



ERA-HDHL Call: Knowledge Hub on Food and Nutrition Security

**In collaboration with
JPI-OCEANS and FACCE-JPI**

**Submission deadline Expression of Interest:
4th April 2019 at 15.00 CEST**

<https://healthydietforhealthylife.eu/index.php/joint-actions-submission-page>

For further information, please visit us on the website:

<http://www.healthydietforhealthylife.eu/>

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1. Background

Research and innovation in food systems plays a key role in addressing several of the sustainability goals set by the United Nations. The European Commission aims to tackle food and nutrition security (FNS) with research and innovation policies designed to future-proof food systems through a systemic approach referred to as FOOD2030.

Food and nutrition security (FNS) was defined in 2012 at the 39th session of the World Committee on Food Security as:

“All people at all times have physical, economic and social access to food, which is safe and consumed in sufficient quantity and quality to meet their dietary needs and food preferences, and is supported by an environment of adequate sanitation, health services and care, allowing for a healthy and active life”.

Providing FNS in a changing world is an urgent objective due to the increasingly interconnected challenges of natural resource scarcity, climate change, and population growth, which affect food systems in Europe and globally. The objective of FOOD 2030 is to contribute to the transformation of European food systems so as to make them 'future-proof', i.e. sufficient, sustainable, resilient, responsible, diverse, competitive and inclusive.

Ensuring food and nutrition security is a complex issue, requiring an integrated food systems perspective. FACCE-JPI, JPI HDHL and JPI Oceans cover the necessary scientific fields to ensure integrated research across the whole food system, and therefore have the opportunity to create a bigger impact towards tackling societal challenges related to food and nutrition security.

The 3 JPIs have decided to establish a cross sectorial knowledge hub with mandate to look at the impact of climate change on the nutritional quality and composition of food; understand the consequences on human diets and health; and to propose adaptive strategies/ measures to ensure global/ European food and nutrition security.

1.1. Definition of Knowledge Hub

A Knowledge Hub (KH) is a flexible instrument that allows for research, networking and coordination, as well as capacity building with the aim to aligning and adding value to the nationally funded research at the European level. The purpose of the KH is to:

- increase facilitation of transnational research activities between individual researchers, research groups and research organisations in order to build a productive network of complementary competences in the field of food and nutrition security.
- provide added value by bringing together complementary competences through knowledge flow from scientific research towards practice.
- support a more integrative and multidisciplinary approach and ensure the involvement of key stakeholders.

The specific focus in terms of these activities will be partly determined by the aim call (see 2) described below but will be further narrowed down based on the capacity of the researchers and their related projects selected for the Knowledge hub.

2. Aim of the call

The overall aim of the Knowledge Hub on Food and Nutrition Security is to foster transnational and multidisciplinary collaboration and networking in order to accelerate, further characterize



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and to manage the impact of climate change on nutritional make-up of food, and to propose adaptive strategies/ measures to ensure food and nutrition security.

There is a need to understand how climate change affects the nutritional composition of food as well as food systems generally. There is a need to understand how climate change affects the nutritional composition of food (macro- and micronutrients, food quality) as well as food systems generally in order to develop resilient and sustainable food systems, including the improvement of feed for farmed animals on land and sea. With this information available, different interventions should be sought along the food value chain to achieve sustainable nutritious and resilient food systems- from improved nutritional quality of production, through processing and transformation, and eventually to human consumption and health

Cross cutting activities should be carried out, including education, outreach, data sharing, standardization, harmonization and new research, to support a knowledge flow from scientific research towards practice. This will support a multidisciplinary approach and ensure the involvement of key stakeholders. Dialogue and co-design with stakeholders is crucial for acceptance and uptake of the research outcomes among societal actors.

Specifically, the knowledge hub should identify knowledge gaps and key challenges and possible adaptive measures improvements and new research across at least two of the following themes – ensuring to include the societal challenges of the three JPis:

- **Enhancement of the nutritional composition and bioavailability of nutrients in food by bio-fortification via crop breeding, agronomic improvement and marine interventions.**

Biofortification is the process by which the nutritional quality of food crops is improved through agronomic practices, conventional plant breeding, modern biotechnology or marine interventions, differs from conventional fortification in that it aims to increase nutrient levels during both planting & growth stages in crops, and growth in fish rather than during processing. Biofortification may therefore present a way to reach populations where supplementation and conventional fortification activities may be difficult to implement or otherwise achieve. It is also important to increase our understanding of the factors that influence nutrient content and bioavailability of macro- and micro-nutrients in food, and their uptake/absorption to impact on human health.

- **Improved management of marine and land resources towards increased resilience, sustainability and nutritional quality, and when possible mitigation of GHG emissions**

All aspects of the ocean and land resources are interrelated and should be treated as an integrated system. In order to achieve more efficient and sustainable management of resources and to improve the ecosystem quality, an integrated and coordinated approach to resource management (including soil, fresh and marine water, etc.) and development planning must be adopted to ensure food production with the needed nutritional quality. This includes a better understanding of mechanisms, processes and/or factors that cause nutrient losses or gains and bioavailability under climate change, e.g. soil quality and increase or decrease health safety risks.

- **Dietary diversification by plant, insect and marine sources**

Dietary diversification by plant, insect and marine and other alternative/novel food sources is an approach that aims to enhance the availability, access, and utilization of foods with a high nutrient content and bioavailability throughout the year. It involves changes in food production practices, food selection patterns, food processing and traditional household methods for preparing and processing foods. Dietary diversification may be more sustainable, economically feasible, and culturally



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acceptable than supplementation or fortification and can be used to alleviate poor nutrition and nutrient deficiencies.

- **Changing the practices of actors in the food system to improve diets**

It is necessary to identify the tensions, barriers, synergies and opportunities, at the level of production, retail, food service and consumers, to allow sustainable and healthy food consumption. Studies are needed to understand factors influencing consumer choices such as acceptability, ethics, availability, safety, labelling and price, social/cultural factors and taking into account the important role played by retailers and marketers. Research should also lead to a better understanding of how consumers make choices when facing trade-offs, for example between food quality and environmental impact (which in turn will affect prices), taking into account that not all consumers are the same. Furthermore, there is a need to understand incentives to a balanced food intake. It is widely recognized that a diet properly balancing meat, fish and plant sources is both a healthy and sustainable choice.

During the knowledge hub, the impacts of potential interventions should be assessed with respect to resilience and sustainability (economic, environmental, and social/cultural) and nutritional value.

Outcomes and Impact

The following actions will contribute to developing the knowledge base needed to realise guidelines for producing and consuming food that include resilience, sustainability and nutritional aspects. Additionally, it will provide:

- A roadmap for future research needs
- Targeted policy briefs that provide holistic advice on food systems
- Exchange between R&I and industry how to work towards new and adapted food products that are both economically viable and healthy and sustainable.

Specific outcomes of the Knowledge Hub will deliver impact to the three main stakeholder groups:

- Producers (in a broad sense) - Work providing knowledge and know-how on which practices will increase resilience, sustainability and nutritional quality of food.
- Agri and food industry (post-“farmgate”) - Work with industry to increase diversity in feed and food sources to provide greater nutritional qualities and contribute to resilient production systems by exploring food products that are both ethically and economically viable.
- Consumers - Work with citizens to promote a dialogue to increase awareness of healthy and sustainable diets taking into account nutritional quality, food safety, production methods, sensory aspects, ethical and environmental issues.

The Knowledge Hub will exist out of a combination of selecting ongoing national research consortia (with a top up funding to make the international connection) and selected researchers that will get additional funding to perform research activities and/or to work towards standardisation, data-integration, capacity building and networking. For details on specific funding resources provided by each country, please see Eligible Costs and National Requirements in Annex B. **The network is expected to develop a joint research plan and to carry out integrating and training activities.** These aspects will be indicated in the Express of Interest and developed in the Knowledge Hub proposal.

Added value of a JPI-HDHL, JPI-OCEANS and FACCE-JPI Knowledge Hub



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It is expected that a Knowledge Hub will:

- Increase the scientific and technological excellence and facilitate the transfer of knowledge and capacity building.
- Provide the opportunity to address new and emerging scientific questions of societal importance and promote interdisciplinary and transdisciplinary scientific approaches.
- Facilitate data access and data sharing across the scientific community.
- Enhance communication and visibility at the European and international level.
- Deliver knowledge for policy making, anticipate scientific and technological needs (priorities) and provide efficient scientific support for strategic and political decision-making in its thematic field.

For this, participating funding organisations will bring together research groups from various disciplines to form an international consortium that will design and implement the KH. The platform will carry out joint multidisciplinary activities aiming at integrating expertise, knowledge, facilities and databases in different areas, such as biology, food sciences, agronomy, nutrition, bioinformatics, etc.

The activities of the platform should address current cross-cutting challenges in the field through activities that may focus on:

Standardisation and harmonisation¹

To speed up discoveries in the field, comparability of data and studies is essential. There is a need for a higher level of standardisation in the whole process from sample collection to basic analysis (e.g. including use of standard mixtures of microorganisms to control for sequencing and consistency of analysis methods); but at the same time allowing for a certain degree of flexibility to further improve and develop existing methods and innovative approaches. Furthermore, harmonisation methods are needed to integrate data generated in different studies.

Data handling, knowledge and data sharing

The rapid emergence of new technologies causes challenges in the field of data handling, data sharing and data distribution. These challenges include the development of suitable methods to handle large data sets (f. ex. metagenomics sequencing data), but also issues of data ownership, as well as legal and ethical issues regarding the sharing and use of datasets. Also for this challenge, standardisation of sample handling and data collection is essential. Furthermore, there is a need to connect datasets across countries and different disciplines. The handling of such “big data” requires not only appropriate methodologies but also collaborations across a range of disciplines.

Addressing knowledge gaps

Bringing new research questions in the areas of mapping, networking and alignment at the EU and international level where knowledge gaps are identified, will help to generate new knowledge that can improve the development and implementation of the relevant policies on FNS according to the Food 2030 Strategy. The networking activities should be also focused on the identification of research gaps and challenges in the most upraising questions on FNS such as Nutrition for Sustainable and healthy

¹ Harmonisation refers in this call text to the process of agreeing and applying standards that can lead to comparability.



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diets, Climate smart and environmentally sustainable food systems, Circularity and resource efficiency of food systems and Innovation and empowerment of communities.

Activities of the Knowledge Hub

Research and networking activities to foster **multidisciplinary research and transnational collaboration** and **reduce fragmentation** in the research field are the primary focus of the KH. The networking activities should contribute to the current challenges in the area of Food and Nutrition Security research, and ensure that existing research activities in this area are coordinated. Examples of networking activities could include:

- Bringing together, for example, clinicians; crop, farmed animal, aquaculture, fisheries, food and nutrition scientists; biological scientists, (bio) informatic experts, data sharing experts, and industry to enhance dialogue between different disciplines.
- Case studies for data sharing.
- Development of SOPs for collection and handling of samples, data collection and processing as well as basic analysis and data formatting.
- New multidisciplinary research to address aims of the call

JPI HDHL, JPI-OCEANS and FACCE-JPI expect all selected members of the KH to actively participate in and contribute to the networking activities.

General condition for the Knowledge Hub

The following general conditions apply:

- The KH needs to be multidisciplinary.
- The joint proposal should make use of existing biobanks/ research infrastructures, or explain why existing biobanks/research infrastructures are not used.
- It is expected Knowledge Hub to address how the data management following the FAIR principles² is applied (FAIR principles guidelines). In particular, Knowledge Hub should explain how the knowledge/data gathered through the network will be made available to the wider research community. It is recommended the KH to follow the [JPI HDHL FAIR Guideline](#). More information about FAIR data principles can also be read by clicking to this two following links: [FORCE 11](#) and [Wilkinson et al., Nature, 2016](#).
- The applicants are strongly encouraged to:
 - o collaborate across sectors, including academic sector, private sector and industrial partners, where appropriate.
 - o provide open access to peer-reviewed publications resulting from the network activities.

3. Participating countries and respective funding organisations

Table 1 lists the countries, respective funding organisations that will support projects for the activities of the KH.

² FAIR is the abbreviation for: findable, accessible, interoperable and reusable



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Country	Funding Organisation	Short name	Earmarked Budget	In kind Budget
Belgium	The Research Foundation - Flanders	FWO	200.000 €	0
Czech Republic	The Ministry of Education, Youth and Sports	MEYS	500.000 €	No
France	Institut National de la Recherche Agronomique	INRA	30.000 €	30.000 €
	Other French Research organisations and companies			Yes
Germany	Federal Ministry of Food and Agriculture	BMEL	0 €	yes
Ireland	Department of Agriculture, Food and Marine	DAFM	50.000 €	
Italy	Ministero delle politiche agricole alimentari, forestali e del turismo	Mipaaf	350.000 €	0
Latvia	Ministry of Education and Science	IZM	Up to 50.000 € per institution	0
Norway	The Research Council of Norway	RCN	90.000 €	
Portugal	Fundação para a Ciência e Tecnologia	FCT	0 €	Yes
Spain	State Research Agency	AEI	0 €	Yes

Table 1: Overview of available funding for the Knowledge Hub per country and/or funding organisation

4. Management of the call

The call will be coordinated by the Joint Call Secretariat (JCS). The JCS is responsible for management and administration of the submission procedures (Expression of Interest, selection of KH members, proposal submission, evaluation). The JCS will be set up at the State Research Agency (AEI). Contact details are:

Name: Ana Barra (Project Manager)
 Organisation: AEI
 28046 Madrid
 Spain
 Telephone: +34 91 603 83 98 (Ana Barra)
 Email: hdhl@aei.gob.es

The JCS acts as the primary contact point for interested researchers and research groups for information on general issues of this call and its technical aspects. For questions regarding the national regulations, please contact the national contact person (see Annex A).

5. Facts and rules of the Knowledge Hub

5.1 Eligibility



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Funding organisations participating in the KH on Food and Nutrition Security will fund activities towards the needs of the network. Each funding organisation will be responsible for checking that the national researchers and research groups are eligible to join the network and the level of funding it makes available to the selected members. Therefore, applicants must check their respective funding organisations' eligibility regulations and contact them for further questions (see ANNEX A)

In general, applicants working in universities (or other higher education institutions), non-university public research institutes, hospitals and other health care settings can apply. Participation of private parties is encouraged as well as commercial companies, in particular small and medium-sized enterprises. However, eligibility is dependent on the national funding regulations (see Annex 1 of the Guidelines for Applicants). Therefore it is mandatory to adhere to the respective eligibility/funding criteria and applicants are strongly advised to contact the respective contact person in advance.

Researchers or research groups not eligible for funding by the participating funding organisations or from countries that do not participate in the call (see list of funding organisations in Section 3) may participate in the network as i.e., **collaborators**, if they clearly demonstrate an added value to the consortium and if they are able to provide their own funding. They must clearly state that funds are secured in advance of the project start in written form (Letter of Commitment). However, the majority of research groups in the consortium and the network coordinator (NC) must receive funding from countries participating in the call.

5.2 Participation and membership

The members of the KH should represent the very best expertise in their countries in the field of Food and Nutrition Security. Applicants must have the formal support of their respective research organisations and/or institutions.

Each researcher/ research group needs to submit a separate EoI. Consortia consisting of multiple research groups from one or more organisations are not eligible to submit a collective Expression of Interest Letter (EoI). A research group will be represented by one group leader responsible to submit the EoI.

The KH is expected to nominate a Network Coordinator at the Network Meeting and to design and implement a suitable governance structure to guide the activities of the network. The chosen coordinator has to check with her/his national funding organisation whether costs associated with the role of the coordinator are eligible for the respective funding organisation. The coordinator will be responsible for the scientific management of the project and will act as the interface between the JCS and the network consortium.

6. Implementation and execution of the Knowledge Hub

The KH will be implemented in a three-step procedure. Following the electronic submission of the **Expression of Interest (EoI)** and the national eligibility check (step one) the suggested members of the platform will be pre-selected at national level and finally selected by CSC. The successful researchers and research groups will be invited to a **Network Meeting** where the Network Coordinator is elected and that sets the starting point for the development of the platform and the joint proposal (step two). A **Scientific Evaluation Committee (SEC) will evaluate the network proposal(s) (step 3)**. Details on the procedure are listed below.

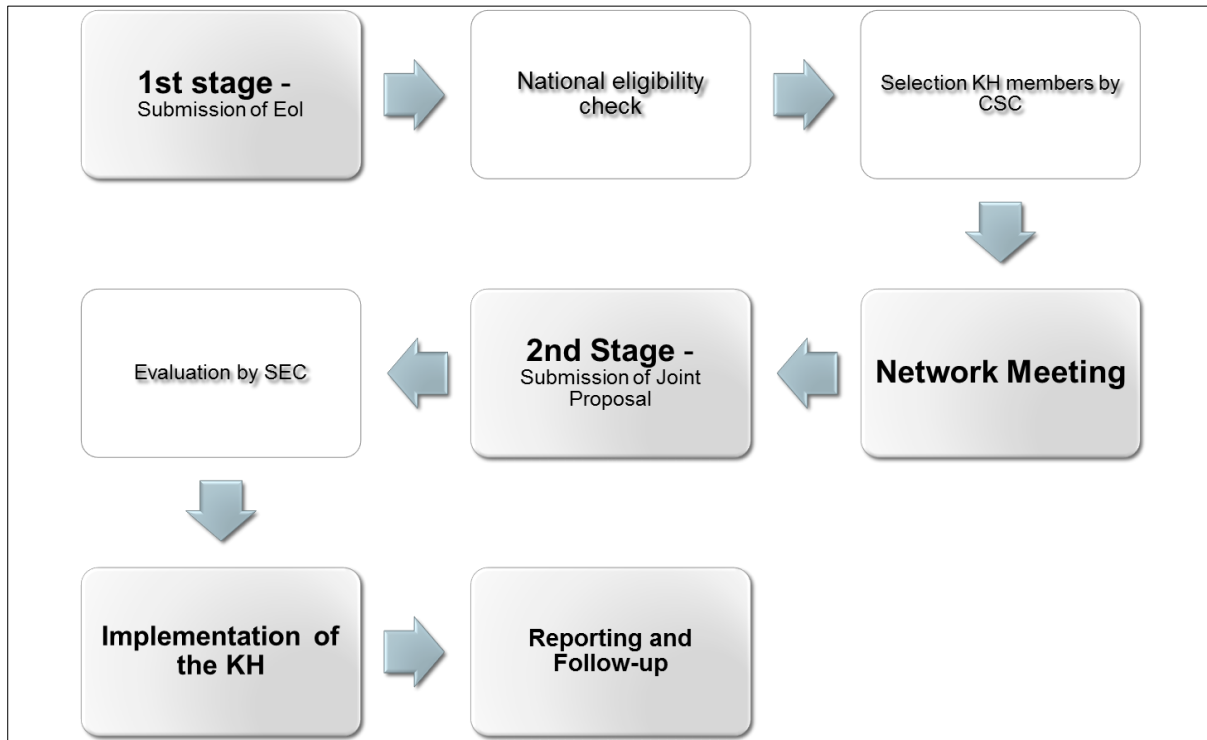


Figure 1: Schematic process of Knowledge Hub Call.

6.1 Expression of Interest (EoI)

Within the first stage of implementation of the KH, interested researchers or research groups have to submit an EoI before **4th of April 2019, 16.00 CEST**. The EoI must be written in English following a pre-defined template (see Annex 2 of the Guideline for Applicants) and submitted to the JCS through the JPI HDHL electronic submitting system exclusively. All interested researchers must submit a separate EoI. Applicants must be registered at the Meta Data Base of the JPI HDHL (www.healthydietforahealthylife.eu) before an EoI can be submitted. In addition, it is mandatory for all applicants to complete their profile information.

The EoI should express the willingness and ability of the applicant(s) to join the KH as an active and contributing member. In addition, the EoI should explain:

- The scientific expertise in the area of the KH;
- How their expertise and ongoing research activities could contribute to the aims of the Knowledge Hub
- the motivation and added value of working within the KH;
- the most significant previous and ongoing research projects related to the KH including publications;
- Involvement in JPI HDHL, JPI-OCEANS and FACCE-JPI projects.

Moreover, they have to state that their institution/organisation fully supports their intended participation in the KH. Therefore the EoI has to be signed by the applicant and by the legal representative of the respective institution/organisation.



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Selection of EoI

For all applicants the following procedure will be followed:

The selection and appointment of members of the KH will be based on a national selection process. The EoIs will be checked for the coherence with both, the eligibility criteria of the national funding organisations (see section 5.1 and Annex 1 of the Guidelines for Applicants) and the following KH selection criteria:

1. Overall scientific quality of the intended contribution of the research group and how it matches the objectives of the KH.
2. Added value of participating in the Knowledge Hub
3. Quality of the currently running and funded research projects as documented by given facts, figures, papers, patents, etc.

The pre-selection members will be performed by the respective national funding organisations. The CSC will meet to discuss the national pre-selection and to agree on a final selection of the KH members. The decision regarding the selection of KH members will be communicated to the interested researchers and research groups via email. A formal letter stating the decision will be attached.

6.2 Networking process & setup of the Knowledge Hub structure

The appointed KH members will be brought together in a Network Meeting scheduled to take place on the **7th of June 2019**. Participation in this Network Meeting is mandatory for all appointed platform members. The meeting will be used to present and explain the background and specific objectives of the KH and to bring the successful applicants together for the first time to facilitate the start of the development of a joint proposal. This meeting is of high importance, as it should be used to set up a suitable governance structure including the election of the KH Coordinator. Further, the meeting will mark the starting point for the preparation of the KH proposal.

6.3 Joint Knowledge Hub Proposal

One joint proposal written in English and following a pre-defined template must be submitted before the **18th of September 2019 16:00 CET on 2019** through the JPI HDHL electronic submission system. No other means of submission will be accepted. The proposal template will be made available online. Adhering to this proposal template is mandatory.

6.4 Evaluation of the Knowledge Hub proposal

The SEC members will evaluate the KH proposal, according to the following criteria:

1. **Relevance to the aim(s)** of the call.
2. **Scientific excellence** of the proposal (originality, methodology).
3. **Feasibility of the project** (adequacy of the work plan, budgetary and other resources, time schedule, management).
4. **Quality of the transnational collaboration** (added value of the KH, multidisciplinary approach, sufficient expertise to reach the aims of the call).
5. **Potential impact of the expected results** for the further development of the research field as well as future public health, other socio economic health relevant applications and/or for industry.

As a result, the SEC will elaborate a funding recommendation including suggestions for revisions, if necessary.



6.5 Scoring system

- 5 = Excellent.** The proposal successfully addresses all aspects of the criterion in question.
- 4 = Very good.** The proposal addresses the criterion very well, but small improvements are possible.
- 3 = Good.** The proposal addresses the criterion in question well but certain improvements are necessary
- 2 = Fair.** The proposal generally addresses the criterion, but there are significant weaknesses that need corrections.
- 1 = Poor.** The proposal shows serious weaknesses in relation to the criterion in question.
- 0 = Failure.** The proposal fails to address the criterion in question, or cannot be judged because of missing or incomplete information.

Evaluation scores will be awarded for the five main criteria, and not singularly for the different aspects listed below the criteria. Each criterion will be scored out of five. The threshold for individual criteria will be three.

6.6 Funding decision and contract negotiation

Based on the SEC evaluation of the network proposal, the opportunity for rebuttal and its recommendations one of the following decisions will be made:

- a. In case of a positive evaluation, to fund the KH proposal as it is.
- b. In case of a conditional recommendation, to ask for revisions deemed necessary by the review panel.
- c. In case of a negative evaluation, not to fund the network proposal.

In any case, the Network Coordinator will be informed by the JCS about the outcome of the evaluation and the funding decision no later than the **29th of November 2019**.

In case of necessary revisions (option b), the JCS will ask the Network Coordinator and the members of the platform to improve the submitted proposal according to the SEC recommendations. The Network Coordinator will be provided with specific information on which parts of the proposal that must be revised and improved. Afterwards, the Network Coordinator has time to improve and resubmit the revised proposal until the **14th of November 2019**.

The compliance of the resubmitted final proposal with the reviewers' recommendations will be evaluated by the SEC and approved by the members of the CSC. In case of compliance, the CSC will recommend the network to be funded by the national funding organisations. Final decisions and negotiations will be made by the national funding organisations and will be subject to budgetary considerations. The Network Coordinator will be informed by the JCS about the outcome of the evaluation and final decision no later than the **29th of November 2019**.

After a positive funding recommendation, the network members will be directly contacted by their national funding organisations to discuss the further national funding procedure.

7. Funding procedure

7.1 Funding modalities

The KH will be funded for a period of up to three years. The eligibility of costs (e.g., personnel, material, consumables, equipment, and travel expenses) as well as the maximum budget per applicant is subject to the national regulations of the individual funding organisations (see A). Therefore, network members are obliged to check their respective funding rules and eligible costs to decide on their putative role and activities in the network (e.g. Network Coordinator). The scheduled platform and research activities of the individual researchers and research groups within the network will be funded by their respective funding organisations according to their national eligibility/funding



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criteria. Furthermore, each KH member is responsible for financial reporting towards its national funding organisation.

7.2 Legal modalities

Consortium Agreement (CA): The platform should negotiate and sign a consortium agreement before the commencement of the project, if feasible. It is recommended that the CA specifies at least the following issues: the governance structure, the decision making processes, the collective responsibilities and the management arrangements including specific arrangements on intellectual property rights (IPR), scientific reporting and monitoring, open access and sharing data/knowledge and resources as well as actions to be taken in the event of unsatisfactory performance by one or more partners. Guidance and model consortium agreements can be found at the [European IPR Helpdesk](#) and [DESCA](#) websites that may support drafting the CA. However, please note that the respective documents were developed for activities funded by the European Commission, which differ from funding measures within the JPIs; national rules have to be taken into account. There is a shared responsibility between all network members for the progress of the project.

Upon request, the CA must be made available to the concerned funding organisations.

Intellectual property rights, open access and data/knowledge sharing. Ownership and transfer of newly developed intellectual property, as well as access to existing intellectual property are a core part of project success and contribution to society and therefore, should be properly managed from the beginning of the project. Any particular protection and exploitation strategy should be agreed upon before the research activities start, and arrangements need to comply with the relevant national and/or European legislation (please refer to Annex 1 of the Guidelines for Applicants for national requirements). More information can be found in the [Quick guide for dissemination](#) of the JPI HDHL research projects results and [Communication and Valorisation Strategy Science for Policy and Impact](#) of the FACCE-JPI.

8. Responsibilities and reporting requirements

8.1 Progress report

The Network Coordinator is required to submit a mid-term and a final scientific progress report on behalf of the consortium to the JCS, detailing how the project is progressing in relation to planned objectives. Furthermore, a final scientific report should be sent to the JCS within a period of three months after the project ends. National funding organisations may also request reporting on the project from the different partners from their respective country.

In addition, the Network Coordinator will be asked to present the results during a final symposium. The KH members will be asked to participate in the final symposium. Travel budget should be planned and managed accordingly.

8.2 Communication

The Network Coordinator represents the KH externally and is responsible for all communication with the JPI HDHL, JPI-OCEANS and FACCE-JPI (including the JCS and the CSC). For effective contribution to the objectives of the JPI HDHL, JPI-OCEANS and FACCE-JPI and the Joint Funding Action: *Knowledge Hub on Food and Nutrition Security* the Network Coordinator should be available to participate in meetings/workshops with the aim to:

- Exchange results.
- Develop a joint strategy to coordinate and facilitate integration of the planned activities of the JPI HDHL, JPI-OCEANS and FACCE-JPI.



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- Communicate results across the JPI HDHL, JPI-OCEANS and FACCE-JPI (e.g. at Management Board meetings. Conferences and symposia organised by the JPI HDHL, JPI-OCEANS and FACCE-JPI).
- Interface and build collaborations with the other JPI HDHL, JPI-OCEANS and FACCE-JPI Joint Actions and relevant organisations within Europe and worldwide.

Utilisation of knowledge

In order to enhance visibility of the JPI HDHL, JPI-OCEANS and FACCE-JPI, the network should adhere to the following JPI HDHL dissemination guidelines:

- Appropriate measures should be taken to engage with the public and the media about the project.
- The JPI HDHL, JPI-OCEANS and FACCE-JPI should be appropriately referred to in reports, articles or any other documents resulting from the platform. The JPI HDHL, JPI-OCEANS and FACCE-JPI should be referred to as “European Joint Programming Initiative “A Healthy Diet for a Healthy Life” (JPI HDHL)”, “European Joint Programming Initiative for Healthy and Productive Seas and Oceans” (JPI-OCEANS) and “European Joint Programming Initiative “Agriculture, Food Security and Climate Change” (FACCE-JPI). Please also include a link to the JPI HDHL website: <http://www.healthydietforhealthylife.eu/>, to the JPI-OCEANS website: <http://www.jpi-oceans.eu/> and to the FACCE-JPI website: <https://www.facejpi.com/>;
- Funding recipients must ensure that all outcomes (publications, oral presentation etc.) of the KH include a proper acknowledgement of JPI HDHL, JPI-OCEANS and FACCE-JPI support and the respective national funding organisations.
- The JPI HDHL, JPI-OCEANS and FACCE-JPI should be referred to and acknowledged appropriately in any promotional material including event programmes, invitations, press releases, reports, presentations and external websites.
- Whenever possible and useful, the common JPI HDHL, JPI-OCEANS and FACCE-JPI logo should be used.

Further details are laid down in the [“Quick guide for dissemination of the JPI HDHL research project results”](#) and [Communication and Valorisation Strategy Science for Policy and Impact](#) of the FACCE-JPI.

Researchers funded under the umbrella of JPI HDHL, JPI-OCEANS and FACCE-JPI are requested to adhere to these JPI guidelines.

The JPI HDHL, JPI-OCEANS and FACCE-JPI support an open access policy. Therefore, funded researchers should consider open access publication of their results. Due consideration should be given to consistency with similar policies that are already in place at national level.

9. Ethical issues

Research supported by the JPI HDHL, JPI-OCEANS and FACCE-JPI must respect fundamental ethical principles. Applicants must ensure that the proposed research respects all national rules and procedures for legal compliance. It is the responsibility of the applicant to identify if their proposed research requires ethical approval. Where ethical approval is required, applicants must inform their national funding organisation and applicants may be requested to provide further details. Ethical approval must be obtained from the relevant national or local ethics committee prior to the start of the project.



10. Confidentiality

The JCS takes all reasonable steps to ensure that information provided in the application is treated as confidential.

11. Timeline

When	What
8 th of January 2019	Pre-announcement of the call
29 th of January 2019	Publication of the call and opening of electronic submission system for the Eols
4 th of April 2019	Deadline for submission Expression of Interest
6 th of May 2019	CSC meeting selection network members
13 th of May 2019	Communication of selected network members + invitation to Network Meeting
7 th of June 2019	Network meeting and opening of electronic submission system for the proposal
18 th of September 2019	Deadline for submission joint network proposal
22-23 rd of October 2019	SEC and CSC meeting for proposal evaluation Opportunity for Rebuttal: Interview between Coordinator of Joint network proposal and SEC to discuss some unclear aspects of the proposal, if any
28 th of October 2019	Communication of evaluation to Network coordinator (revision of proposal or no revision required)
14 th of November 2019	Deadline for submission of an amended proposal, if requested by SEC
29 th of November 2019	Communication of final decision to platform coordinator

ANNEX A: National/regional Contact Point details, requirements and eligible costs

A. National Contact Points (NCPs)

Hereunder are provided the contact data of the National Contact Points (NCPs) for this call for participation in this JPI-HDHL, JPI-OCEANS and FACCE-JPI Knowledge Hub. NCPs are namely responsible for informing potential applicants about relevant national issues (national eligibility criteria, eligible costs...). It is strongly recommended for each applicant to contact their NCP prior to submitting their Express of Interest.

Country	Organization	Contact person	Contact data (Mail and phone)
Belgium	The Research Foundation - Flanders	Toon Monbaliu	eranet@fwo.be +32 (0)2 550 15 70
Czech Republic	The Ministry of Education, Youth and Sports	Daniel Hanšpach	Mail: daniel.hanspach@msmt.cz Phone: +420 234 811 360
France	Institut National de la Recherche Agronomique	Hugo de Vries (for HDHL) and Heather Mc Khann (for FACCE)	Hugo.de-vries@inra.fr (phone: +33 499 61 28 31)
	Other French Research organisations and companies		Heather.mckhann@inra.fr (phone: +33 1 42 75 92 78)
Germany	Federal Office for Agriculture and Food	Annika Fuchs	E-Mail: Annika.Fuchs@ble.de Phone: +49 (0)228 6845-3746
		Babette Breuer	E-Mail: Babette.Breuer@ble.de Phone: +49 (0)228 6845-2925
Ireland	Department of Agriculture, Food and Marine	Helen Murphy	Helen.murphy@agriculture.gov.ie 00353(0)16072351
Italy	Ministero delle politiche agricole alimentari, forestali e del turismo	Silvia Baralla	s.baralla@politicheagricole.it 0039.064665.5178
Latvia	Ministry of Education and Science	Kaspars Karolis	Kaspars.karolis@izm.gov.lv



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	(IZM)		+37167067996
Norway	The Research Council of Norway	Lars Hagbart Andresen	lh@rcn.no +47 91 74 71 17
Portugal	Fundação para a Ciência e Tecnologia	Marta Norton	marta.norton@fct.pt +351 213911565
Spain	State Research Agency	Ana Barra	hdhl@aei.gob.es +3496038398



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B. Eligible costs per country.

Eligible costs per country are green earmarked, red are non-eligible. This table is provided only for your information, It does not warranty any eligibility, which should systematically be checked with your NCP.

Country / Funding organisation	Cash and/or in-kind contribution	Coordinators cost (Main and/or Theme-Coordinator) ³	Research costs (staff and consumables...)	Travel costs (for Knowledge Hub Meetings)	Communication and dissemination costs (workshops, newsletters, etc.....) ⁴	Training and capacity building (seminars, summer schools...) ³	Mobility
Belgium/ The Research Foundation - Flanders	Cash	YES	YES	YES	YES	YES	YES
Czech Republic/ The Ministry of Education, Youth and Sports	Cash			YES (for NCP)			

³ Research groups in participating countries that offer coordinators costs are eligible to apply to be coordinators.

⁴ This indicates that the participating country can organise workshops, seminars or summer schools. Nonetheless, all Knowledge Hub participants may take part in these events.



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France/ Institut National de la Recherche Agronomique	Cash and in kind		YES	YES	YES	YES	
France/ other Research organisations and companies	In kind	In agreement with the administrative supervision or CEO	In agreement with the administrative supervision	In agreement with the administrative supervision	In agreement with the administrative supervision	In agreement with the administrative supervision	In agreement with the administrative supervision
Germany/ Federal Ministry of Food and Agriculture	In kind	No	No	Yes	Yes	No	No
Ireland/ Department of Agrciulture, Food and Marine	Cash			YES			
Italy / Ministero delle politiche agricole, alimentari, forestali e del turismo	Cash	Yes	Yes	Yes	Yes	Yes	Yes
Latvia/Ministry	Cash	Yes	Yes	Yes	Yes	Only seminars	No



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of Education and Science							
Portugal / Fundação para a Ciência e Tecnologia	In kind	See national annex	See national annex	See national annex	See national annex	See national annex	See national annex
Norway/The Research Council of Norway	In cash Applicants are expected to provide in kind contribution	Yes	No	Yes	Yes	No	No
Spain/ State Research Agency	In kind	See national annex	See national annex	See national annex	See national annex	See national annex	See national annex