

2019 Joint Call of the ERA-NET Cofund on Food Systems and Climate



Addendum

Deadline for submission of pre-proposals: February 19th, 2020, 17:00 h (CET)

Deadline for submission of full proposals: 15th November, 2020, 17:00 h (CET)

The submission must be done online via <https://ptoutline.eu/app/fosc>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 862555.

KEY INFORMATION

The new Horizon 2020 ERA-NET-Cofund ‘Food Systems and Climate’ (FOSC): Assessing the impact of climate change on food and nutrition security and designing more sustainable and resilient food systems in Europe and beyond’ (EC Grant 862555) launched its trans-continental call for research proposals in the field of food systems and climate. This call is one of the actions of the Implementation Plan of FACCE-JPI. After LEAP-Agri (ERA-NET Cofund 2016-2021), FOSC will also contribute to the HLPD EU/Africa roadmap ambition to “align, under a common vision, existing joint R&I activities” in the long term.

The joint call – with an indicative budget of approximately **€16 million** including EC top-up funding – brings together 24 funding organizations of 20 countries from 3 continents.

The aim of the Call is to support scientifically excellent, trans-continental research, development and innovation projects that contribute to the knowledge base on food systems and climate change.

The joint call will support **basic** and **applied** research and is focused on the interactions between climate and food systems: assessing the consequences of climate change on agri-food markets and developing sustainable and resilient food value chains in the context of changing food needs and patterns (diets).

The submitted proposals must be multidisciplinary and should address **at least one** of the following topics:

It is highly recommended to address transdisciplinarity in the proposed projects.

- Assess climate change-related risks for food value chains, including impacts on producers, prices, availability, quality, international trade and food security, and resulting changes in consumer behaviours;
- Promote innovative technology deployment to build sustainable and resilient food value chains influenced by changing food needs and patterns, and to develop better efficiency of the inputs and outputs of food systems;
- Improve resilience and reduce volatility in agri-food production and food markets to sustainably improve food security in the context of climatic variation;
- Reduce food losses under climate change, including novel approaches to valorise side streams and reduce food waste.

Applications must be submitted by project consortia that consist of research teams from a minimum of 4 countries from 2 continents (Europe, Africa or Latin America): at least 2 European countries (EU members and H2020 associated countries) and at least 2 from Latin American and/or African countries participating to the Call.

The joint call was pre-announced on November 4th, 2019, and opened on December 20th, 2019, and follows a two-stage procedure with the pre-proposal deadline on February 19th, 2020, 17:00 h (CET), and full proposal deadline on 15th November 2020, 17:00 h (CET). Applicants are advised to check the FOSC website for the latest version of the Call Document and of the National and Regional Funding Regulations. Furthermore, applicants must contact their funding organizations contact person to inform about the intended application and to be informed about national or regional requirements.

FOSC Submission Webpage: <https://ptoutline.eu/app/fosc>

FOSC website: www.foscera.net

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Document versions

Version 1 is published on August 17, 2020.

Version 2 (changes on p 9) is published on October 20, 2020.

1. Context and scope

Challenge

Today's world faces one of the biggest challenges of the 21st century: how to feed 9 to 10 billion people by 2050. Meeting this need based on current patterns of food consumption and production will increase the pressure on already scarce natural resources. Food is essential for all human beings; global peace and stability are largely underpinned by the ability to provide healthy diets for all. Sustainable food and nutrition security in a changing world is thus an increasingly urgent challenge. This is due to the combined effects of increasing natural resource scarcity (e.g. water, soil), environmental degradation (e.g. loss of biodiversity), the need to reduce greenhouse gas emissions, changing demographics and wealth, migration and geopolitical instabilities. Climate change represents an additional threat, and is already undermining agriculture and food systems in many regions, making it more difficult to achieve food security and nutritional goals, and to reduce poverty. Climate change will affect food systems globally and is a major issue for all countries. However, impacts on low-income countries are expected to be particularly strong.

The above trends make it clear that we cannot continue to adopt a 'business as usual' approach if we are to develop and implement sustainable and resilient solutions. We have to address the challenges and related national commitments that lie at the heart of the Paris Agreement on Climate Change and the UN Sustainable Development Goals (SDG). Ensuring Food and Nutrition Security in the long-term, while containing global warming within 1.5 or 2°C, will require a societal-level and systemic transformation of our current-day, predominantly short-term vision of food systems. This transformation will also require a change in culture, including the transformation of education and training, and an overall change in consumption patterns and citizens' behaviour.

The implications for the food system as a whole – including production, processing, retail, consumption, waste disposal, regulatory, institutional and social environment, ecosystems / biodiversity, and human nutrition and health – require the combination of:

- incremental adaptation (precision agriculture, remote sensing, increased efficiency, waste reduction, etcetera);
- systemic adaptation (soil and water resources conservation, increased use of genetic diversity, etcetera);
- transformative adaptation (redesign of farming systems, agro-ecology, agroforestry, supply chain transformation, dietary shifts, etcetera).

Concurrently, we must ensure that food systems are robust to the impacts of climate change, for example on food availability, quality, or price. Furthermore, both co-benefits and adverse side-effects may exist between climate change adaptation and mitigation. The idea of "climate-smart" food systems is an integrated approach to dealing with the natural, technical, economic and social aspects of several interlinked activity areas of primary agriculture, food production and processing, retail and consumption, and food waste.

Transforming our food systems from farm to fork provides an opportunity to develop approaches, technologies and business models that will concurrently improve environmental and health aspects, sustainability, employment opportunities, prosperity, equity and the wellbeing of human communities.

Call scope

FOSC brings together owners and managers of national and regional R&D&I programmes of EU Member and EU-associated States, African States and Latin American States with significant experience in research funding and coordination.

FOSC aims to connect research partners with different but complementary scientific and technological expertise to maximise resources and share risks, costs and skills. Funding under FOSC's co-funded Call will support basic and applied food systems and climate research.

The aim of the Call is to support scientifically excellent, trans-continental research, development and innovation projects that contribute to the food systems and climate change. The call for proposal is focused on the interactions between climate change and food systems: assessing the consequences of climate change on agro-food markets, developing sustainable and resilient food value chains, influenced by changing food needs and patterns (diets).

The call for proposal takes into account regional and global issues, and challenges related to resilient food systems, with the aim of promoting cooperation and strengthening regional capabilities. For this purpose, research funding bodies from Africa, Europe and Latin America are jointly funding collaborative research projects with a focus on food system resilience to climate change. Key areas for research include the biophysical, social, cultural, economic and environmental dimensions of food system resilience, the roles of regional food supply and demand patterns, and the role of food losses and waste management.

Climate change will affect food systems globally and is a major issue for all countries. Specific focus is put on the socio-economic impacts of climate change and their consequences on different regional food systems, including price volatility and the territorial dimension regarding access to nutritious foodstuffs. Integration between outcomes of projects with a regional focus should allow global processes to be addressed.

Projects will aim to develop risks analysis focusing on vulnerabilities of food systems faced with climate change, including expected changes in supply chains, and proposing low carbon footprint solutions (technological and/or non-technological). Increased knowledge about the health benefits of food with low carbon footprint, as well as more knowledge about the climate impact of food is also likely to influence consumer preferences and dietary choices.

Regional food systems resilience under climate change will be further affected by the frequency and the intensity of extreme weather events (heat waves, heavy precipitations, droughts, etc.) and by the timing of these events during the agricultural production cycles (crop phenology, sowing and harvest dates, etc.). This may also affect the epidemiology of plant and animal pests and pathogens, crop and livestock losses, as well as post-harvest losses. There is, therefore, a need to integrate climatic variability and extreme events into the study of food systems, to understand the impact upon food security, safety and resilience to climate change.

Climate change will have impacts on agriculture production in terms of quality (e.g. micronutrients), availability, price and affordability of food. This will influence the demand, the diets and likely also the preferences of consumers, as they adapt to changes. Climate change impacts on food production can also be indirect through international trade and various price effects. They will likely lead to policy measures being taken, to prevent undernourishment or (worst case) famines and on the other hand to

reduce obesity, to ensure reformulation, healthy diets and sustainable food production. Projections of food systems resilience should encompass these dimensions and consider the design of local, regional and global solutions.

Project research areas

The projects have to contribute to food security and safety, to increase resilience and sustainability of food systems. They have to promote enabling conditions to reduce poverty and inequalities.

To fully consider food security across its four pillars (availability, access, utilization, and stability¹), the assessment of risks, possible scenarios and solutions must include access to healthy and safe food. Variability and uncertainty also have to be taken into account. These estimations are required at fine temporal scale, as food security be progressively eroded by medium-term stressors, but can also fail catastrophically in a short term (sub-annual timescale). What may be perceived as unsubstantial changes in food price can, when coupled with reduced income, lead to increases in the real food price and possible detrimental impacts for health. At the regional or national level, the proportion of the population impacted by these changes may be non-linear, due to the uneven distribution of income.

The submitted proposals must be multidisciplinary and should address **at least one** of the following topics :

It is highly recommended to address transdisciplinarity in the proposed projects.

- Assess climate change-related risks for food value chains, including impacts on producers, prices, availability, quality, international trade and food security, and resulting changes in consumer behaviours;
- Promote innovative technology deployment to build sustainable and resilient food value chains influenced by changing food needs and patterns, and to develop better efficiency of the inputs and outputs of food systems;
- Improve resilience and reduce volatility in agri-food production and food markets to sustainably improve food security in the context of climatic variation;
- Reduce food losses under climate change, including novel approaches to valorise side streams and reduce food waste.

Regarding all topics, applying research consortia should clearly state how their project aims will be relevant and/or contribute to the UN Sustainable Development Goals ([SDG](#)) and Paris Agreement on Climate Change.

Projects must be well embedded in **a food system approach**, also including interactions and interdependencies between actors. Understanding the interdependencies between actors and their activities is important in terms of how actions towards one actor's objectives may create a feedback reaction from other parts of the food system, which again influences future actions and outcomes (desired and/or undesired). This should help to identify effective levels for change, i.e. where to plan

¹ Food security exists when all people, at all times, have physical, social and economic access to sufficient, safe and nutritious food that meets their dietary needs and food preferences for an active and healthy life. The four pillars of food security are availability, access, utilization and stability. The nutritional dimension is integral to the concept of food security (Committee on World Food Security-FAO Reform Document 2009).

interventions in a system to maximize positive outcomes and minimize negative feedback and outcomes.

Different scales should be addressed in the proposals:

- For the spatial scales, it is suggested to combine local case studies (e.g. farm scales) and projections at the regional level. Comparisons between different regions will be welcome as well as global assessments.
- For the time scales, the 2050 time horizon will be selected. Transitions between current conditions and those in 2050 will be studied considering relevant scenarios that integrate multiple drivers, including climate trends and climatic variability with special attention to risks caused by extreme weather events and demographic evolution.

Three main geographic regions targeted will be Africa, Europe and Latin America. Global approach will be considered too.

2. Funding organizations and funding modalities

The national and regional funding bodies participating in this joint call are listed in the table on the next page with **indicative budget** (in Euro) allocated by the funding body. The total indicative budget is approximately **€16 million including EC top-up**. All funding organizations participating in this joint call are a member of the FOSC ERA-NET Cofund consortium, except the Ministry of National Education, Professional training, Higher Education and Scientific Research from Morocco and PASRES from Ivory Coast. The Moroccan Ministry and PASRES join this call as external funding partners, providing eligible organisations from Morocco and Ivory Coast the opportunity to be part of FOSC research project consortia within the context of the general call requirements.

Further information about the indicative budgets, requirements and eligibility criteria are described in the National and Regional Funding Regulations. ***Please carefully check these Regulations, because some of the topics described below may not apply for all funding bodies.***

Funding will follow the **nationality principle** meaning each participating national or regional funding organization will fund its respective national or regional research partners in a particular project consortium. Note that the budgets of the participating funding national or regional funding organizations differ, which limits funding possibilities for lower ranked proposals.

Project budgets must convincingly allow the achievement of the project goals and must not exceed national or regional funding limits for each partner.

In addition, applying research consortia are encouraged to interact and include partners of the private sector (e.g. SMEs), stakeholders and/or end-users while preparing the proposal and carrying out the project. Where possible, SMEs and other stakeholders should be encouraged to participate in the consortia, to enhance impact, facilitate knowledge exchange and uptake of results to deliver measurable benefits to Food Systems and Climate research in Europe, Africa and Latin America. However, the inclusion and support of any type of stakeholder as an active partner in the research consortia depends on the funding regulations defined by the national and regional funding organizations.

Funding organizations from Europe		
BELGIUM	The Research Foundation – Flanders (FWO)	€ 700.000
BELGIUM	Fund for Scientific Research FNRS (F.R.S.-FNRS)	€ 200.000
FRANCE	National Research Agency (ANR)	€ 2.000.000
GERMANY	Federal Ministry of Food and Agriculture (BMEL), represented by Federal Office for Agriculture and Food (BLE)	€ 1.000.000
HUNGARY	Ministry of Agriculture (AM) and National Research, Development and Innovation Office (NKFIH)	€ 200.000
INTERNATIONAL ORGANIZATION	International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM-IAMB)	€ 210.000
IRELAND	Department Of Agriculture, Food And The Marine (DAFM)	€ 500.000
ITALY	Ministry of Agriculture, Food and Forestry Policies (MIPAAF)	€ 600.000
THE NETHERLANDS	Ministry of Agriculture, Nature and Food Quality (LNV)	€ 1.000.000
NORWAY	The Research Council of Norway (RCN)	€ 2.000.000
SWEDEN	Research Council for Environment, Agricultural Science and Spatial Planning (FORMAS)	€ 1.500.000
TURKEY	The Scientific and Technological Research Council of Turkey (TÜBİTAK)	€ 600.000
UNITED KINGDOM	The Secretary of State for Environment, Food and Rural Affairs (DEFRA)	€ 350.000
Funding organizations from Africa		
ALGERIA	Ministry of Higher Education and Scientific Research (MESRS)	€ 400.000
BURKINA FASO	National Fund for Research and Innovation for Development (FO.N.R.I.D.)	€ 100.000
EGYPT	Ministry of Higher Education and Scientific Research (MHESR)	€ 400.000
IVORY COAST	Strategic Support Program for Scientific Research (PASRES)	€ 100.000*
KENYA	Ministry of Education Science and Technology (MOEST)	€ 300.000
MOROCCO	Ministry of National Education, Professional training, Higher Education and Scientific Research (MENFPESRS)	€ 400.000*
SENEGAL	Ministry of Higher Education, Research and Innovation (MESRI)	€ 100.000
SOUTH AFRICA	National Research Foundation (NRF)	€ 295.000
Funding organizations from Latin America		
HONDURAS	Honduras Foundation for Agricultural Research (FHIA)	€ 226.000
PANAMA	National Secretary of Science, Technology and Innovation (SENACYT)	€ 27.000

*not eligible for top-up

Projects are required to consider the following principles:

- All project partners should contribute to, and benefit from, 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 used in, and generated during, joint research and development.

- Each full proposal must include a one-page Data Management (DM) Plan to ensure the availability of data generated by the research proposed. Applicants are encouraged (but not obliged) to utilise available DM services.
- Each pre-proposal must allocate an appropriate budget for communication, dissemination and valorisation of the results, whereas each full proposal must also include a one A4-page plan for communication, dissemination and valorisation of the results and an appropriate budget for those activities. Exploitation of the project results can aim at different target groups, support policy makers, and be used in industry and/or education, *etc.*, as appropriate particularly from applied research proposals. Applicants are advised to take into account the guidelines given in the EU publication “Communicating EU Research & Innovation - A guide for project participants” ([link](#)). Furthermore, applicants are advised to take note of the guidelines for the FOSC research projects in the FOSC Communication and Dissemination Strategy, which will be available on the FOSC website before the full-proposal stage, and to take into account the guidance given in Annex 3 of this document.

3. Timeline

The call involves a two-step procedure with submission and selection of pre-proposals and, subsequently, invitation of shortlisted consortia to submit full proposals. The respective time schedule and activities required are listed in the table below.

Date	Action
4 th November 2019	Pre-announcement Co-funded Call
20 th December 2019	Launch of the call
19 th February 2020	Deadline pre-proposals
17 th August 2020	Eligible pre-proposals are invited for 2 nd step
15 th November 2020	Deadline full proposal
2 nd March 2021	Applicants are informed of the selection results + start of national negotiation
March 2021 – June 2021	Start of projects

4. Call secretariat

The Call Secretariat will provide administrative and technical support to applicants regarding the call, call documents and procedures. It is the primary point of contact between the research project consortium and the FOSC funding bodies for all general matters in relation to the call.

Federal Office for Agriculture and Food (BLE, DE)

Natascha Orthen, natascha.orthen@ble.de, 0049 228 6845 3268

Johannes Bender, johannes.bender@ble.de, 0049 228 6845 3610

Office hours Mon-Fri 9AM-4PM (CET).

The National and Regional Funding Organizations Contact Persons are supporting the Call Secretariat and should be contacted for all matters regarding national / regional regulations and funding. It is strongly recommended to get in touch with your National or Regional Funders Contact Person in order to limit procedural errors.

5. FOSC general eligibility criteria

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

- Consortia must include a minimum of 4 countries from 2 continents (Europe, Africa, Latin America): at least 2 European countries (listed in *Funding organizations from Europe* p. 8) and at least 2 from Latin American and / or African countries participating to the call². It is mandatory to have at least 3 partners eligible for European funds.
- Pre-proposals and full proposals must be written in English.
- Pre-proposals and Full proposals must be submitted before the submission deadlines mentioned page 1 of this document via the FOSC submission website <https://ptoutline.eu/app/fosc>.
- The project duration **must not exceed 3 years** (36 months).
- The funding requested by applicant(s) from a single region/country cannot represent more than 70% of the funding requested by the consortium.
- The coordinator of any applying consortium must be from an organization that is eligible for funding from one of the agencies participating in the call, i.e. an organization that plans to participate at their own expense, without public funding provided via the FOSC joint call, can't act as coordinator.

Funding is subject to national/regional eligibility regulations (see “National and Regional Funding Regulations”) and project partners should check their eligibility for funding prior to submission. Legal entities from these countries are eligible for participation, over and above the minimum eligibility conditions, and that applicants should contact the national funding bodies for possible national support.

If national or regional forms are required, these must be submitted directly to the national or regional agency by the deadlines stated in the national or regional funding regulations.

Requirement for Letters of Commitment of partners participating at their own expense.

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 Commitment). The same applies for partners who are not eligible for or do not seek national/regional funding from the agencies

² Please note that until the UK leaves the EU, EU law continues to apply to and within the UK, when it comes to rights and obligations; this includes the eligibility of UK legal entities to fully participate and receive funding in Horizon 2020 actions such as those called for in this work programme. Please be aware however that the eligibility criteria must be complied with for the entire duration of the grant. If the UK withdraws from the EU during the grant period without concluding an agreement with the EU ensuring in particular that British applicants continue to be eligible, they will no longer be eligible to receive EU funding and their participation may be terminated on the basis of Article 50 of the grant agreement.

participating in the Call. Partners participating at their own expense do not count towards the minimum number of participants.

The Letters of Commitment of partners participating at their own expense are part of the application and should be uploaded in the field for letters of commitment in the electronic submission form before submitting the application. The letter must be signed by an authorized representative of the organization. In case of failure in providing such commitment at pre-proposal submission stage, an applicant could be regarded as ineligible, jeopardizing the whole research consortium. Organizations are allowed to use their own templates, however the content of the letter as provided hereunder should be regarded as the minimum requirement.

From: Address of organization | Name and coordinates of contact person

To: FOSC Call Secretariat Office | BLE | Unit 325 - European Research Affairs, Federal Office for Agriculture and Food (BLE), Deichmanns Aue 29, D-53179 Bonn | Germany

We hereby confirm that **organization** has sufficient resources and is committed to participate to the project **project title**, in accordance to the pre-proposal which is submitted by **coordinator** in the frame of the FOSC co-funded Call on Food Systems and Climate and in case the full proposal is selected for funding by the FOSC Steering Committee.

In addition, in case of separate source of funding: Please find attached to this letter a commitment from **funding organization** for our contribution to this project.

Signature of **Name and affiliation**

6. Submission of pre-proposals

Pre-proposals must be submitted by **February 19, 2020 (17:00 CET)** via the FOSC submission website <https://ptoutline.eu/app/fosc>.

No other methods or means of submissions will be accepted. It is possible to save versions when filling the pre-proposal form. However, once you have submitted the pre-proposal, you can't alter it any more.

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

Please follow the instructions on the website to submit the pre-proposal.

The application should be submitted by the project coordinator on behalf of the project consortium (see below).

The project coordinator

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

- The project coordinator will lead the consortium through the application procedure and is fully responsible for the overall project coordination.
- The project coordinator has to make sure the project complies with FOSC requirements as detailed above. While all partners should resolve possible queries with their respective national or regional funders, the project coordinator has a responsibility to coordinate these activities in close contact with the FOSC Call Secretariat and the contact persons of his/her national or regional funding organization.
- All communication with FOSC concerning the project will be through the project coordinator. Consequently, the project coordinator has to disseminate information provided by FOSC to all consortium partners.
- Before submission of a pre-proposal the coordinator has to make sure that all consortium partners requesting funding from FOSC are eligible for support from their respective national or regional FOSC funding bodies. For additional partners who are not eligible for support from at least one of the FOSC funding organizations (e.g. international partners from non-FOSC countries) the coordinator has to ensure that each of these partners possess the required financial security to fulfil their tasks within the project via a letter of commitment/support. This letter can be uploaded as pdf file (max. 3 MB size) only by the coordinator in a separate upload field in the submission system. **Consortia have to be aware that failure of one partner within the consortium to meet the national/regional eligibility criteria and/or lack of letter of commitment of partners who require it will result in the rejection of the entire proposal. It is therefore strongly recommended that the project coordinator verifies that the project partners contact their National/Regional Funder Contact Person in order to check their eligibility.**

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

Use of the online submission tool

It is the duty of the coordinator to enter the data online. The application must follow the Submission User Manual available on the submission website.

The project coordinator has to list all partners of the consortium and upload all relevant documents. These include inter alia all contact details, financial details, person months, sources of funding, the project description, CVs of the coordinator, work-package leaders and other main contact persons and industry involvement.

The project description should:

- provide a scientific/technological overview,
- specify the expected project impact and relevance to the call scope,
- describe the added value for the European, African and Latin American Research and Innovation,
- describe the necessary resources,
- provide information on the project management and responsibilities of the project partners and give a short overview of the division of the collaborative project into work packages,

- be in line with the requirements stated in this document (in particular in sections 1, 2 and 6),
- have a “Project description” that is limited to 5 pages (DIN A4, Arial 10 pt, line pitch at least 1.15) in the pre-proposal phase. No additional documents will be considered.

Note: Although no specific description of the data management of the proposed project is foreseen in the pre-proposal, the consortia must consider the costs for data management, communication and dissemination activities in their proposals. Please also check the National and Regional Funding Regulations, if these costs can be covered by your funding body.

In addition, in order to exclude individual conflicts of interest, the applicants are encouraged to provide a maximum of two persons (e.g. direct competitors), who should be excluded from reviewing the proposal. The full name(s), affiliation (research institution, organization) and reason for refusal of the expert(s) has to be provided during proposal submission. The information will be confidentially treated.

It is strongly recommended to save regularly the changes in order to avoid any data loss. For security issues, an automatic logout is set up within this tool.

Data entered by the coordinator in the FOSC submission tool will be saved in a database and will be used to generate the pre-proposal document. The pre-proposal document is available, for information only, at any time for download and provides an overview of all entered data (it is not required e.g. to print it and send a hardcopy to the Call secretariat).

Applicants should note that **information given in the pre-proposal is binding and cannot be changed in full proposals**, in particular, neither the composition of the consortia nor the funding requested by each partner in the second step unless explicitly requested by a Funding body or the International Expert Panel.

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

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

For any technical questions regarding the submission, please contact the Call secretariat.

7. Eligibility check of pre-proposals

After the submission deadline all pre-proposals will be checked against different eligibility criteria:

- **General eligibility criteria:** The pre-proposal must comply with the call eligibility criteria mentioned in section 5 will be checked by the Call Secretariat.
- **National/regional eligibility criteria:** All project partners involved in an application have to assure that requested costs and thematic areas are in line with the respective national eligibility criteria published in the “National and Regional Funding Regulations”. In case of uncertainties regarding the national criteria and regulations, please contact your National or Regional Funding Organization Contact Person. Will be checked by the Funders.
- **Ethical issues:** Work involving the use of animals or humans should be carried out under the appropriate authorization taking into account local ethical requirements. Any proposal, which

seems to contravene fundamental ethical principles, shall not be selected, and may be excluded from the evaluation and selection procedure. Judgment of the significance of ethical issues will be made by using the criteria published by the Commission in its guidelines for the Horizon 2020 Framework Programme ([link](#)).

Before submission of a pre-proposal the coordinator has to make sure that all consortium partners requesting funding from FOSC are eligible for support from their respective national or regional FOSC funding bodies.

Applicants who are not eligible for funding by their national funding body or applicants from countries not participating in the Call are welcome to be partner in a research consortia on their own costs, they cannot be Coordinator and are not counted for the required minimum number of partners

For additional partners who are not eligible for support from at least one of the FOSC funding organisations (e.g. international partners from non-FOSC countries) the coordinator has to ensure that each of these partners possess the required financial security to fulfil their tasks within the project via a letter of commitment/support (LoC). This letter can be uploaded as pdf file (max. 5 MB size) only by the coordinator in a separate upload field in the submission system under <https://ptoutline.eu/app/fosc>. Consortia have to be aware that failure of one partner within the consortium to meet the national/regional eligibility criteria and/or lack of LoC will result in the rejection of the entire proposal. It is therefore strongly recommended that the project coordinator verifies that the project partners contact their National Contact Points in order to check their eligibility. In case one partner of the project consortium appears not to be eligible, the Call Steering Committee, which consists of all FOSC funding bodies, will reject the pre-proposal.

Pre-proposals which are eligible in terms of the formal and national eligibility criteria will be identified. Pre-proposals which meet these criteria will be invited to submit a full proposal.

8. Selection of pre-proposals

The FOSC Call Steering Committee will invite eligible proposals for the second application step.

Applicants are informed that while performing this selection, the FOSC Call Steering Committee will strive to achieve a maximum oversubscription factor of 3 per funding body, of 2 for funding bodies not eligible to top-up.

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 body in that call.

The FOSC Call Secretariat will inform the project coordinators of the results of the first assessment step via e-mail from beginning of 17th August 2020. Coordinators of selected pre-proposals will be invited to submit a full proposal via the FOSC submission website.

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

9. Submission of full proposals

Only research consortia which have successfully passed the first step will be invited to submit a full proposal. The deadline for submitting full proposals is **15th November, 2020 (17:00 CET)**.

The basic project data, such as project title, project acronym, project area, project duration, consortium composition, project coordinator, TRL level, total requested funding, requested funding by each partner etc., provided in the pre-proposal cannot be changed in the full proposal phase. The information provided in the pre-proposal will be automatically imported into the full proposal.

Completing the full proposal form

- Please check the information given in your full proposal and make sure it is correct.
- No changes in the core data submitted with the pre-proposal are allowed. If you feel that any changes are necessary, please contact the FOSC Call secretariat for approval.
- Please follow the template and be aware that the project description should allow the evaluators to assess properly all evaluation criteria as laid down in this Call Document.
- Your full proposal must include a Data management plan **(one A4 page)**.
- Your full proposal must include a Plan for Communication, Dissemination and Exploitation of the Results, reaching out to the wider public **(one A4 page)**.
- The project description is limited to a maximum of 20 DIN A4 pages (font size at least Arial 10 pt, line pitch 1.15). Up to 1 additional DIN A4 page (Arial 11 pt, line pitch at least 1.15) is foreseen for the publishable project summary. Different subsections may vary in length. No additional documents will be considered.

Additional information for the submission of full proposals (guideline and template) will be available with the invitations for full proposals and published on the submission platform.

It is **NOT** possible to submit your proposal several times, but you can save versions in between. The old version will be replaced electronically by the newest version until the deadline. Once submitted, you can't apply changes anymore.

10. Eligibility check of full proposals

General eligibility criteria and national / regional eligibility assessed at the stage of pre-proposal will be checked again at the stage of full proposal as mentioned at **point 5, point 7 and point 9**.

11. Expert evaluation of full proposals

Full proposals that are eligible according to the above stated eligibility criteria, submitted correctly and within the deadline will undergo peer-review evaluation by an international panel of experts with relevant expertise in the scientific field(s) concerned. Each expert is independent and no Conflict of Interest will exist in relation to the proposal evaluated. Each proposal will be reviewed by at least three independent external reviewers/experts from different institutions. The composition of the

international evaluation panel is decided by the FOSC Call Steering Committee. Full proposals are subjected to a thorough quality assessment according to the evaluation criteria:

❖ **Excellence**

- Clarity and pertinence of the objectives
- Soundness of the concept
- Credibility and quality of the proposed methodology
- Quality and expertise of the consortium as a whole
- Degree of novelty and innovation of the proposed approach

❖ **Impact**

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

- Economic aspects
- Environmental aspects
- Societal aspects such as Ethical, Legal and Social Aspects (ELSA)
- Transcontinental added value
- Knowledge generation

❖ **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.

For full proposal stages 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 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**. Thresholds will only apply during the full proposal evaluation.

At the end of the evaluation process, the evaluators will decide on one final ranking list of proposals based on the marks and evaluation reports. The IEP will also deliver a consensus evaluation reports to be sent to applicants for each proposal.

12. Redress right

All applicants have a right to a redress procedure if they feel that their proposal or participation was unlawfully (including unequal treatment) rejected for inadmissibility/ineligibility or the evaluation of their proposal was not carried out properly (including unequal treatments). Applicant may submit a request in writing, up to 7 days after receiving the eligibility/evaluation result at the end of each stage (first or second stage). The redress requests must be addressed to the Call Secretariat of FOSC. Requests must be related to the evaluation process, admissibility or eligibility checks (including cases of unequal treatments of applicants) as described in this document.

The independent observer will examine requests for redress for general eligibility. This procedure is concerned with the evaluation and/or eligibility checking process. The independent observer will not call into question the scientific or technical judgement of appropriately qualified experts. In the case of the national eligibility, the respective funder will examine the redress.

Applications which were originally considered ineligible, but which the independent observer found to be eligible will enter the evaluation process. This will not lead to a change of the deadline for the full-proposal submission.

If an application was evaluated and found not to be fundable, but the independent observer upholds the redress request, a re-evaluation will only be carried out if the shortcoming in the evaluation process affects the final decision on whether to fund it or not. This means, for example, that in cases not affected by unequal treatment, a problem relating to one evaluation criterion will not lead to a re-evaluation if a proposal has failed anyway on the other criteria. The evaluation score following any re-evaluation will be regarded as definitive. It may be lower than the original score.

Only one request for redress per proposal will be considered by the independent observer. All requests for redress will be treated in confidence and will not prejudice future applications to the ERA-NET.

13. Selection of projects to be funded

Based on the ranking list and the available funding, the FOSC Call Steering Committee will decide which projects will be recommended for funding according to national and/or regional budget availability. The final decisions will be made according to the national rules of the involved funders.

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

14. Confidentiality and conflict of interest

In order to avoid any conflict of interest no Funding body of FOSC will be involved in the evaluation procedure.

The proposals will be handled confidentially by the FOSC Call Secretariat, by the national / regional Funding bodies and the mandated experts responsible for the evaluation of the proposal. In selecting the international experts for the IEP, the Call Steering Committee shall also endeavour to avoid any possible conflicts of interest. The experts' confidentiality and impartiality agreements will be collected before they get access to the full proposals.

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

15. Obligations for funded projects

Ethical aspects

Ethics is an integral part of research activities funded by the European Union within the H2020 and ethical compliance is considered as pivotal to achieve research excellence. This FOSC call is co-funded by the European Union, and therefore, all proposals must describe ethical issues raised and how they will be addressed so as to conform to National, European and International regulations. Guidance on ethics within H2020 is provided in the H2020 online manual and a guideline for self-assessment can be found [here](#) and applied to this Call.

Terms of participation

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

Contractual Relationships

FOSC is a collaboration between national / regional funding bodies with the aim of establishing transnational research collaboration. The contracts with researchers and industries are in the responsibility of the national / regional funding bodies as well as the funding procedures. Because of the fragmented nature of the funding, care will be taken to ensure that the individual contracts are synchronized both in time and content, so that the project consortium can deliver transnational outputs as described in the project proposal. The national funding bodies have to ensure that common FOSC conditions are met (e.g. common start date of a given project, reporting requirements etc.).

Start and end dates of projects

A project can start when all national contracts have been concluded. Once the national contracts come into force, eligible national costs may be claimed according to the national procedures. Projects should start between March 2021 – June 2021. In any case, projects must finish by **30th June 2024**.

Funding Contracts

For the whole duration of the contract it is the responsibility of the Project Coordinator to inform the FOSC consortium about any changes of the project, i.e. modifications of the work plan, the project consortium or the contract. The communication should be transmitted through the FOSC Monitoring and Evaluation Group for approval. Any financial issue is under the responsibility of each national funding body involved in the approved project.

Consortium Agreement

For some Funding Parties, a signed Consortium Agreement might be required for release of the national/regional funds. It is strongly recommended that all successful consortia should therefore negotiate and sign a **Consortium Agreement** before commencement of the project. This should address at least the following topics:

- internal organisation and management of the consortium
- intellectual property arrangements
- settlement of internal disputes.

Support for the preparation of a Consortium Agreement can be found on the DESCA webpage (<http://www.desca-2020.eu>): the form was developed for H2020 projects and will have to be adjusted to this Joint Call.

Intellectual Property Rights, use and access to results

Results and new Intellectual Property Rights (IPR) arising from research projects funded through the FOSC Call will be owned by the project partners according to the conditions stated in their Consortium Agreement and shall not be in conflict with the respective national regulations. Applicants should consult the respective funding bodies, if any questions arise.

Researchers are encouraged to actively exploit the results of the research project and make them available for use, whether for commercial gain or not, for public benefit to be obtained from the knowledge created. Additionally, the open source requirements of the European Commission have to be taken into account.

Data management issues

Data Management (DM) is an essential component to the success of projects using systems/synthetic biology approaches and/or tools in bioinformatics. 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 Principles 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 EU Commission promotes the FAIR Data Management approach within H2020.

Participation in this FOSC call requires high quality DM standards to ensure the overall sustainability of research and its expected outcome(s). Thus, each full proposal must include a one page Data Management Plan to ensure the availability of data generated by the research proposed. Applicants are encouraged (but not obliged) to utilise available DM services. The DM plan should be written according to the information in Annex 2 of this document and should include information about types of data, information, models, software, workflows and code, or other digital products being generated by the project. It should outline the accessible archives or other open repository where these products and accompanying metadata will be stored. In case the proposed measures and activities of the DM Plan are expected to cause additional costs, an appropriate budget must be planned. Funding bodies might require an update of the DM plan during the project implementation.

Communication, dissemination and exploitation of the results

Communication and dissemination of project activities and exploitation of the results are essential part of the Responsible Research and Innovation approach. Responsible Research and Innovation means that societal actors (researchers, citizens, policy makers, business, third sector organizations, etc.) work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of society.

Each consortium passed into the full proposal phase has to develop and submit a one A4-page plan for communication, dissemination and exploitation of the results. Further guidance to write this plan is described in Annex 3 of this document.

Acknowledgement of funding

The project partners have to acknowledge the transnational funding of the FOSC and the individual national / regional funding partners in any document that is published (in written, oral or electronic form) within the research project.

Open Access

Correspondingly with the EU Commissions [Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020](#) where possible, research data and scientific publication generated with FOSC funding should be made available in an open access repository whenever feasible, but taking account inter alia of European and national data protection rules. Further to ensuring adherence with the principles of open access all beneficiaries of FOSC funding will be encouraged to:

- As soon as possible and at the latest on publication, deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications.
- Aim to deposit at the same time the research data needed to validate the results presented in the deposited scientific publications.
- Ensure open access to the deposited publication - via the repository - at the latest:
 - on publication, if an electronic version is available for free via the publisher, or
 - within six months of publication (twelve months for publications in the social sciences and humanities) in any other case

Project monitoring, meetings and reporting

Partners from each funded project are expected to organise regular project meetings. The costs for these meetings must be included in the project budgets.

An internal FOSC monitoring and evaluation group will follow the work performed by the projects' consortia and may attend to the projects' meetings.

In addition, project coordinators are required to provide both a mid-term and final report as well as a non-confidential summary of the outcomes of their project for publication on FOSC website and newsletter. Hereby, FOSC 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 wide audience. FOSC will provide a template for this summary as well as for the mid-term and final reports.

To enhance dissemination of the project results, additionally or in parallel to the own project meetings, the coordinators of the funded projects are also obliged to present their projects at three seminars to the ERA-NET FOSC partners, other interested parties and relevant stakeholders:

- an initial research project seminar (kick-off meeting), explaining objectives and expected results;
- a midterm seminar (mid-term meeting), presenting the mid-term reports including project status, preliminary results and future work;
- a final seminar (end term meeting) presenting the final reports including research results and assessment of possible impact on food systems and climate and future actions required.

The three seminars will be organised by FOSC. The costs for attending the status seminars should be covered by the allocated project budget. The objective of the status seminars is the monitoring of the projects funded through FOSC as well as providing networking and future collaboration opportunities. Presentations could be disseminated and shared outside FOSC.

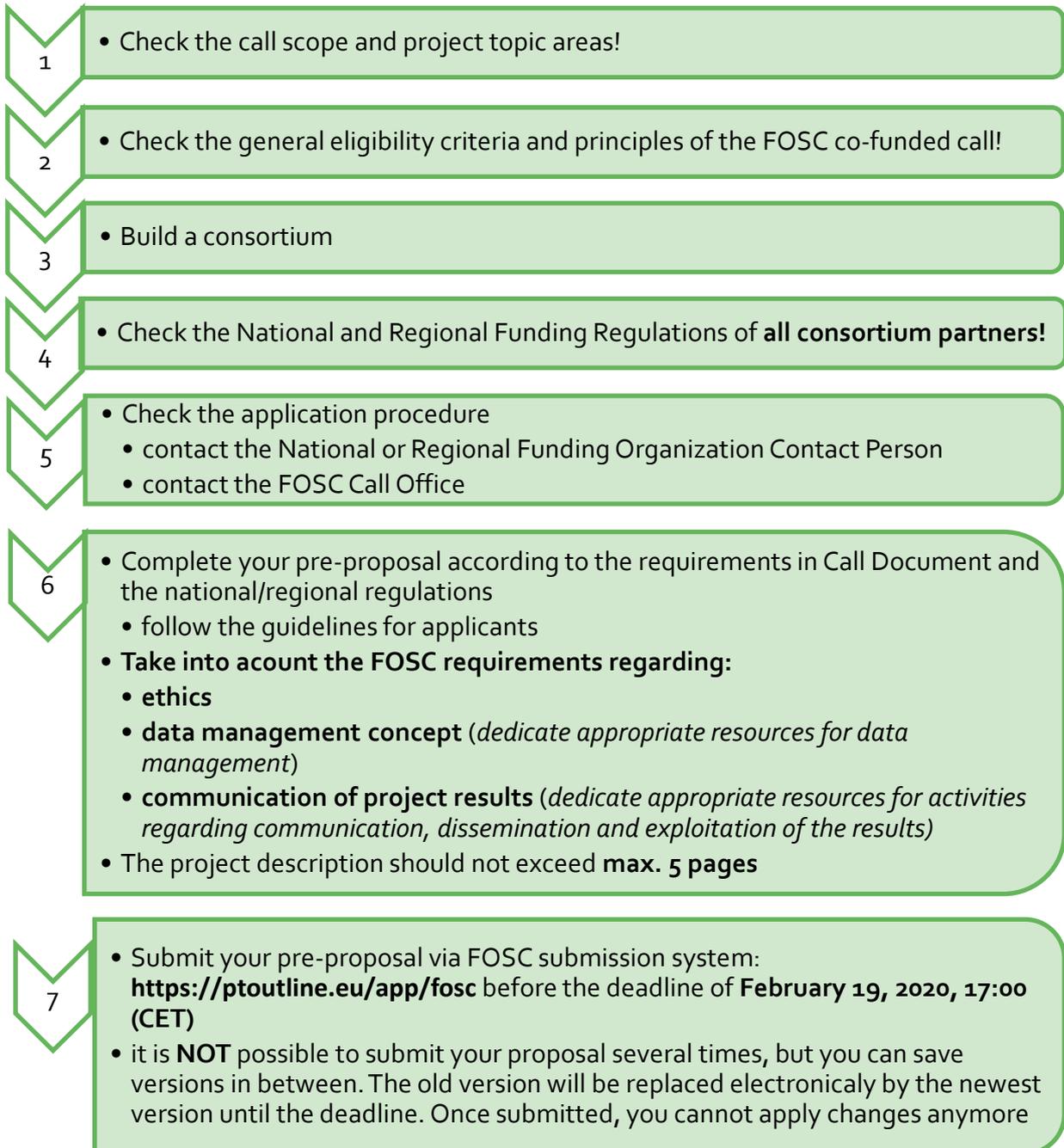
Publishable data

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

- Project Title and Project Acronym
- Theme and Topic of the project
- Organization name and country of each partner
- A short publishable summary of the project

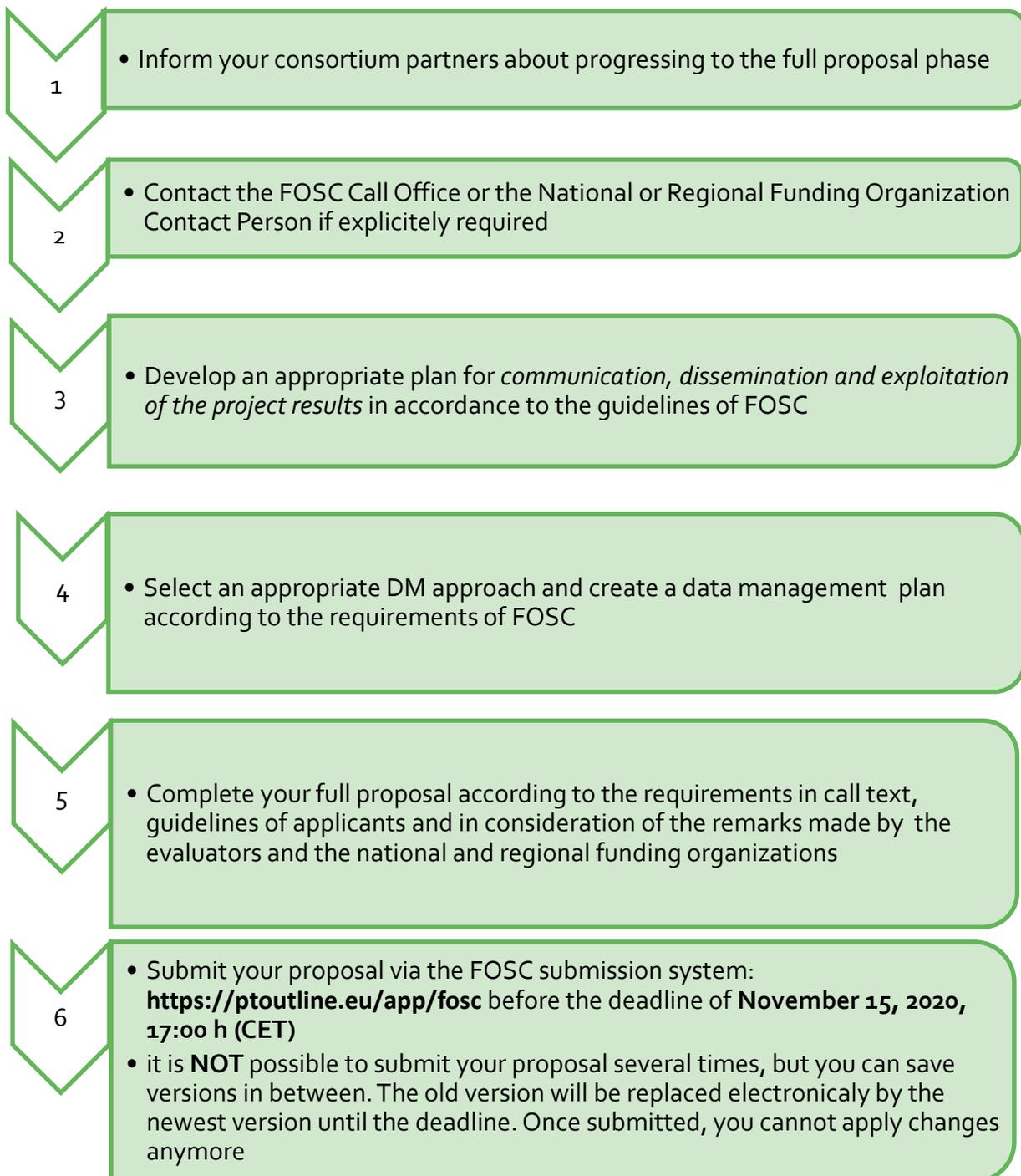
Annex 1. Quick guide “How to apply to the FOSC Call”

Pre-proposal phase



Full-proposal phase

(Only relevant for consortia explicitly invited by the FOSC Call Office to submit full proposals)



Annex 2. Guidance for Data Management Plan

Data management is an essential component to the success of projects using systems/synthetic biology approaches and/or tools in bioinformatics. 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 Principles* 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 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 pre-proposal template. 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.

Building the data management plan should be based on existing check lists, such as the [FAIRDOM checklist document](#). 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. 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 onestop 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.

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

Annex 3. Guidance for Plan for Communication, Dissemination and Exploitation of the Results

Communication and dissemination 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 FOSC 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 one A4 page plan for communication, dissemination and exploitation of results 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 fulfil the plan for communication, dissemination and exploitation of results, **projects must dedicate appropriate resources for those activities already during the pre-proposal stage**. For a well-elaborated communication and dissemination strategy, applicants also are advised to take into account the guidelines given in the EU publication “Communicating EU Research & Innovation - A guide for project participants” ([link](#)). Furthermore, applicants are advised to take note of the guidelines for the FOSC research projects in the FOSC Communication and Dissemination Strategy, which will be available on the FOSC website before the full-proposal stage, and to take into account the guidance given in this Annex.

Communication and Dissemination – 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 into 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 clear reasons why **effective communication** is an essential element of any FOSC funded research project:

- The funding for your research comes from public money and tax payers 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 and thinking – are accepted and utilised by society – not ignored, nor opposed.

- 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.

What is a Plan for Communication, Dissemination and Exploitation of the results?

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

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 European Commission

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?

Exploitation of the project results can aim at different target groups, support policymakers, and be used in industry and/or education etc., as appropriate, particularly from applied research proposals.

Annex 4. National and regional funders and contact persons

Europe

Country	Funding Organization	Contact Persons
BELGIUM 	The Research Foundation - Flanders (FWO)	Toon Monbaliu eranet@fwo.be +32 2 550 15 70 Alain Deleener eranet@fwo.be +32 2 550 15 95
	Fund for Scientific Research-FNRS (F.R.S-FNRS)	Joël Groeneveld joel.groeneveld@frs-fnrs.be +32 2 504 92 70
FRANCE 	National Research Agency (ANR)	Stefana Ganea Kozin stefana.ganeakozin@agencerecherche.fr +33 1 73 54 83 26
GERMANY 	Federal Ministry of Food and Agriculture (BMEL), represented by the Federal Office for Agriculture and Food (BLE)	Lucie Link Andeltova lucie.andeltova@ble.de +49 228 6845 3907 Johannes Bender johannes.bender@ble.de +49 228 6845 36 10
HUNGARY 	Ministry of Agriculture (AM)	Vanda Fűzesi vanda.fuzesi@am.gov.hu +36 1 7959696
	National Research, Development and Innovation Office (NKFIH)	Orsolya Tóth orsolya.toth2@nkfi.gov.hu +36 1 8963744
INTERNATIONAL ORGANIZATION	International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM-IAMB)	Maroun El Moujabber elmoujabber@iamb.it +39 0804606341
IRELAND 	Department of Agriculture, Food and the Marine (DAFM)	Aidan Holohan aidan.holohan@agriculture.gov.ie +353 16072426
ITALY 	Ministry of Agriculture, Food and Forestry Policies (MIPAAF)	Serenella Puliga s.puliga@politicheagricole.it +39 055 2492220, +39 06 46655076 Elena Capolino e.capolino@politicheagricole.it +39 06 46655076
THE NETHERLANDS 	Ministry of Agriculture, Nature and Food Quality (LNV)	Sjaak Mesu Ben Kubbinga j.j.mesu@minlnv.nl +31 6 54215791 ben.kubbinga@rvo.nl +31 611440793
NORWAY 	Research Council of Norway (RCN)	Thorbjørn Gilberg thgi@rcn.no +47 22037433
SWEDEN 	Research Council for Environment, Agricultural Science and Spatial Planning (FORMAS)	Susanne Johansson susanne.johansson@formas.se +46 72 250 94 20
TURKEY 	The Scientific and Technological Research Council of Turkey (TÜBİTAK)	M.Emre Sari emre.sari@tubitak.gov.tr +90 312 2981265 Serkan Tuna serkan.tuna@tubitak.gov.tr +90 312 2981266
UNITED KINGDOM 	The Secretary of State for Environment, Food and Rural Affairs (DEFRA)	Duncan Harding duncan.harding@defra.gov.uk +44 0207 895 5451 Jessica Finch Jessica.finch@defra.gov.uk

			+44 0087201395
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Africa

Country	Funding Organization	Contact Persons
ALGERIA 	Ministry of Higher Education and Scientific Research (MESRS)	Mokhtar Sellami Hamza Merabet m.sellami@mesrs.dz +213 661580024 h.merabet@mesrs.dz +213 770879513
BURKINA FASO 	National Fund for Research and Innovation for Development (FO.N.R.I.D.)	Zongo Inoussa zinoussa@hotmail.com +22 670242613
EGYPT 	Ministry of Higher Education and Scientific Research (MHESR)	Tarek F. El-Arabi telarabi@agr.asu.edu.eg +20 111 89 222 95
IVORY COAST 	Strategic Support Program for Scientific Research (PASRES)	Annette Ouattara annetteouattara@yahoo.fr +225 3635199
KENYA 	Ministry of Education Science and Technology (MOEST)	Eric Mwangi Jacob K. Njagih emwangi23@yahoo.com +254 20 22 19 420, +254 725 51 97 29 kamwariajacob@gmail.com +254 20 22 19 420, +254 721281207
MOROCCO 	Ministry of National Education, Professional training, Higher Education and Scientific Research (MENFPESRS)	Ahmed HAMMOUCH Abdelouahid EZZARFI Anas CHOKAIRI hammouch_a@yahoo.fr ah.hammouch@gmail.com +212 5 37 21 76 49 a.ezzarfi@yahoo.fr +212 6 72 21 03 27 chokairi.anas@gmail.com +212 5 37 21 76 53 / +212 6 72 21 03 57
SENEGAL 	Ministry of Higher Education, Research and Innovation (MESRI)	Soukeye Dia Tine soukeye.diatine@gmail.com +221 77 64 40 590
SOUTH AFRICA 	National Research Foundation (NRF)	Prudence Makhura Lebogang Mpetle prudence.makhura@nrf.ac.za +27 12 481 4077 lebogang.mpetle@nrf.ac.za +27 12 481 4143

Latin America

Country	Funding Organization	Contact Persons
BRAZIL 	Note: Up till the 6 th of February the formal decision from the São Paulo Research Foundation FAPESP (Brazil) was still pending. Unfortunately, FAPESP could not to be included through an Memorandum of Understanding within the group of official funding partners of the FOSC Call. Researchers from Brazil may however participate as <i>additional</i> partners in consortia, on their own funds. Contact person at FAPESP: Alexandre Roccatto aroccatto@fapesp.br	
HONDURAS 	Honduras Foundation for Agricultural Research (FHIA)	Adolfo Martínez adolfo_martinez@fhia-hn.org +504 2668 1191
PANAMA 	National Secretary of Science, Technology and Innovation (SENACYT)	Milagro Mainieri Maria-Lourdes Olivares mmainieri@senacyt.gob.pa +507 5170034 Ext. 1034 molivares@senacyt.gob.pa +507 5170014 Ext. 1031

2019 Joint Call of the ERA-NET Cofund on Food Systems and Climate



National and Regional Funding Regulations

Applicants are advised that this annex is for general guidance only. For more detailed rules and regulations please refer to the National or Regional funding organizations and Contact Person.

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BELGIUM – The Research Foundation – Flanders (FWO)

Funding Organization: The Research Foundation – Flanders (FWO)



Indicative Budget: 700.000 € in total. This budget implies the funding of 2-3 projects with a max. applicable amount of 350.000 € per project/consortium.

Funding Programme: Both the FWO Strategic Basic Research Projects (SBO), next to the more fundamental research projects (FO), are integrated in this call, each with specific regulations. It is, in the light of the projects eligibility, of utmost importance to respect the appropriate regulations. For example, when it comes to the **mandatory valorisation aspect for the SBO projects**. Consequently it is strongly advised to contact the FWO contact points (see below), in order to verify the eligibility of the proposals and avoid ineligible projects/research consortia. See links below for the appropriate regulations.

National/Regional Contact Point:

contact person:	email:	telephone:
Toon Monbaliu <i>Advisor Research Affairs</i>	eranet@fwo.be	+32 25501570
Alain Deleener <i>Policy Advisor Strategic Research Programmes</i>	eranet@fwo.be	+32 25501595

Eligibility criteria:

Minimum and/or maximum project duration:

Projects may last up to 36 months, which implies the funding has to be budgeted and spent accordingly. Extensions are not allowed in this phase.

Minimum and/or maximum funding per project:

The maximum requested budget per partner amounts to 350.000 EUR (incl. overhead).

Beware, the funding rules differ per FWO funding channel (FO and SBO):

- **FO**: a 6% structural overhead should be calculated on the direct costs. Example: the sum of all costs (personnel, consumables, travel, etc.) is 300.000 EUR, then the overhead will amount to 18.000 EUR (6% of 300.000 EUR) and the total requested cost 318.000 EUR. This total requested cost may never exceed 350.000 EUR. (for additional information [see chapters 7 and 8 in the project regulations](#))

- **SBO**: The [SBO cost model](#) applies.

Who can be eligible for FWO funding?

The eligibility of institutions and its researchers can be verified in the relevant regulations:

→ For Fundamental research, [see articles 10-12](#)

→ For Strategic Basic Research, [see articles 4-8](#)

Additional conditions for FWO funding:

When the Flemish sub-proposal has a strategic orientation, and thus the strategic basic research channel would be the appropriate choice of funding, **we ask researchers to provide us with a ‘valorisation plan’ before the pre-proposal submission deadline**. There is no fixed format and one A4 page should suffice. What the FWO wants to know is how the valorisation within Flanders - and potentially internationally – will take place and which Flemish actors are involved in this. This information can be submitted to the general eranet@fwo.be email address.

Researchers have to inform the central research coordination units, at their host institutions, about their participation.

One and the same researcher can only participate in 2 different research projects/consortia when applying for FWO funding, within the same call. Double funding is not allowed.

National/regional topic priorities:

No priorities as long as the projects fit into the SBO or FO funding channels scope (no thematic restrictions).

However, valorisation – with an economic and/or societal finality - is an essential feature for the SBO programme.

More details:

Call page for European programmes (ERA-NET)

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

SBO programme

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

FO programme

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



BELGIUM – Fund for Scientific Research – FNRS (F.R.S.-FNRS)

Funding Organisation: Fund for Scientific Research – FNRS(F.R.S.-FNRS)

Indicative Budget: 200.000 € (1 project)



Funding Programme: PINT-MULTI

National/Regional Contact Point:

contact person:	email:	telephone:
Joël Groeneveld	joel.groeneveld@frs-fnrs.be	+32 25049270

Eligibility criteria:

Who can apply?

- ❖ All eligibility rules and criteria can be found in the [PINT-MULTI regulations](#). **This call is co-funded by the European Commission (see article III.3).**
- ❖ Basic research (low Technology Readiness Level) carried out in a research institution from the “Fédération Wallonie-Bruxelles”.
- ❖ The F.R.S.-FNRS will not fund industrial partners.

Eligible costs and funding limit

- ❖ The maximum amount allocated per project is 200.000 EUR.
- ❖ All eligibility rules and criteria can be found in the [PINT-MULTI regulations](#). **This call is co-funded by the European Commission (see article III.3).**

“Overhead” is not an eligible cost. If the project is selected for funding, these costs will be subject to a separate agreement between the institution of the beneficiary and the FNRS. General rules and regulations of FNRS apply: <http://www.frs-fnrs.be>

Additional Requirements

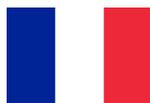
Applicants must provide basic administrative data by submitting an administrative application on [Semaphore](#) for the same deadline as the consortium application is submitted. Please select the “PINT-MULTI” funding instrument when creating the administrative application. Proposals invited to the second stage will be able to complete the pre-proposal form and provide information for the full proposal upon validation by the F.R.S.-FNRS.

National/regional topic priorities:

No thematic restrictions

More details:

<http://ncp.fnrs.be/index.php/appels/era-nets>



FRANCE – National Research Agency (ANR)

Funding Organisation: National Research Agency (ANR)

Indicative Budget: 2.000.000 €.



Funding Program: ANR Work Program 2020

National/Regional Contact Point:

contact person:	email:	telephone:
Stefana Ganea Kozin	stefana.ganeakozin@agencerecherche.fr	+33 173548326

Eligibility criteria:

To be eligible, partners requesting funding from ANR must meet all the following criteria:

Similarity with another proposal

The French part of the project proposal must not be judged similar to a project that is already funded by ANR. A project proposal will be judged similar to another if its principal objectives are the same, or results from a simple adaptation to the terms of the call for proposals **AND** the composition of the consortium is largely identical.

Requested funding

The funding requested from ANR for a project must be between 15.000 € and 250.000 €. If there are several partners requesting funding from ANR, the 250.000 € have to be shared. If a partner requesting funding from ANR is coordinator of a proposal, the maximum amount of funding requested can reach 300.000 €.

Consortium composition

ANR may finance Partners that have their primary establishment in France and/or Partners established in the EU and that can prove that they have a secondary establishment in France. To be eligible, the consortium must include at least one French public research organization (EPA, EPSCP, EPST, EPIC).

The involvement of an enterprise is encouraged but not mandatory.

Project partners' commitment:

Access to genetic resources and traditional knowledge associated with genetic resources

Pursuant to the Nagoya Protocol, ANR must obtain documentary evidence of Due Diligence Declarations (DDDs) for all research projects that it funds. Projects funded will be asked to make a declaration on potential utilization of genetic resources during their projects.

DDDs for research work can be submitted online using the special application on the MESRI website. Credentials to access the application can be obtained from the director of the host institution. For full details, go to:

<http://www.enseignementsup-recherche.gouv.fr/pid37627/utilisation-ressources-genetiques-associees.html>

Open Science

As part of the contribution of the ANR to the promotion and implementation of an open science, and in connection with the National plan for an open science, the applicants formally undertake, if they receive funding, to: (1) post the full texts of all scientific publications resulting from the research project in an open archive (either directly in HAL or via a local institutional archive); and (2) to provide a data management plan (DMP) within 6 months of the project start, as per the ANR Funding regulation (Règlement financier) and the arrangements communicated in the act allocating the grant. Besides, the ANR recommends that publications be made in reviews or books in native open access.

Terms, conditions, and important recommendations for partners requesting funding from ANR will be published on ANR website.

National/regional topic priorities:

ANR will support projects within the entire scientific scope.

More details:

It is important to read carefully the call text, the present document in its entirety, the document “Modalités de participation pour les partenaires sollicitant une aide de l’ANR” on the ANR website and the ANR funding regulation (<https://anr.fr/fr/rf/>) before contacting the NCP and submitting a research project.

The project proposal must not be considered to infringe an intellectual property right characterizing a counterfeit within the meaning of intellectual property.



GERMANY – Federal Ministry of Food and Agriculture (BMEL), represented by the Federal Office for Agriculture and Food (BLE)

Funding Organisation: Federal Ministry of Food and Agriculture (BMEL),
represented by the Federal Office for Agriculture and Food (BLE)



Indicative Budget: 1.000.000 €. The maximum amount for each project has
to not exceed 250.000 €. The max. project duration is up to 36 months.

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

National/Regional Contact Point:

contact person:	email:	telephone:
Lucie Link Andeltova	lucie.andeltova@ble.de	+49 22868453653
Johannes Bender	johannes.bender@ble.de	+49 22868453610

Eligibility criteria:

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

- ❖ The funding regulations, follow-up and reporting of publicly funded projects are regulated according to NABF (Nebenbestimmungen des Bundesministeriums für Bildung und Forschung für Zuwendungen zur Projektförderung auf Ausgabenbasis) and NKBF-2017 (Nebenbestimmungen des Bundesministeriums für Bildung und Forschung für Zuwendungen zur Projektförderung auf Kostenbasis an Unternehmen der gewerblichen Wirtschaft für Forschungs- und Entwicklungsvorhaben).
- ❖ Funding will be awarded as non-repayable project grant.
- ❖ Eligible applicants are universities, universities of applied sciences, non-university research institutions, SMEs domiciled in Germany as well as Federal and State institutions with research tasks. Research institutions which are jointly funded by the Federal Government and the

'Länder' may only be granted project funding under certain conditions and only for project-related expenditures in addition to their basic funding.

National/regional topic priorities:

BMEL will support projects within the entire scientific scope.

More details:

See the national Call announcement in the Bundesanzeiger (www.bundesanzeiger.de)



HUNGARY – National Research, Development and Innovation Office (NKFIH)

Funding Organisation: National Research, Development and Innovation Office (NKFIH)



NEMZETI KUTATÁSI, FEJLESZTÉSI
ÉS INNOVÁCIÓS HIVATAL

Indicative Budget: 200.000 €

Funding Programme: Call for proposals to support successful Hungarian participants in international ERA-NET COFUND and EJP COFUND programmes

Call Number: 2019-2.1.7-ERA-NET

National/Regional Contact Point:

contact person:	email:	telephone:
Orsolya Tóth	orsolya.toth2@nkfi.gov.hu	+36 18963744

Eligibility criteria:

The aim of the call is to provide national funding for successful Hungarian participants in international joint calls of ERA-NET COFUND and European Joint Programme COFUND initiatives from the National Research, Development and Innovation Fund. The call contributes to:

- ❖ fostering strategic cooperation amongst international organisations participating in projects funded by ERA-NET COFUND and EJP COFUND programmes,
- ❖ to helping Hungarian participants of projects funded by the ERA-NET COFUND and EJP COFUND programmes to gain experience in the field of international R+D cooperation, which can contribute to strengthening Hungarian participation in the Horizon 2020 framework programme in the given technological,
- ❖ establishing future scientific and economic cooperation.

General rules for participation for Hungarian institutions in the joint calls of the ERA-Net COFUND and EJP COFUND programmes are detailed in the Call Guidelines. Under the present call proposals can be submitted in the following topics, in line with the international evaluation:

- ❖ Reg-SyS ERA-NET
- ❖ ERA PERMED
- ❖ FLAG-ERA II.
- ❖ QuantERA

- ❖ EJP RD – European Joint Programme on Rare Diseases
- ❖ JPcofuND - Joint Programme – Neurodegenerative Disease Research” (JPND)
- ❖ M-ERA.NET 2
- ❖ **Food System and Climate Change (FOSC) ERA –NET**
- ❖ ICT-AGRI-FOOD ERA-NET (ICT-enabled agri-food systems)

Participation in these programmes contributes to achieving national R+D goals stipulated in the EU-2020 strategy and the alignment of the R+D programmes of member states and thus to more efficient exploitation of European R+D funds. By concentrating these funds, large-scale projects aimed at addressing important issues can be realized as well as the competitiveness of the European industry can be increased.

Request for funding can be submitted individually or in the form of national consortium. Hungarian partners participating in the same international project shall submit their request for domestic funding in the form of a national consortium.

Project duration: maximum 36 months

Request for funding shall only be submitted by a Hungarian member of a consortium of a joint international project which was selected for funding according to the evaluation system of the international programme, or by a Hungarian member who joined the consortium of a joint international project which was selected for funding according to the evaluation system of the international programme at a later stage.

Activities eligible for funding: basic research, applied research, experimental development, activities related to information and dissemination activities, project coordination activities, access to market. Detailed information can be found in the guidelines.

In case of basic research activities, they can only be carried out by the applicants and cannot be outsourced to third parties.

Please note that activities eligible for funding vary from ERA-NET to ERA-NET. Please refer to the Guidelines for detailed information.

While applying for domestic funding, the professional content should be consistent with the professional content of the international project but the tasks of the Hungarian applicant should be presented in detail. The timeline for the request for funding should be consistent with the timeline of the international project, the milestones should be defined according to the international project.

Applicants should meet the ethics requirements of Horizon 2020 indicated in Articles 13. and 14. of the Regulation 1290/2013/EU of the European Parliament and the Council.

Details regarding funding intensity can be found in the Guidelines

Domestic funding is available according to the ranking list of the international evaluation and until the exhaustion of the available domestic funds.

Submission of national proposal:

Proposers shall submit their request for funding after the approval of the international projects. The online application form and programme can is available at www.palyazat.gov.hu.

Deadline for submission: 30 November, 2020.

National/regional topic priorities:

no thematic restrictions

More details:

www.nkfi.gov.hu (please use Firefox or Chrome), e-mail: nkfialap@nkfi.gov.hu

INTERNATIONAL ORGANISATION – International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM-IAMB)

Funding Organisation: International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM-IAMB)



Indicative Budget: 210.000 €

Funding Programme: International cooperation

National/Regional Contact Point:

contact person:	email:	telephone:
Maroun El Moujabber	elmoujabber@iamb.it	+39 804606341

Eligibility criteria:

Post graduates young researchers from NON EU Countries which are contributing countries in FOSC, are entitled to be included in a secondment plan foreseen by the proposed research projects.

Each proposal may include up to 3 mobility grants per project, of the duration of one year (9 months effective secondment for a total of 30.000 Euros each).

Grants will be assigned to young post graduate researchers from the funded projects in order to attend the 1st year course at CIHEAM-Bari.

After the approval of the projects, the project co-ordinator - in agreement with the partner(s) from the above mentioned countries - and on the base of a clear research mobility module, will be entitled to submit to CIHEAM Bari the list of the candidates for the secondment. The acceptance of the candidates is related to the fulfilment of the conditions of admission to CIHEAM Bari courses.

Two or more young researchers might be seconded simultaneously in the frame of the same project.

Each grant will foresee and cover the following activities: travel, accommodation and subsistence, medical insurance, training and research.

National/regional topic priorities:

N/A

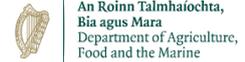
More details:

N/A



IRELAND – Department of Agriculture Food and the Marine (DAFM)

Funding Organisation: Department of Agriculture Food and the Marine (DAFM)



Indicative Budget: 500.000€

Funding Programme: Research Stimulus Fund

National/Regional Contact Point:

contact person:	email:	telephone:
Aidan Holohan	aidan.holohan@agriculture.gov.ie	+353 16072426

Eligibility criteria:

Where applications include two Irish RPOs, each must account for at least 10% of the overall combined grant requested from DAFM. This requirement will not apply to third and subsequent Irish partners on any project. Any project that does not comply with this requirement will be deemed ineligible at the national eligibility check at the pre-proposal stage of the evaluation. The total public funding to Irish RPOs shall not be greater than €500.000 per project. As the FOSC Call invites proposals for three-year projects, the scientific work should be completed within the first three years in collaboration with the European partners to comply with FOSC requirements as the overall project will have to present a final report to FOSC after three years.

National/regional topic priorities:

Eligibility: All DAFM approved RPOs in Ireland are eligible to participate and submit proposals. Public RPOs based in Northern Ireland are not eligible. The involvement of industry is also encouraged on a self-financing basis subject to the need to respect the ‘public good’ nature of DAFM Research Funding Programmes and compliance with the National IP Protocol.

Funding: The total indicative funding provided by DAFM in respect of this Call shall not exceed €500,000.

Admitted costs. Eligible costs will be allowed in the categories of:

- (a) Staff Costs
- (b) Equipment
- (c) Travel and Subsistence (T&S)
- (d) Consumables
- (e) Overheads
- (f) Other agreed costs e.g. Sub-Contracting

More details:

N/A



ITALY – Ministry of Agriculture, Food and Forestry Policies (MIPAAF)

Funding Organisation: Ministry of Agriculture, Food and Forestry
Policies (MIPAAF)



Indicative Budget: 600.000 €

Funding Programme: Strategic Plan 2014-2020 for Innovation and Research in the Agricultural, Food, and Forestry Sector

National/Regional Contact Point:

contact person:	email:	telephone:
Serenella Puliga	s.puliga@politicheagricole.it	+39 055 2492220 / +39 06 46655076
Elena Capolino	e.capolino@politicheagricole.it	+39 55 46655076

Eligibility criteria:

1. Applicant eligibility

National public research institutions as well as no-profit private bodies can be funded, under the condition that “performing research activities” and not only “promoting or supporting research activities” must be present among their institutional and statutory scopes. Furthermore SME’s and other organisms with different statutory nature may participate at their own (or other external) resources, proven that they provide the project an added value. The same research institutions (but not the same person/research group) can apply for more than 1 project in each topic.

2. Financing and cost eligibility

The maximum requested budget to Mipaaf from one project (including 1 or more national participant institutions) is 200.000 € including coordination cost.

In defining cost of the projects national applicants must refer to regulations indicated in the standing User’s Manual

<https://www.politicheagricole.it/flex/cm/pag-es/ServeBLOB.php/L/IT/IDPagina/10656>

The selected national institutions will be financed up to 99% of the approved eligible costs.

- Eligible costs

A) Personnel

1) *Salaries* – For public institutions/universities only non-permanent scientific staff; for private no-profit institutions also permanent scientific staff; administrative staff can be included only in the coordination activity, if the research unit is also coordinator.

2) *Travel expenses* – for permanent and non permanent staff declared in the project

B) Consumables

C) External activity costs – advisory/consultant services, services supply (scientific, logistics for meetings, devices and machine rent and/or , etc.)

The costs at point C) need to be indicated and detailed as “Other costs” in the financial plan of the joint call application form (online submission)

D) Equipments – Only use cost (related to the project duration) for scientific equipment will be reimbursed.

E) Overheads – no more than 12% of the total amount of the above mentioned costs (A+B+C+D)

F) Coordination - if the Italian institution is also playing the role of coordinator the eligible costs are those indicated in the User’s manual. In the joint call Mipaaf will pay the coordination cost calculated on the total request of the project, including the amount not paid with national resources. Requested cost for national expert (project monitoring) is not applicable in this call.

3. National document to be presented

By the pre-proposal application deadline no documents have to be submitted to Mipaaf by applicant public institutions, other than the application through the online joint call submission platform. But no-profit private research bodies participating in a project proposal must send, by the application deadline, copy of the documents stating their research mission (statute and/or articles of incorporation or memorandum of association, etc.) to this following PEC:
aoo.cosvir@pec.politicheagricole.gov.it (Office DISR IV) specifying in the object “ERANET FOSC Cofund joint Call 2019 - documenti bando – ente privato”.

After the funding decision, and the official communication by the Call Office to the coordinator of the winning projects, Mipaaf DISR4 will request to each Italian research unit of the selected projects to fill in the national template necessary to apply for the granted contribution. These forms must be written

in Italian and follow the standing User's Manual and any other specifications reported in the letter requesting the national template for the grant.

National/regional topic priorities:

N/A

More details:

N/A



THE NETHERLANDS – Ministry of Agriculture, Nature and Food Quality (LNV)

Funding Organisation: Ministry of Agriculture, Nature and Food Quality (LNV)



Indicative Budget: 1.000.000 € with a maximum funding of 250.000 € per project.

Funding Programme: Open programming

Regional Contact Point:		
contact person:	email:	telephone:
Sjaak Mesu	j.j.mesu@minlnv.nl	+31 654215791
Ben Kubbinga	ben.kubbinga@rvo.nl	+31 611440793

Eligibility

Minimum and/or maximum project duration:

Projects may last up to 36 months, which implies the funding has to be budgeted and spent accordingly. Extensions are not allowed in this phase. The funding from the ministry will be maximally 1.000.000 euro in total for duration of the ERA-net.

Minimum and/or maximum funding per project:

The maximum requested budget per partner amounts to 250.000 euro; 300.000 euro if a Dutch organization is included as the coordinator.

- Funding will be awarded as non-repayable project grant.
- Eligible applicants are Dutch universities, universities of applied sciences, non-university research institutions, knowledge organizations (research and knowledge-dissemination organisations), and small and medium enterprises (SMEs), including start-ups, domiciled in The Netherlands.

Dutch project partners will sign a separate contract with the Ministry.

National/regional topic priorities:

Projects must be well embedded in a food system approach, also including interactions and interdependencies between actors (and their activities).

Research topics must be related to the NL food system, within the broader global context. Proposals should provide insights into trade-offs, synergies and unintended consequences within the system from a supply and demand perspective. Proposals must ‘visibly’ build on, and not duplicate, existing research.

Understanding what interventions may be needed, at which point in the system, and from which sector (or actor) is of interest. Where appropriate, proposals should consider the potential levers for change. The Programme would welcome multi-disciplinary research proposals which provide insight into new and emerging vulnerabilities, risks and threats impacting on the resilience of the NL food system within a global context.

Technology is an important game changer; but it’s also crucial to highlight the social dimension in the project.

More details:

N/A



NORWAY – The Research Council of Norway (RCN)

Funding Organisation: The Research Council of Norway (RCN)



Indicative Budget: 2.000.000 €

Funding Programme:

The funding provided by Norway is from activities that have responsibility for research on the agricultural sector, land-based and bio-based industries, including bioresources, food processing and the food industry.

BIONAER - Sustainable Innovation in Food and Bio-based Industries. National website:

<https://www.forskningsradet.no/en/about-the-research-council/programmes/bionar/>

National/Regional Contact Point:		
contact person:	email:	telephone:
Thorbjørn Gilberg	thgi@rcn.no	+45 22037433

Eligibility criteria:

The RCN can fund projects that fall within fundamental research (F), industrial research (I) and experimental development (D).

The RCN can fund projects where the Norwegian coordinator/partner is a Norwegian research organisation or company while Norwegian companies/trade and industry organizations and Norwegian research organisations can be partners or subcontractors.

The maximum grant for Norwegian participation is set to 400.000 € per proposal.

State aid guidelines

If project support from the Research Council of Norway is awarded to a company, or “undertaking” (i.e. an actor that carries out an economic activity consisting of offering products or services on a given market), the aided part of the research and development project is set by the State Aid Rules;

<https://www.forskningsradet.no/en/apply-for-funding/funding-from-the-research-council/Conditions-for-awarding-state-aid/>

Open access

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

<https://www.forskningsradet.no/forskningspolitisk-radgivning/apen-forskning/>

Other issues

The Norwegian participation must follow RCN’s General Terms and Conditions for R&D Projects.

Norwegian project partners will sign a separate contract with the RCN. Norwegian partners that are coordinators of the projects will be asked to also coordinate the Norwegian partners of the projects.

Project partners of funded projects will be requested to register the application of the Norwegian activities after invitation from the National Contact Person.

National/regional topic priorities:

NA

More details:

NA



SWEDEN – The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (FORMAS)

Funding Organisation: The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (FORMAS)

FORMAS



Indicative Budget: 1.500.000 €

Funding Programme:

National/Regional Contact Point:

contact person:	email:	telephone:
Susanne Johansson	susanne.johansson@formas.se	+46 8 7754020

Eligibility criteria:

Eligible institutions:

Grants for research projects can only be administered by a Swedish university, university college or other Swedish public organisation that fulfils the grant administrating organisation eligibility requirements of Formas. Please check: [Formas Eligible Institutions](#)

Eligible applicants:

To be eligible to apply for grants from Formas, main applicants and co-applicants must have a doctoral degree. Other people participating in the project (e.g. doctoral students, technicians, lab assistants) do not need to have a doctoral degree.

Eligible costs:

Project grants from Formas may be used for financing of salary for researchers, doctoral students (up to three years) and technical staff (including social-security contributions). Grants may also be used to finance running costs (e.g. consumables, equipment under 500 kSEK, travel, conferences, publication in open access journals), equipment depreciation costs and premises costs.

For existing employment positions, the current salary at the time of application (including social-security contributions) must be used for each of the subsequent years. For new employment positions the starting salary at the grant administrating organisation must be used for each subsequent year. Note that the total salary costs awarded by Formas for an individual researcher, doctoral student or other member of the project may never exceed 100 per cent of a full-time position.

Budget specification

- ❖ Personnel: Salary costs including social fees and LKP
- ❖ Travel (Missions): Traveling cost for meetings, data collection and so on.
- ❖ Consumables (Running costs): All the costs that are related to the research activities as well as equipment under 500 kSEK, publications in open access journal, equipment depreciation costs and premises costs.
- ❖ Overhead: Formas funds overhead costs according to the Swedish universities or institutions policies.
- ❖ Subcontracting: Total costs for the subcontractors including their overheads and premises costs.

Swedish applicants involved in proposals invited to step 2 are requested to also submit a proposal to Formas/Prisma after instructions from Formas NCP.

The maximum amount which can be requested by each proposal with Swedish applicant(s) is limited to:

300.000 Euro if Swedish Participant(s)

500.000 Euro if a Swedish Coordinator is included

Ethical guidelines and open access:

For information regarding Formas' ethical guidelines and issues concerning public and open access to research results and scientific data. Please check:

<http://www.formas.se/en/Financing/Ethical-Policy/>

Reporting of projects awarded funding

Each Swedish PI awarded funding must submit financial reports annually, and financial and scientific reports when the project has ended to Formas.

National/regional topic priorities:

Formas will support projects within the entire scope of the call.

More details:

Please also see Formas home page: <https://www.formas.se/en/>



TURKEY – The Scientific and Technological Research Council of Turkey (TÜBİTAK)

Funding Organisation: The Scientific and Technological Research Council of Turkey (TÜBİTAK)



Indicative Budget: 600.000 €

Funding Programme:

ARDEB 1071 - Support Programme for Increasing Capacity to Benefit from International Research Funds and Participation in International R&D Cooperation

https://www.tubitak.gov.tr/sites/default/files/3125/ar-ge_ve_yenilik_bilgi_notu.pdf

Projects in which partner from Turkey is only responsible for demonstration actions cannot be supported by TUBITAK.

National/Regional Contact Point:

contact person:	email:	telephone:
Emre Sari	emre.sari@tubitak.gov.tr	+90 3122981265
Serkan Tuna	serkan.tuna@tubitak.gov.tr	+90 3122981266

Eligibility criteria:

The budget requested from TUBITAK by the Turkish partners involved in the same project can be maximum **1.500.000 TL** excluding Project Incentive Bonus (PTI) and overhead costs. For each Turkish partner in the project team, budget limitations below should be used;

- ❖ The maximum funding per project for Turkish partners from Universities (public and private), research institutes, and public institutions is **720.000 TL**. This amount excludes Project Incentive Bonus (PTI) and overhead costs.
- ❖ The maximum funding per project for Turkish partners from private corporations is **1.000.000 TL** for Turkish partners. This amount excludes overhead costs.

Percentage of Funding:

Universities (public and private), research institutes and public institutions: 100% of budget of the project will be funded by TUBITAK.

Large-size Enterprises: 60% of budget of the project will be funded by TUBITAK.

Small and Medium-size Enterprises: 75% of budget of the project will be funded by TUBITAK.

Eligibility of Project Team:

Principal Investigator*, Researchers and Advisors:

University personnel should have a PhD degree,

Those working in a public institution or a private corporation should have an undergraduate diploma,

The Principal Investigator (PI) of Turkish team should be the permanent staff of the organization making the project proposal,

The PI and researchers (Co-PI) should reside and work in Turkey (Foreign nationals can be PI/researcher in the projects if they are working in an organization in Turkey),

A researcher should have a contribution of at least 10% of the project workload,

An advisor is allowed if the project requires special expertise on a specific subject. The number of advisors in a project is limited to the number of specific subjects in the project. The role of advisor in the projects should be explained in detail in the project proposal.

For detailed information, please look at national call announcement.

*University presidents and vice presidents, surgeon generals, vice surgeon generals, hospital presidents, institution/company presidents, and institution/company vice presidents are not allowed to be PI.

Eligible Costs: Eligible types of funding under this programme are limited to personnel costs, travel and subsistence, equipment that would be used for R&D purposes, consumables and

subcontracting/services need for R&D work. Projects intended to build infrastructure cannot be supported.

National Application: Project coordinator of consortium must send English application form to call secretariat via online application tool. At the same time, project coordinator of Turkish team in the consortium must apply 1st stage via project application system of TUBITAK by using Turkish application form available on project application system of TUBITAK (uidb-pbs.tubitak.gov.tr). All Turkish partners in the same international project should submit one application form to national application system.

If the Turkish team is invited for the 2nd stage, same procedure is to be followed by project coordinator of the Turkish team.

For further information, applicants should follow the announcements regarding this call under the official website of TUBITAK.

National/regional topic priorities:

N/A

More details:

<http://www.tubitak.gov.tr/tr>



UNITED KINGDOM – Department for Environment, Food and Rural Affairs (DEFRA)

Funding Organisation: Department for Environment, Food and Rural Affairs (DEFRA)



Department
for Environment
Food & Rural Affairs

Indicative Budget: 350,000 €

Funding Programme: Defra Agri-Food Chain Directorate Food Science Programme

National/Regional Contact Point:

contact person:	email:	telephone:
Duncan Harding	duncan.harding@defra.gov.uk	+44 2078955451
Jessica Finch	Jessica.finch@defra.gov.uk	+44 0087201395

Eligibility criteria:

The Defra funding can only support R&D that addresses policy priorities supporting increasing productivity sustainably with positive environmental impact. In framing research to help address a safe, secure and resilient food system, applicants will need to consider the wider policy context in terms of productivity, sustainability and climate change goals, including Defra’s 25 year environment plan and the UK Government’s Net-Zero GHG emissions 2050 target. Research taking a whole food systems approach and taking a food supply chain perspective (e.g. food production, processing, manufacture, retail, and consumption) is in scope. Research on human/clinical health impacts of food consumption; and education is out of scope.

National/regional topic priorities:

Assessing climate related risks; promoting innovative technology; improving resilience; are in scope. Research on food losses can only be funded if it forms part of wider food systems research .

Research topics must include consideration of the UK food system, within the broader global context. Proposals should take a food supply chain view (e.g. spanning primary production, food manufacture, processing, retail, and consumers), and provide insights into trade-offs, synergies and unintended

consequences within the system from a supply and demand perspective . Proposals must build on, and not duplicate, existing research.

Technology has an important role to play in meeting our sustainability and climate change goals. Proposals that address the role of technology in driving change and improving resilience, whilst simultaneously enhancing resource efficiency, inputs, food quality, reducing environmental burden and increasing productivity of food systems, would be welcomed. Understanding what interventions may be needed, at which point in the system, and from which sector (or actor) – is of interest. Where appropriate, proposals should consider the potential levers for change, as well as their associated metrics.

The Programme would welcome multi disciplinary research proposals which provide insight into new and emerging vulnerabilities, risks and threats impacting on the resilience of the UK food system within a global context. This should be from both a supply and demand perspective, coupled with mitigation and adaptation strategies. Where appropriate, proposals should include scenario analysis to inform research outcomes.

Applicants **must** comply with Defra’s standard Terms & Conditions for Research and Development. Please contact UK coordinator for details. Specific information is given in the ‘details’ section below.

We would anticipate applications for funding to be in the region of £150k, although this is indicative only, depending on the project.

More details:

Additional eligibility funding criteria from the Department for Environment, Food and Rural Affairs (Defra), United Kingdom

We anticipate Defra's contribution towards each project to be in the region of £150k. This is indicative only depending on the project.

Bidders must contact the Defra FOSC representatives (Duncan Harding and Heather Alford) prior to submitting bids for funding.

Other general considerations:

Areas of specific interest for Defra for this call include:

- ❖ Research proposals should target increasing productivity and competitiveness alongside enhancing the environment within a systems approach. Multi- and interdisciplinary research expertise is encouraged.
- ❖ The UK part of the project must be developed within the UK and must not duplicate research funded elsewhere.
- ❖ Defra requires that all research proposals will have application and benefit to the UK food production system and support innovation and productivity in the UK.
- ❖ Defra is unable to fund UK partners to undertake research that involves assessment of health benefits or clinical trial research as this is outside of the Departments' remit.
- ❖ We welcome proposals that involve industry partnerships to add value and ensure 'real world' relevance. Industry partners will need to demonstrate compliance with State Aid rules.
- ❖ UK contractors will be paid by Defra in sterling. The exchange rate from Sterling to Euros applied will be that at the time of FOSC call publication.

Links of interest:

The UK Government is producing a National Food Strategy:

<https://www.gov.uk/government/publications/developing-a-national-food-strategy-independent-review-2019>

Defra Strategy 2018, Creating a great place for living:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/753513/defra-group-strategy-2018.pdf

25 Year Environment Plan

<https://www.gov.uk/government/publications/25-year-environment-plan>

Before submitting proposals, applicants are strongly advised to consult the national contacts to ensure bids are eligible and meet the national criteria. Applicants should also consult Defra's standard Terms and Conditions for funding research³ available from network.procurement@defra.gov.uk

Please contact Duncan Harding or Jessica Finch

(Duncan.harding@defra.gov.uk; Jesscia.finch@defra.gov.uk)

³ Defra Contract for the provision of research and development (June 2018).

Bidders should ensure that they have considered VAT where applicable in their proposals.

Applicants **must** comply with Defra's standard Terms & Conditions for Research and Development – please contact UK coordinator for details



ALGERIA – Ministry of Higher Education and Scientific Research (MESRS)

Funding Party: Ministry of Higher Education and Scientific Research (MESRS)

Indicative Budget: 400.000 €



Funding Programme:

National/Regional Contact Point:

contact person:	email:	telephone:
Mokhtar Sellami	m.sellami@mesrs.dz	+213 661580024
Hamza Merabet	h.merabet@mesrs.dz	+213 770879513

Eligibility criteria:

Who can apply?

- ❖ The call is open to Algerian researchers affiliated to research laboratories or centers.
- ❖ A multi-institutional consortium with Companies' involvement is strongly encouraged. They may be considered as additional consortium partners involved in the execution of the project from the full proposal development phase onwards.
- ❖ The industry partners are expected to meet their participation costs (salaries) in the joint project. Travel and subsistence costs can be requested for such partners when taking part in the consortium meetings and workshops.
- ❖ Balanced involvement of female is another requirement.

What type of costs are eligible for funding?

Support will be provided for collaborative multilateral basic and applied research projects. Funds can be used to cover the following costs:

- ❖ Research related costs: all expenses related to field work such as conducting interviews, research-related trips, research equipment (small equipment) and consumables, publication related costs, etc.
- ❖ Exchange Programme: mobility expenses (transport and accommodation costs) of the research team between the partnering countries.

- ❖ Knowledge sharing costs: This is to cover the costs of activities organized by the consortium, such as joint workshops, seminars, conferences, symposia, lecture presentations, capacity building sessions, meetings, local/regional dissemination of results aimed at involving stakeholders and/or end users from outside the consortium with a minimum of 10% of the grant budget.
- ❖ Joint FOSC workshops: travel costs for the kick-off, mid-term and final conference for all granted projects should be included in the knowledge sharing costs.

Upper funding limits for the eligible costs per project

Max Budget per project (i.e. for 1 project): € 100,000 for 3-years, and will be paid in annual installments.

Additional Requirements

Socio-economic partnership is required for research and innovation projects. Applicants are encouraged for multidisciplinary research including researchers in social science, a special attention will be considered for PPP projects involving farms and agro-industries.

National/regional topic priorities:

Agricultural production in arid and semi-arid regions, management of the groundwater, traditional irrigation system, wastewater, Oasis, salt land agriculture, indigenous knowledge in natural resource management, agriculture in extreme conditions, countering the advance of the desert, animal and plant species resistant to heat and water stress, food preservation and drying, sustainability.

More details:

Contact us / website: www.dgrsdt.dz



BURKINA FASO – National Fund for Research and Innovation for Development (FO.N.R.I.D.)

Funding Organisation: National Fund for Research and Innovation for Development (FO.N.R.I.D.)



Indicative Budget: 100.000 €

Funding Programme: Food system and climate change

National/Regional Contact Point:

contact person:	email:	telephone:
Dr Inoussa Zongo	zinoussa@hotmail.com	+22 670242613
Dr Hamidou H. Tamboura	hh_tamboura@hotmail.com	+22 670302929

Eligibility criteria:

This call is open to working researchers residing in Burkina Faso and affiliated with a recognized Burkinabe research, higher education or innovation institution such as a research institutes/centers, universities, university of technology or science council. The head of the Burkinabe team applicant must be in possession of a PhD. A multi-institutional/ consortia approach is encouraged.

Therefore, applicants are allowed to collaborate with other partners such as NGOs, Civil society bodies or private companies. However, the private companies/SMEs and/or industry participants are expected to meet their specific participation costs in the joint project. Joint projects that insole young scientists and pay attention to a balanced involvement of female researchers will be highly positively considered.

National/regional topic priorities:

Contribution to the improvement of safety and food sovereignty by developing technologies for the increase in agricultural productivity, the preservation, the development and the sustainable exploitation of natural resources for the well-being of populations in the context of climate change.

More details:

Contact: Dr Inoussa Zongo, email: zinoussa@hotmail.com

Website: www.fonrid.bf



EGYPT – Ministry of Higher Education and Scientific Research (MHESR)

Funding Organisation: Ministry of Higher Education and Scientific

Research (MHESR) represented by Science and Technology Development Fund (STDF)



Indicative Budget: 500.000 €. The maximum amount for each project must not exceed 100.000 €. The max. project duration is up to 36 months.



Funding Programme: International cooperation- FOSC

National/Regional Contact Point:

contact person:	email:	telephone:
Aya Said	aya.said@stdf.eg	+20 2-27920134

Eligibility criteria:

Who can apply?

- Research proposals may be submitted by an Egyptian PhD holder, affiliated to an Egyptian research institution (Universities, Research Centers/institutes ...etc.).
- An applicant, who is already participating as a principal investigator (PI) co-principal investigator (CO-PI) in two running STDF projects or participating as a team member in three running STDF projects, is not eligible for funding.

- **Submission:** It's a must that the applicant uploads **two identical versions** of the proposal

- ❖ One on FOSC website.
- ❖ The other on STDF website.

Note:

- Upon proposal acceptance, project contracts are made between three parties: STDF, the legal representative of the host institution, and the PI of the project. (**Only one PI** for each proposal)
- The fund is allocated to both the host institution and the PI, administered by the host institution's financial department, and managed by the PI of the project.
- Non-governmental host institutions are requested to either submit a Letter of Guarantee against the amount of fund, or follow a post-activity milestone payment schedule

Types of costs are eligible for funding

- **Incentives for the project's team/Personnel cost:** incentives are allowed for members of the project team, in accordance with their academic credentials and the percentage of time spent on performing project activities.
- **Equipment, spare parts, expendable supplies and material:** funds required for the purchase of equipment, spare parts, expendable supplies and material required to fulfil the objectives of the project are allowed.
- **Services:** services necessary for fulfilling the objectives of the project are allowed. These include manufacturing of specimens & prototypes, registration and protection of the IP and publication, acquiring access to specialized reference source databases or computer software, fees for use of facilities in other national institutions, etc.
- **Events:** in general all costs directly related to the preparation, implementation and/or attendance of events like workshops, conferences, training courses etc. are eligible.
- **Travel:** the most economical means of transport consistent with effective pursuit of the project should be used. Upgrades to business class are to be done at one's own expense.
- **Daily subsistence (per diem) allowance:** calculated according to the current governing rules of the Mission Directorate - Ministry of Higher Education- and depending on the visited country. Sometimes it's limited by the internal regulations of the PI's institution.
- **Indirect cost:** costs incurred by the PI's institution in order to facilitate performing project activities, support financial administration, manage the facilities, etc. (overheads).

Upper funding limits for the eligible costs per project

- Each project can receive up to 100,000 € for the Egyptian partner(s).
- Incentives for the project's team must not exceed 25% of the Egyptian Total Project Budget. Also, STDF abides by its approved scheme for incentives which takes into consideration each team

member's academic credentials and the percentage of time spent on performing the project's activities.

- Indirect Cost: must not exceed 20 % of (Total Direct Cost minus Equipment cost).

Note: Egyptian Total Project Budget is equal to the Total Direct Cost plus the Indirect Cost

Additional requirements

- Before Contracting:

- ❖ The proposals of the Egyptian partner must include a scanned copy of the signed and stamped endorsement letter by the legal representative of the applicant's institution stating the project title, the name, position and affiliation of the applicant in charge of the proposal, that the project idea was not funded or submitted to another agency (national or international), or otherwise declare, and that the institution approves the project.
- ❖ The applicant must submit evidence of obtaining all the clearances and permits needed by the relevant national authorities.

According to STDF rules, STDF must be acknowledged in all the published results and outcomes of its funded projects

National/regional topic priorities:

STDF will support projects within the entire scientific scope.

More details:

See the Call announcement (www.stdf.eg/).



IVORY COAST - Strategic Support Program for Scientific Research (PASRES)

Funding Organisation: Strategic Support Program for Scientific Research (PASRES)



Indicative Budget: 100.000 €.

Funding Programme: PASRES

National/Regional Contact Point:

contact person:	email:	telephone:
Annette OUATTARA	annetteouattara@yahoo.fr	+225 03635199

Eligibility criteria:

Applications submitted under this call must comply with the general rules and conditions governing the financing of projects at PASRES (www.csr.ch/pasres).

Only researchers from universities and research institutes can apply for this call.

The duration of the project is 36 months maximum. An extension period of no more than 12 months can be organized on request. PASRES will carry out a budget and scientific evaluation for each research project.

Specific submission procedures must be scrupulously respected.

PASRES will allocate a budget of 20,000 euros per funded project.

These include a project duration of 3 years, a budget ceiling.

It is expected that applications for this call will be collaborative research grants with the composition of the consortium as defined in the call documents, and PASRES will fund the State of Côte d'Ivoire from any successful transnational collaboration.

National/regional topic priorities:

- Agriculture and Food Security
- Economics
- Energy
- Environment and Biodiversity
- Engineering and Technology
- Exact Sciences
- Human Sciences
- Legal Sciences
- Medical Sciences.

More details:

The official announcement of the national call in Côte d'Ivoire will be published on PASRES website: <http://www.csrs.ch/pasres>.

Applicants are advised to contact their National Contact Point before starting to prepare proposals for application.



KENYA – Ministry of Education Science and Technology (MOEST)

Funding Organisation: Ministry of Education Science and Technology
(MOEST)



Indicative Budget: 300.000 €

Funding Programme: Each project will be provided a max of KES: 8 Million for over a period of 36 months to be paid in equal annual instalments.

National/Regional Contact Point:

contact person:	email:	telephone:
Eric Mwangi	emwangi23@yahoo.com	+254 20 22 19 420 / +254 725 51 97 29
Jacob K. Njagih	kamwariajacob@gmail.com	+254 20 22 19 420 / +254 7212812017

Eligibility criteria:

Who can apply?

Research proposals may be submitted by: Researchers from public and private institutions
(Universities, Research Organisations, NGO's and Private Sector)

What type of costs are eligible for funding?

- ❖ Personal costs
- ❖ Travel
- ❖ Subsistence
- ❖ Equipment and materials
- ❖ Publication and dissemination
- ❖ Research exchange visits
- ❖ Project meetings

Additional requirements

Evidence of previous experience in managing donor funded scientific research and innovation collaborative projects outside Kenya.

National/regional topic priorities:

N/A

More details:

N/A



MOROCCO – Ministry of National Education, Professional training, Higher Education and Scientific Research (MENFPESRS)

Funding Organisation: Ministry of National Education, Professional training, Higher Education and Scientific Research - Department of Higher Education and Scientific Research (MENFPESRS)



*Royaume du Maroc
Ministère de l'Éducation Nationale, de la Formation
Professionnelle, de l'Enseignement Supérieur et de la Recherche Scientifique
Département de l'Enseignement Supérieur et de la Recherche Scientifique*

Indicative Budget: 400.000 €

Funding Programme:

National/Regional Contact Point:

contact person:	email:	telephone:
Ahmed HAMMOUCH	hammouch_a@yahoo.fr / ah.hammouch@gmail.com	+212 5 37 21 76 49
Abdelouahid EZZARFI	a.ezzarfi@yahoo.fr	+212 6 72 21 03 27
Anas CHOKAIRI	chokairi.anas@gmail.com	+212 5 37 21 76 53 / +212 6 72 21 03 57

Eligibility criteria:

Who can apply?

- ❖ Public universities;
- ❖ Universities from the Public-private partnership in collaboration with public universities;
- ❖ Non-university institutions in partnership with public universities;
- ❖ Public research institutions in partnership with public universities.

What type of costs are eligible for funding?

Funds can be used to cover the following costs:

No levy by research institutions is allowed from the budget allocated to the research projects;

Permanent staff can not receive research allowances. The remuneration of the non-statutory staff (PhD students, post-docs and CDD) participating in the project can be financed (Comply with the joint decision of 14 January 2016 concerning the management of the own resources of public institutions of higher education and scientific research);

Costs requested for Research allowances, travel and mission expenses can not exceed 60% of the total budget allocated to the Moroccan team;

The budget requested for the first payment can not exceed 60% of the total budget allocated to the Moroccan team;

The second payment will be made only after validation of the mid-term report.

Eligible expenses

Rubriques	Budget demandé (DH)	Premier versement (DH)	Deuxième versement (DH)
Dépenses du personnel			
Indemnités liées aux travaux de recherche et de prestation de service (Bourses des doctorants, CDD, ...)			
Taxes postales et frais d'affranchissement			
Taxes et redevances pour l'utilisation des lignes de réseaux spécifiques			
Taxes et redevances de télécommunications			
Matériel, Mobilier de bureau et fournitures			
Achat de fournitures de bureau, de papeterie et d'imprimés			
Achat de fournitures informatiques			
Achat de matériels informatiques			
Achat de matériels scientifiques			
Achat de matériels et mobilier de bureau			
Achat de réactifs, kits et produits chimiques			
Entretien et réparation			
Entretien et réparation de matériels scientifiques et informatiques			
Transport et Déplacement			
Indemnités de déplacement à l'intérieur du Royaume			
Indemnités Kilométriques			
Frais de transport au Maroc et à l'étranger			
Frais de transport des missionnaires et chercheurs étrangers			

Frais de mission à l'étranger			
Frais de séjour des missionnaires étrangers au Maroc			
Autres Dépenses			
Frais de documentation, d'impression et de publication			
Achat de matières premières et de petit outillage			
Frais de réalisation de maquettes et de prototype			
Frais de démonstration et de publicité			
Frais d'étude, d'analyse et de sous-traitance			
Frais de participation aux séminaires			
Frais d'organisation de séminaires			
Frais de dépôt et de gestion des brevets, de licence et/ou de droit auteur			
Total			

Additional Requirements

The maximum budget granted for each Moroccan partner is **65.000 €** with a ceiling of **130.000 €** per project;

National/regional topic priorities:

N/A

More details:

N/A



SENEGAL – Ministry of Higher Education, Research and Innovation (MESRI)



RÉPUBLIQUE DU SÉNÉGAL
UN PEUPLE - UN BUT - UNE FOI
MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR
ET DE LA RECHERCHE

Funding Party: Ministry of Higher Education, Research and Innovation (MESRI)

Indicative Budget: 100 000 €

Funding: Programme: Fond d'impulsion de la recherche scientifique et technique (FIRST).

National/Regional Contact Point:

contact person:	email:	telephone:
Soukeye Dia Tine	soukeye.diatine@gmail.com	+221 77 64 40 590

Eligibility criteria:

Who can apply?

Research proposals may be submitted by:

- ❖ Researchers, inventors, research institutions of senegalese nationality
- ❖ Public and private sectors which support research and popularise research results
- ❖ Activities related to technological innovation and the intellectual protection of research results.

A multi-institutional approach is encouraged and pay attention to a balanced involvement of female and young researchers. This will be positively considered.

What type of costs are eligible for funding?

Funds can be used to cover the following costs:

- ❖ Research related costs: Activities to be supported here may include related costs to communication and publication, research-related trips, research equipment (small equipment) and consumables etc.
- ❖ Doctoral and postdoctoral research placements: Activities to be support here concern young researchers
- ❖ Salaries for technicians

- ❖ Travel costs, Meeting costs
- ❖ Exchange programmes: To support transport and accommodation costs of the research team between the partnering countries.
- ❖ Knowledge sharing costs: Cover the costs of activities organised by the consortium, such as joint workshops, seminars, conferences, symposia, lecture presentations, capacity building sessions, meetings.

Additional Requirements

Companies or NGOs involved in the joint projects are expected to cover their own costs of participation.

National/regional topic priorities:

N/A

More details:

- the Senegalese project must be submitted with the formal approval of the Ministry of Higher Education, Research and Innovation, by a support letter issued at the request of the applicant;
- funding requested from Senegal must not exceed 35,000 € per project



SOUTH AFRICA – National Research Foundation (NRF)

Funding Party: National Research Foundation (NRF)



Indicative Budget: R4.8 mil (around 295.000 €) total budget

Funding Programme:

- ❖ A total of 4 projects/consortia will be funded.
- ❖ Each project will be provided a max of R1.2 mil (around 73,500 €) for over 36 months to be paid in annual instalments of R400K per annum per project.

National/Regional Contact Point:

contact person:	email:	telephone:
Prudence Makhura	prudence.makhura@nrf.ac.za	+27 124814077
Lebogang Mpetle	Lebogang.mpetle@nrf.ac.za	+27 124814143

Eligibility criteria:

Who can apply?

This call is open to working researchers residing in South Africa and affiliated with a recognised South African higher education or research institution such as a university, university of technology or science council. The South African applicant (i.e. the main Principal Investigator) must be in possession of a PhD. A multi-institutional/ consortia approach is welcomed. Therefore, applicants are allowed to collaborate with other partners such as science councils, universities, NGOs, and private companies/ SMEs. However, the NGO and/or industry/ SME participants are expected to meet their own participation costs in the joint project. Joint projects that involve young, emerging and/or early-career researchers (through exchange programmes or short placements) and pay attention to a balanced involvement of female and black researchers will be positively considered. In terms of South Africa's transformation agenda, applications from historically disadvantaged higher education institutions and the involvement of previously disadvantaged individuals will be prioritised.

What type of costs are eligible for funding?

Support will be provided for collaborative, multilateral basic and applied research projects. Funds can be used to cover the following costs:

Research related costs: Activities to be supported may include expenses relating to field work such as conducting interviews, research-related trips, research equipment (small equipment) and consumables, publication related costs, etc.

Exchange programmes: To support short term mobility or travel expenses (i.e. transport and accommodation costs) of the research team between the partnering countries.

Doctoral and postdoctoral research placements: The placements should enable young researchers to (1) learn valuable new skills or techniques; (2) access facilities or resources not readily available at home; (3) build relationships with potential new collaborators; and (4) advance complementary collaborative research. The duration of each placement is expected to be 3-6 months; with flexibility to split the placement into several shorter visits. Longer placements may be undertaken where this would add value and these should be justified within the application. Placements must enhance, not replace, the standard training and study support that both the doctoral and postdoctoral researchers receive.

Knowledge sharing costs: In support of activities organised by the consortium, such as joint workshops, seminars, conferences, symposia, lecture presentations, capacity building sessions, meetings, local/regional dissemination of results aimed at involving stakeholders, and/or end users from outside the consortium.

Joint FOSC workshops: Travel costs for the kick-off, mid-term and final conference for all granted projects should be included in the knowledge sharing costs.

The following will **NOT** be funded from this grant allocation:

- ❖ Salaries, temporary staff fees and consultant's fees
- ❖ Educational expenses (i.e. scholarships and/or bursaries, etc.)
- ❖ Large Equipment
- ❖ Project management fees

Additional Information

Please note that the funds indicated above cannot be used for educational expenses such as scholarships/ bursaries. However, the South African applicants (main Principal Investigators) interested in supporting postgraduate students should encourage their postgraduate students within their FOSC projects to apply for the NRF postgraduate free standing scholarship opportunities.

The NRF has developed a new Postgraduate Student Funding Policy that will use postgraduate student funding as a lever to address the challenges of inequity of access, success and throughput. The policy is underpinned by the pursuit of research excellence in all of its dimensions and has transformation of the postgraduate cohort as the core objective. Its purpose is to retain high academic achievers in the system to pursue postgraduate studies up to the doctoral level, as part of a national drive to grow the next generation of academics to sustain South Africa's knowledge enterprise. The NRF is prioritising postgraduate students with research inclination, with the aim to grow the pool of early career researchers. Another motivation for this policy is to fast-track the development of postgraduate students in high-impact, priority and vulnerable disciplines critical for national socio-economic development.

From the 2021 academic year onwards, the NRF will be phasing out the block grant nomination process as well as the grant-holder linked modalities of funding postgraduate students. All the postgraduate students will be expected to apply on the NRF Online Submission System by accessing the link: <https://nrfsubmission.nrf.ac.za/>. This single entry point will allow the NRF to co-ordinate the applications that have not yet had the financial means test conducted, this financial means test will be conducted by Ikusasa Students Financial Aid Programme (ISFAP). Postgraduate students will be funded either at Full Cost of Study (FCS) or Partial Cost of Study (PCS) under the new policy. To ensure equity of access to postgraduate studies, financially needy students (i.e., those whose combined household income is R350 000 per annum or less) and students with a disability will be funded at FCS. Academic high fliers achieving a distinction or first-class pass will also be eligible for funding at FCS. International students as well as any other South African students who could not be funded under FCS will be funded at PCS. The academic minimum requirements for NRF postgraduate funding is 65% in order to be eligible for FCS and PCS support.

Further instructions on the Student Support application process can be accessed through the **Application and Funding Guide for the Masters and Doctoral Scholarships** for full-time studies - <https://www.nrf.ac.za/division/funding/call-nrf-postgraduate-scholarships-2021>.

National/regional topic priorities:

No thematic restrictions. The NRF will support projects within the entire scientific scope of the call.

More details:

For the full proposal phase, applicants should submit their applications by 15 November 2020 via the FOSC submission website <https://ptoutline.eu/app/fosc>. The South African applicants (i.e. main Principal Investigators) should also submit their applications electronically to the NRF via the NRF Online Submission System at <https://nrfsubmission.nrf.ac.za>. **South African Principal Investigators MUST consult their institutions for internal closing dates. Designated Authorities must submit to the NRF no later than 15 November 2020.**

Please note that the following steps should be followed when submitting the full proposal via the NRF Online Submission System:

- Applications must be submitted under the “2020 Research Grants (International)” – “FOSC Joint Call”.
- All compulsory sections and the CV sections on the NRF Online Submission System must be completed in full.
- Required compulsory documents should be attached in PDF format in the following order:
 - A supporting letter from the FOSC coordinators confirming that the researcher has been invited to submit a full proposal, copy of the actual pre-proposal that was reviewed, and CVs of the South African Principal Investigators and their partners.
- Failure to submit compulsory documents will result in the disqualification of the application.

- Complete applications will go to the host institutions for verification before being forwarded to the NRF for further processing.
- Applications submitted outside the NRF Online Submission System will not be submitted for reviews.
- No hard copies will be accepted and will automatically be disqualified by the NRF.
- Only applications endorsed by the research office or its equivalent at higher education institutions will be accepted.
- You are encouraged to contact your research office or Designated Authority if you have any queries.
- **After completing your application process on the NRF Online Submission System, kindly communicate with Mr. Lebogang Mpetle on email: Lebogang.Mpetle@nrf.ac.za or tel. +27 12 481 4143 notifying him of your application for further processing.**

Please note that South African full proposals not submitted via the NRF Online Submission System will not be submitted for reviews.



HONDURAS – Honduras Foundation for Agricultural Research (FHIA)

Funding Party: Honduras Foundation for Agricultural Research (FHIA)



Indicative Budget: 226,000 € (250,000 USD)

Funding Programme: Research and implementation resilient agroforestry production systems in the humid tropical with farmers for food safety, protection of natural resources, biodiversity and sustainable economic development.

National/Regional Contact Point:

contact person:	email:	telephone:
Adolfo Martínez	adolfo_martinez@fhia-hn.org	+504 2668-1191
Victor González	victor_gonzalez@fhia-hn.org	+504 2688-2887

Eligibility criteria:

The amount financed by FHIA should be transferred to research groups with specific interest towards diversification programs, banana and cacao Agroforestry in Honduras.

National/regional topic priorities:

Agroforestry productions systems, climate change adaptation food security, natural resource restoration and conservation.

More details:

More information in www.fhia.org.hn

Please contact the national contact point.



PANAMA – National Secretary of Science, Technology and Innovation (SENACYT)

Funding Party: National Secretary of Science, Technology and Innovation (SENACYT)



Indicative Budget: 27.000 € (30.000 USD)

Funding Programme:

National/Regional Contact Point:

contact person:	email:	telephone:
Milagro Mainieri	mmainieri@senacyt.gob.pa	+507 5170034
Maria-Lourdes Olivares	molivares@senacyt.gob.pa	+507 5170014

Eligibility criteria:

All the activities, projects and programs of SENACYT aim to strengthen, support, induce and promote the development of science, technology and innovation with the purpose of raising the level of productivity, competitiveness and modernization in the private sector, government and academic-research sector. The amount financed by SENACYT should be transferred to national research groups or national research organizations.

National/regional topic priorities:

Climate change adaptation, agriculture, food chain, sustainable production, food security, natural resources restoration and conservation.

More details:

N/A

FOSC – Assessing the impact of climate change on food and nutrition security and designing more sustainable and resilient food systems in Europe, Africa and Latin America



Submission User Manual

published 5th 08 2020

Deadline for submission of pre-proposals:

February 12, 2020, 17:00 h (CET)

Deadline for submission of full proposals:

November 15, 2020, 17:00 h (CEST)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 862555.

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Background

Today's world faces one of the biggest challenges of the 21st century: how to feed 9 to 10 billion people by 2050. Meeting this need based on current patterns of food consumption and production will increase the pressure on already scarce natural resources. Food is essential for all human beings; global peace and stability are largely underpinned by the ability to provide healthy diets for all. Sustainable Food and Nutrition Security in a changing world is thus an increasingly urgent challenge. This is due to the combined effects of increasing natural resource scarcity (e.g. water, soil), environmental degradation (e.g. loss of biodiversity), the need to reduce greenhouse gas emissions, changing demographics and wealth, migration and geopolitical instabilities. Climate change represents an additional threat, and is already undermining agriculture and food systems in many regions, making it more difficult to achieve food security and nutritional goals, and to reduce poverty. Climate change will affect food systems globally and is a major issue for all countries. However, impacts on low-income countries are expected to be particularly strong.

The above trends make it clear that we cannot continue to adopt a 'business as usual' approach if we are to develop and implement sustainable and resilient solutions. We have to address the challenges and related national commitments that lie at the heart of the Paris Agreement on Climate Change and the UN Sustainable Development Goals (SDG). Ensuring Food and Nutrition Security in the long-term, while containing global warming within 1.5 or 2°C, will require a societal-level and systemic transformation of our current-day, predominantly short-term vision of food systems. This transformation will also require a change in culture, including the transformation of education and training, and an overall change in consumption patterns and citizens' behaviour.

The implications for the food system as a whole – including production, processing, retail, consumption, waste disposal, regulatory, institutional and social environment, ecosystems/biodiversity, and human nutrition and health- require the combination of:

- incremental adaptation (precision agriculture, remote sensing, increased efficiency, waste reduction...);
- systemic adaptation (soil and water resources conservation, increased use of genetic diversity...);
- transformative adaptation (redesign of farming systems, agroecology, agroforestry, supply chain transformation, dietary shifts...).

Concurrently, we must ensure that food systems are robust to the impacts of climate change, for example on food availability, quality, or price. Furthermore, both co-benefits and adverse side-effects may exist between climate change adaptation and mitigation. The idea of "Climate-smart" food systems is an integrated approach to dealing with the natural, technical, economic and social aspects of several interlinked activity areas of primary agriculture, food production and processing, retail and consumption, and food waste.

Transforming our food systems from farm to fork provides an opportunity to develop approaches, technologies and business models that will concurrently improve environmental and health aspects, sustainability, employment opportunities, prosperity, equity and the wellbeing of human communities.

FOSC brings together owners and managers of national and regional R&D&I programmes of EU Member States, EU-associated States, African States, Latin American States and third countries with significant experience in research funding and coordination.

FOSC aims to connect research partners with different but complementary scientific and technological expertise to maximise resources and share risks, costs and skills. Funding under FOSC's co-funded Call will support basic and applied food systems and climate research.

Introduction

This submission user manual provides information for applicants to ensure a smooth application to the first call within the ERA-NET Cofund FOSC. The information about the ERA-NET as well as the relevant documents can be found at the official FOSC website: www.foscera.net.

In order to submit proposals, the project coordinators must follow this link:

<https://ptoutline.eu/app/fosc>.

The submitted proposals must be multidisciplinary and should address **at least one** of the following topics:

- **Assess climate change-related risks for food value chains, including impacts on producers, prices, availability, quality, international trade and food security, and resulting changes in consumer behaviours;**
- **Promote innovative technology deployment to build sustainable and resilient food value chains influenced by changing food needs and patterns, and to develop better efficiency of the inputs and outputs of food systems;**
- **Improve resilience and reduce volatility in agri-food production and food markets to sustainably improve food security in the context of climatic variation;**
- **Reduce food losses under climate change, including novel approaches to valorise side streams and reduce food waste.**

Funding will be provided for scientifically and technologically excellent projects managed by universities, other research organisations and companies from FOSC partner countries. Funding will follow the *nationality principle* meaning each participating national or regional funding agency will fund its respective national/regional research partners in a particular project consortium. Note that national / regional budgets differ, which limits funding possibilities for lower ranked proposals.

- ➔ ***Please carefully check the national/regional funding regulations (see “National/Regional Funding Regulations” documents on www.foscera.net) because some of the topics described below may not be suitable/eligible for all funding bodies.***
- ➔ ***Please carefully check the eligibility criteria (see “Guidelines for Applicants” on www.foscera.net) to ensure your proposal meets the criteria***

Timeline

The call involves a 2-step procedure with submission and selection of pre-proposals and, subsequently, invitation of shortlisted consortia to submit full proposals. The respective time schedule and activities required are listed in the table below.

Date	Action
4th November 2019	Pre-announcement Co-funded Call
20th December 2019	Launch of the call
19th February 2020	Deadline pre-proposals
17th August 2020	Eligible pre-proposals are invited for 2nd step
15th November 2020	Deadline full proposal
2nd March 2021	Applicants are informed of the selection results + start of national negotiation
March 2021 – June 2021	Start of projects

Use of the online submission tool

THE PROJECT COORDINATOR

Each Project Consortium needs to appoint a Project Coordinator, who has the following role and responsibilities:

- Be the primary point of contact between FOSC and the Project Consortium from the submission of the (optional) pre-registration until the publication of the final report.
- Submit the application on behalf of the Project Consortium.
- Compile and submit reports and other deliverables to FOSC on behalf of the Project Consortium.
- Ensure that all project milestones and deliverables are met and take action according to the project management plan if one or more partners fail to deliver.
- Inform the Call Secretariat of FOS about any event that might affect the progress of the project.

PRE-PROPOSAL APPLICATION

The pre-proposal shall be submitted online via the FOSC submission tool. All fields in the tool are mandatory. It is the responsibility of the Project Coordinator to enter the data online. Information includes:

1. General Information (Project title, acronym, thematic research area, involved continents/countries, project duration, scientific abstract, privacy statement)

2. Information required about the Project Coordinator and all the partners is as follows:

- Academic Title
- Contact First Name
- Contact Last Name
- Status of Organisation
- Name of Organisation/Institution/Company
- Department
- Street + No.
- Zip/Postal Code
- Town/City
- Country
- Email Address
- Telephone Number
- Mobile Phone Number
- Fax Number
- Task(s)

3. Financial details (estimated costs of the partner for implementing the project in EUR (€))

These include costs **per partner** per year in EUR (€) as well as Person Month planned per Workpackage, other sources of funding and cost explanation.

4. Project description

The space in the proposal part “**Project description**” is limited to **5 pages** (DIN A4, Arial 10pt, line pitch at least 1.15) in the pre-proposal phase. Implementation of up to three graphics/images is allowed and possible (allowed formats are jpg, png or gif, max. resolution 600x600px, max. file size **4 MB**). No additional documents will be considered.

Furthermore, it is required to upload **CVs** of Coordinator, Work Package leaders and other main contact persons per partner: Please upload ONE FILE compiling the CVs of Coordinator, Work Package Leaders and other main contact persons per partner (incl. the person applying for funding). Please respect the maximum of 3 pages per person incl. personal data, education, work experience, current position, expertise/ activities with relevance for the proposed project, publications with relevance for the proposed project, awards (i.a.)

Your file should not exceed **3 MB** in size. It may take some minutes to complete the upload. (PDF, max. 3 MB)

In completing the application form online, it is strongly recommended to regularly save any changes (button at the bottom of each page) in order to avoid any data loss. For security issues, an automatic logout is set up within this tool.

Note: Although no specific description of the data management of the proposed project is foreseen in the pre-proposal, the consortia must consider the costs for data management, communication and dissemination activities in their proposals. Please also check the national/regional funding regulations, if these costs can be covered by your funding body.

In addition, in order to exclude individual conflicts of interest, the applicants are encouraged to provide a maximum of two persons (e.g. direct competitors), who should be excluded from reviewing the proposal. The full name(s), affiliation (research institution, organisation) and reason for refusal of the expert(s) has to be provided during proposal submission. The information will be confidentially treated.

Data entered by the coordinator and the project partners in the FOSC submission tool will be saved in a database and will be used to generate the pre-proposal document. The pre-proposal document is available, for information only, at any time for download and provides an overview of all entered data (it is not required e.g. to print it and send a hardcopy to the Call secretariat).

Applicants should note that **information given in the pre-proposal is binding and cannot be changed in full proposals**, in particular, neither the composition of the consortia nor the funding requested by each partner in the second step unless explicitly requested by a Funding body or the International Expert Panel.

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

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

For any technical questions regarding the submission, please contact the Call secretariat.

IMPORTANT: it is **NOT** possible to submit your pre-proposal several times, but you can save versions in between. The old version will be replaced electronically by the newest version until the deadline. **Once submitted, you cannot apply changes anymore**

FULL PROPOSAL APPLICATION

Only research consortia which have successfully passed the first step will be invited to submit a full proposal. The deadline for submitting full proposals via <https://ptoutline.eu/app/fosc> is **November 15, 2020 (17:00 CEST)**.

The basic project data, such as project title, project acronym, project area, project duration, consortium composition, project coordinator, TRL level, total requested funding, requested funding by each partner etc., provided in the pre-proposal cannot be changed in the full proposal phase.

Completing the full proposal form

- Please check the information given in your full proposal and make sure it is correct.
- No changes in the core data submitted with the pre-proposal are allowed. If you feel that any changes are necessary, please contact the FOSC Call secretariat for approval.
- Please follow the template and be aware that the project description should allow the evaluators to assess properly all evaluation criteria as laid down in the Call Text (Announcement).
- Your full proposal must include a separate
 - Data management plan **(one A4 page)**
 - Communication, dissemination and exploitation plan, reaching out to the wider public **(one A4 page)**.
- The project description is limited to a maximum of **20 DIN A4** pages (Arial 11pt, line pitch at least 1.15). Up to 1 additional DIN A4 page (Arial 11pt, line pitch at least 1.15) is foreseen for the publishable project summary. Different subsections may vary in length. Implementation of up to six 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.

IMPORTANT: it is **NOT** possible to submit your full proposal several times, but you can save versions in between. The old version will be replaced electronically by the newest version until the deadline. **Once submitted, you cannot apply changes anymore**

2019 Joint Call of the ERA-NET Cofund on Food Systems and Climate



Template for Pre-proposals

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

The submission must be done online via <https://ptoutline.eu/app/fosc>



*This project has received funding from the European Union's Horizon 2020
research and innovation programme under grant agreement No 862555.*

FOSC Joint Call 2019 – Template for Pre-proposals

The Call invites proposals for collaborative research and innovation from transnational consortia of industry, SMEs, stakeholder associations and research organizations which are expected to make a significant impact on the issue of “Assessing the impact of climate change on food nutrition security and designing more sustainable and resilient food systems” in Europe, Africa and Latin America.

Funding will support basic research and application-oriented research activities, which will greatly improve coherence and generate stronger synergies in the thematic areas of climate change impact on food and nutrition security.

Partners will facilitate an active exchange of ideas, concepts and knowledge between participants from all relevant fields. This document announces the first trans-continental Call for proposals in the field of food systems and climate, within the framework of the ERA-NET-Cofund on Food Systems and Climate (FOSC).

- **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/offline use only. In any case the **submission must be done online** via <https://ptoutline.eu/app/fosc> before the deadline **February 19th, 2020, 17:00h (CET)**.
- Pre-proposals must be written in **English**.
- Please check whether your national funding organization(s) requires any further information.
- Please note that the part **“Project description” should not exceed 5 pages** (Arial 10pt, line pitch at least 1.15).
- **National/regional funding regulations are applied within this joint call.** In addition to the general rules and procedures laid down in this document, there may be specific national rules to be followed by the applicants. **It is strongly recommended that these are checked with the contact person at the respective funding body before submitting a proposal.**

For detailed information on call topics, rules for participation etc. please see the Call Document at the FOSC website. For technical guidance on the submission tool see instructions on the submission website.

FOSC Call Secretariat

FOSC coordination and technical helpdesk for the submission system

Project Management, [Federal Office for Agriculture and Food \(BLE, Germany\)](#)
email: Lucie.Andeltova@ble.de

FOSC Submission Webpage: <https://ptoutline.eu/app/fosc>

FOSC website: www.foscera.net

General Information

Project Data	
Project Acronym	
Project full title	
Involved partner countries	
Start date	End date
Project duration	

Thematic Research Area

The submitted proposal addresses the following topic(s):

- Assess climate change-related risks for food value chains, including impacts on producers, prices, availability, quality, international trade and food security, and resulting changes in consumer behaviours
- Promote innovative technology deployment to build sustainable and resilient food value chains influenced by changing food needs and patterns, and to develop better efficiency of the inputs and outputs of food systems
- Improve resilience and reduce volatility in agri-food production and food markets to sustainably improve food security in the context of climatic variation
- Reduce food losses under climate change, including novel approaches to valorise side streams and reduce food waste.

KEYWORDS

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

Scientific abstract

*This summary may be used for communication and dissemination activities in the event of your project being selected for funding. **Please make sure that it is publishable.***

The project summary should not exceed 2000 characters

Project summary: (max. 2,000 characters incl. spaces)

COORDINATOR (required information)

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

Financial details
Incl. e.g. personnel cost, travel, sub-contracting, investments, other

Person month/workpackage

Sources of funding

Name of respective funding organisation (please choose)

I hereby declare that I have read and understood the national regulations for my country (Obligatory)

I have contacted the respective funding agency (Recommended)

Total requested public funding, own contribution

Tasks

Task(s) within the project (*max. 4,000 characters incl. spaces*)

Cost explanation

Please give details on the costs you will incur. Please state, as far as possible at this stage.

PARTNER N (one file per partner)

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

Financial details
Incl. e.g. personnel cost, travel, sub-contracting, investments, other

Person month/workpackage

Sources of funding

Name of respective funding organisation (please choose)

The project partner has confirmed that he/she has read and understood the national regulations for their country (Obligatory)

The project partner has contacted the respective funding agency (Recommended)

Total requested public funding, own contribution

Tasks

Task(s) within the project (max. 4,000 characters incl. spaces)

Cost explanation

Please give details on the costs you will incur. Please state, as far as possible at this stage.

Data upload

Upload project description

Please use the FOSC full proposal project description template (available at <https://ptoutline.eu/app/fosc>), no other formats are accepted. Please note the max. limit of 5 pages (Arial, font size 10). Your file should not exceed **4 MB** in size. It may take some minutes to complete the upload. **(PDF, max. 4 MB)**

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, African and Latin American research and Innovation, and the necessary resources,
- d) provide information on the project management and responsibilities of the project partners and give a short overview of the division of the collaborative project into work packages,
- e) be in line with the requirements stated in the Call Document and the National and Regional Funding Regulations.

Upload field: (Max allowed file size: 4 MB)

CURRICULUM VITAE (COMPILED)

Please upload ONE PDF FILE compiling the CVs of Coordinator, Work Package Leaders and other main contact persons per partner (incl. the person applying for funding). Please respect the maximum of 3 pages per person (DIN A4, Arial 11pt, line pitch 1.15, max. 2 MB) with the following structure: personal data, education, work experience, current position, expertise/ activities with relevance for the proposed project, publications with relevance for the proposed project, awards (i.a.)

Your file should not exceed **3 MB** in size. It may take some minutes to complete the upload.

Upload field: (Max allowed file size: 3 MB)

Industry involvement

If industry involvement is foreseen: Letter of Commitment: from each industry partner (**PDF, max. 3 MB**)

Upload field: (Max allowed file size: 3 MB)

Other source of co-funding

If applicable, Preliminary Letter of Commitment from any source of co-funding (other than funding organisations participating in the call, e.g. industrial co-funding, funding for third country partners) (**PDF, max. 3 MB**)

Upload field: (Max allowed file size: 3 MB)

Evaluators

You may name a maximum of two experts who should not review your proposal because of conflict of interest.

Please enter the full name(s), affiliation (research institution, organization) and reason for refusal of the expert(s).

Short list of refused experts for your proposal: (max. 2000 characters incl. spaces)

--

Ethical Compliance

Does your proposed project include ethical issues?

yes

no

If yes, please address these issues. Proposals may be rejected from funding on ethical grounds if they do not comply with the European and national/regional legislation.

Ethical aspects of the project: (max. 4,000 characters incl. spaces)

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2019 Joint Call of the ERA-NET Cofund on Food Systems and Climate



FOSC

Template for full proposals

This template, displaying the content of a full proposal,
is provided for information/offline use only.

The submission must be done online via <https://ptoutline.eu/app/fosc>



*This project has received funding from the European Union's Horizon 2020
research and innovation programme under grant agreement No 862555.*

PROJECT DESCRIPTION (max. 20 pages total)

1. OBJECTIVES AND STATE OF THE ART (recommended length 2,5 pages)

Project objectives; scientific and technological objectives; progress beyond state-of-the art (including existing or pending patents or similar); innovation

2. WORK PLAN (recommended length 7 page)

Detailed overview of the work proposed, broken down into main tasks or work packages, should describe the work completed by each partner (brief description of each partner's contribution and role in the project)

3. PROJECT TIMETABLE AND MILESTONES (recommended 2,5 page)

Besides text, please visualize the timetable as with the table below or in a similar format

Task	Year 1				Year 2				Year 3				P1 (Partner 1)	P2	P3	P4	P5	P6
1.1																		
1.2																		
1.3																		
2.1																		
2.2																		
2.3																		
2.4																		
2.5																		
3.1																		
3.2																		
3.3																		
4.1																		

Sample table for project timetable.

4. DESCRIPTION OF TRANSNATIONAL COOPERATION (recommended length 3 page)

National vs. transnational aspects, added value of the project and its impacts which result from transnational cooperation incl. the added value for the European, African and Latin American Research and Innovation

5. EXPECTED RESULTS AND IMPACT (recommended length 3 page)

Explain the industrial/societal/environmental relevance of the project and describe the impact in a trans-European perspective especially with a view to exploitation/dissemination