2461 61 96929)
Dr. Petra E. Schulte (+49 (0) 2461 61 9031)
ptj-cobiotech@fz-juelich.de
D-52425 Jülich
Germany

ERA CoBioTech Submission Webpage: <https://www.submission-cobiotech.eu/>
ERA CoBioTech webpage: <http://www.cobiotech.eu/>

COORDINATOR

Contact data	
Title	Email address
First name	Family name
Status of organisation	Website
Name of organisation/institution/company	Department
Country	
Street, no.	P.O. box (if applicable)
Zip/postal code	Town/city
Phone number	Mobile phone number
Fax number	

Tasks
Task(s) within the project <i>(max. 4000 characters incl. space)</i>

Declaration National regulations

I am aware of the national funding regulations (see guidelines for applicants).

PARTNER N

Contact data	
Title	Email address
First name	Family name
Status of organisation	Website
Name of organisation/institution/company	Department
Country	
Street, no.	P.O. box (if applicable)
Zip/postal code	Town/city
Phone number	Mobile phone number
Fax number	

Tasks
Task(s) within the project (<i>max. 4000 characters incl. space</i>)

Declaration National regulations

I am aware of the national funding regulations (see guidelines for applicants).

PROJECT DATA

Project Data	
Project title	
Project acronym	
Start date	End date
Project duration	

APPROACH

The submitted proposal will use the following scientific approach(es):

- Synthetic biology
- Systems biology
- Bioinformatic tools
- Biotechnological approach(es)

TOPIC AREA

The submitted proposal addresses the following topic(s):

- Sustainable production and conversion of different types of feedstocks and bioresources into added value products
- Development of new products, value-added products and supply services
- Sustainable industrial processes

SOCIETAL ASPECTS

The submitted proposal includes work on:

- Ethical, Legal and Social Aspects
- Responsible Research and Innovation
- Life Cycle Assessment (LCA)
- Other (please specify)

Comments: *(max. 2,000 characters incl. space)*

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TRL

The submitted proposal falls under the following TRL(s):

- TRL 1 - basic principles observed
- TRL 2 - technology concept formulated
- TRL 3 - experimental proof of concept
- TRL 4 - technology validated in lab
- TRL 5 - technology validated in industrially relevant environment
- TRL 6 - technology demonstrated in industrially relevant environment
- TRL 7 - system prototype demonstration in operational environment
- TRL 8 - system complete and qualified
- TRL 9 - actual system proven in operational environment

Justification for the TRL: (max. 3,000 characters incl. space)

PROJECT SUMMARY

*This summary might be used for communication and dissemination activities in case your project will be selected for funding. **Please make sure that it is publishable.***

The project summary should not exceed 1 DIN A4 page (Arial 11pt, line pitch at least 1.15), corresponding to ~4000 characters including space.

Project summary: (max. 4,000 characters incl. space)

PROJECT DESCRIPTION

The project description should:

- a) provide a scientific/technological overview,
- b) specify the expected project impact and relevance to the call scope,
- c) describe the added value for the European research and Innovation, and the necessary resources,
- d) provide information on the project management and responsibilities of the project partners and,
- e) give a short overview of the division of the collaborative project into work packages.

The project should be in line with the requirements stated in the call text. The space is limited to 20,000 characters including space (~ 5 pages DIN A4, Arial 11pt, line pitch 1.15). Implementation of up to three graphics/images is allowed and possible (allowed formats are jpg, png or gif, max. resolution 600x600px, max. file size 2MB). No additional documents will be considered.

Project description: (max. 20,000 characters incl. space)

ETHICAL COMPLIANCE

The societal and ethical aspects must be addressed. Proposals may be rejected from funding on ethics grounds if they do not comply with the European and national/regional legislation.

Societal and ethical aspects of the project: (max. 4,000 characters incl. space)

LETTER(S) OF COMMITMENT

Partners from countries not participating in the call may participate in a project at their own expense, if their contribution is important to achieve the project goals. The same applies for partners who are not eligible for national/regional funding from the agencies participating in this call.

Please upload for each of these partners a letter of commitment via the Upload Field of the submission tool. Compile all the required documents into one pdf.

Upload field: (Max allowed file size: 5 MB)

KEYWORDS

Supplementary keywords: (Maximum 5 keywords related to your project, separated by comma.)

BUDGET PLAN

Attention: There are two tables! The submission system does not allow to fill the last three columns of the table General budget overview (calculated automatically).

Please do not forget to include the travel costs for the KickOff workshop and the Midterm and Final Status Seminars and the costs for Data Management and Communication/Dissemination activities.

General budget overview Please enter all values as integers (whole numbers, 0-9) in k€ (1k€ = 1000 €).

Organisation name	Personnel	Travel	Consumables/ Equipment	Subcontracts	Requested Funding	Total Own Contribution	Total Costs
Overhead							
Overhead							
Overhead							
Overhead							
Overhead							
Overhead							
Overhead							
Overhead							
Overhead							
Overhead							
Total							

Own contribution Please enter all values as integers (whole numbers, 0-9) in k€ (1k€ = 1000 €).

The submission system does not allow to fill the last column of this table. It is calculated automatically and its values will be automatically transferred to the table above, column "Total Own Contribution".

Organisation name	Personnel	Travel	Consumables/ Equipment	Subcontracts	Other	Total Own Contribution
Total						

COMMENTS ON BUDGET

Please give for each consortium member an overview how the budget is calculated, e.g. how many PhDs, PhD students or technicians will work for which time period within the project, which consumables/equipment are required, which work will be subcontracted and why, and - if already possible - to whom.... Give also an estimation about the costs for Data Management and Communication/Dissemination activities.

Personnel (max. 1,000 characters incl. space for each organisation)

Name of organisation	

Travel (max. 1,000 characters incl. space for each organisation)

Name of organisation	

Consumables/Equipment (max. 1,000 characters incl. space for each organisation)

Name of organisation	

Subcontracts (*max. 1,000 characters incl. space for each organisation*)

Name of organisation	

End of document

ANNEX 7: Full proposal template

Full Proposal Template

will be published on

www.submission-conbiotech.eu

by December 9, 2016

This preliminary template will display the content of a full proposal and will be provided
for information only.