



CORE Organic Plus Call

Compiled applicant information sheets – for partnering search

**Thematic research area 4:
Ensuring quality and safety of organic food
along the processing chain**



CORE Organic+ Call

Applicant information sheet

Will you attend the Brokerage Event on 18 December?

YES

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

LMDA :

- 1) Validation of natural biopreservation of organic food products
- 2) Study of microbial diversity of organic food and feed products versus conventional food and feed products
- 3) Potential risk for public health with less or without chemical preservatives molecules

QP :

- 1) Practical field problems ?

What are the strengths of your research institute? (max. 5 lines)

LMDA :

- 1) Full equipped lab for microbial food and feed ecosystem characterization (microbiology, PCR, NGS)
- 2) Pilot unit for food product shelf-life determination and challenge tests
- 3) Predictive microbiology expertise
- 4) A lot of collaborations with food product companies

QP :

- 1) Accreditation for organic certification
- 2) Microbiological and molecular genetic and genomic laboratory

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

LMDA :

- 1) **FLORPRO** : improvement of food biopreservation (6 partners 3 millions euro)

- 2) **NUTRIGUTIOR** : validation of efficacy of pro- and prebiotic on animal models and by preclinical human studies (7 partners 3 millions euro)
- 3) **METAQUANT** : absolute quantification of micro-organisms by metagenomics (2 partners 560.000 euro)
- 4) **ZOODIFF** : study of the zoonotic transmission of *Clostridium difficile* (2 partners 200.000 euro)
- 5) **BIFID** : Bifidobacterium as fecal contamination indicator in the food chain (5 partners 6PCRD 1 million euro 2002-2005)

QP :

- 1) **METAQUANT** : absolute quantification of micro-organisms by metagenomics (2 partners 560.000 euro)

What kind of partners are you looking for (as regards field of competence, country....)?

Organic producer associations in EU

Please provide your contact details:

LMDA:

First and last name: Georges DAUBE
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Phone number: +32 4 366 40 40

QP:

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Research Institute: Quality Partner s.a.
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Will you attend the Brokerage Event on 18 December?

NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

The call asks for exploration of natural functional ingredients or new technologies to improve quality in accordance with the organic principles, which amongst other entails health. The communication of the health of organic products is crucially dependent on consumer perception and understanding. I suggest including consumer research with both a qualitative and quantitative step in order to identify how consumers understand and react to the ingredient or technology.

What are the strengths of your research institute? (max. 5 lines)

MAPP has been in the past 20 years working extensively on food consumer behaviour, especially new product development, reaction to new technologies and to functional food, and related communication to consumers. In addition, several members have worked about organic food consumers, the interface between health of functional food versus the holistic health understanding associated with organic food, and consumer's dealing with these two areas.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

Organic food marketing and communication: "Increasing value of African mango and cashew production," Danish Ministry of Foreign Affairs (ongoing); "Superb and Marketable Meat from Efficient and Robust Animals – SUMMER", Danish Ministry of Food (ongoing).
 Food and health communication: "Role of health-related claims and symbols in consumer behaviour", EU FP7 (ongoing); "Food labelling to advance better education for life", FLABEL, EU FP7, 2011-2012; "Interventions to Promote Healthy Eating Habits: Evaluation and Recommendations",

EATWELL, EU FP7, 2009-2013. See also: "The impact of health claims on buying behaviour: Differences between organic and conventional foods", Federal Organic Farming Scheme (BOEL), 2007-2009 (at a former workplace).

What kind of partners are you looking for (as regards field of competence, country....)?

We are looking for a consortium that explores the issue 'Developing natural functional ingredients or new technologies to improve food quality and replace additives and non-organic ingredients, in accordance with the organic principles' and would like to include a consumer research work package in order to use the insights gained for a more targeted development and communication.

Please provide your contact details:

First and last name: Jessica Aschemann-Witzel

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Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	x

Which research questions do you specifically want to address in your project? (max. 5 lines)

Overall question: How to provide better quality organic fresh fruit and vegetables to consumers

- Which methods/technologies/materials do consumers accept and why?
- How can we combine existing and new methods/technologies/materials (knowledge on raw material, postharvest pre-treatments, usage of biological extracts, optimized processing, new packaging solutions, cooled zones) in a better way to provide better fresh produce?
- Can we use the volatile marker method as an efficient quality assessment tool?

What are the strengths of your research institute? (max. 5 lines)

- Research on plant food quality in a chain perspective (from field to fork)
- Advanced postharvest facilities for storage/packaging of fresh fruits and vegetables
- A holistic approach to evaluation of fresh fruit and vegetable quality using state-of-the-art measurements (volatile and non-volatile compounds, multispectral imaging analysis, sensory analysis and multivariate data analysis).
- Years of research on organic and conventional production and handling of apples, pears, berries, root crops and salad greens in the food chain.
- We are at present developing new analytical tools for monitoring early shelf-life changes that can be used in a chain perspective.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

2014-2018:

- Optimized methods and technology for long term storage of organic and conventional potatoes, onions and root crops to minimize food waste and extend shelf-life
- Protected production of organic apple and pears and development of better technology to prevent storage diseases and losses in the food chain.

Relevant projects in the past:

- Root crop quality
- Organic production of vegetables, storage quality and sensory and chemical quality
- Organic production of fruits and postharvest storage quality

What kind of partners are you looking for (as regards field of competence, country....)?

Partners with competences in

- Consumer studies
- New technologies to extend shelf-life
- Modelling quality changes in the food chain
- And interest in optimizing the food chain for organic fresh produce
- Running a consortium under Core Organic Plus

Please provide your contact details:

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See also homepage: [http://pure.au.dk/portal/en/persons/merete-edelenbos\(89bc334c-15cd-410f-a5c3-c790fe491fd8\)/persons/merete-edelenbos\(89bc334c-15cd-410f-a5c3-c790fe491fd8\).html](http://pure.au.dk/portal/en/persons/merete-edelenbos(89bc334c-15cd-410f-a5c3-c790fe491fd8)/persons/merete-edelenbos(89bc334c-15cd-410f-a5c3-c790fe491fd8).html)



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YES/NO

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Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	x
Ensuring quality and safety of organic food along the processing chain	x

Which research questions do you specifically want to address in your project? (max. 5 lines)

Suitability of phytanic acid as a marker for organic ruminant products.

- *Variation due to country specific management practices and breeds.*
- *Influence of specific feed items on phytanic acid composition of milk and meat.*
- *Changes in phytanic acid isomer distribution during storage and processing.*

What are the strengths of your research institute? (max. 5 lines)

We have a long experience in investigating the composition of organic as well as conventional meat and dairy products and we have a close collaboration with researchers from animal and plant science.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

Current: High value organic meat production from robust animals; Taste the environment – natural pasture for beef production; Tenderness as well as bioactivity – enzymatic exploration of collagen; Optimal feeding strategies for dairy cows for climate, environment, animal welfare and economics; Milk genomics; Tailored milk and human health

Past: Quality low input food (QLIF); Organic milk of high quality – development of production concepts based on grazing of the dairy cows and gentle treatment of the milk during handling and processing (ORMILKQUAL); Organic pork in top-grade through optimal handling at the slaughter line (DFFE); Beef – product development and branding of Danish beef cattle (DFFE); High quality of organic lamb – optimal finishing feeding and age (FØL)

What kind of partners are you looking for (as regards field of competence, country....)?

Partners from countries with substantially different organic management practices, intensive as well as low input production.

Please provide your contact details:

First and last name: *Mette Krogh Larsen*

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For which thematic research area do you want to apply?

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Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

- Projects which aim the amendment of organic farming production, processing and marketing

What are the strengths of your research institute? (max. 5 lines)

- Network of highly experienced advisers for organic production and food processing
- Contact to appr. 5500 organically managed farms
- Contact to nearly 1000 processors
- Contact to plenty commercial partners

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

- Pilot Farm Project (
- SOLMACC (climate change project)
- Sustainability advices - a new concept for advisory systems
- STOAS
- Plenty national funded projects regarding
 - crop production systems
 - animal welfare
 - the processing chain

What kind of partners are you looking for (as regards field of competence, country....)?

See above → "research question"

Please provide your contact details:

First and last name: Dr. Stephanie Fischinger

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Research Institute: Bioland

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Which research questions do you specifically want to address in your project? (max. 5 lines)

In order to increase the quality of fruits and it is important to know whether the fruits are ready to be picked up. For this aim computer vision techniques can be used. Hence we are proposing an application of image processing in order to check the quality of food, especially usage of computer vision for classification of fruits such as tomato into ripped and unripen classes by using RGB and IR cameras.

What are the strengths of your research institute? (max. 5 lines)

Intelligent Materials and Systems Laboratory is an interdisciplinary research group established in 2003 in University of Tartu, Institute of Technology. One of the groups of this lab is intelligent computer vision (iCV) group. Our goal is, by bringing together knowledge from diverse fields of expertise, to develop new algorithms in computer vision and image understanding and their applications in real life. Currently our main research activity is focusing on development and exploitation of ripeness classification of fruits by using IR and RGB cameras.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

*1 Ionic Polymer Metal Composites (IPMC) modelling and control
2 Carbon-Polymer Composite Electroactive Materials
3 Radiation and temperature induced damage of ionic electroactive polymer materials for MEMS devices in space*

- 4 *Multiscale Modelling and Materials by Design of interface-controlled Radiation Damage in Crystalline Materials (RADINTERFACE)*
- 5 *Material study of conducting polymers*
- 6 *Molecular dynamics studies of poly(ethylene oxide) based electrolytes*
- 7 *Computer-Aided Materials Design for Proton-Conducting Fluoropolymers*
- 8 *ICT DCNet*
- 9 *Self-deployable Habitat for Extreme Environments*

What kind of partners are you looking for (as regards field of competence, country....)?

*Experts in agriculture, Experts in computer vision to cooperate with iCV, Companies who are investigating on food and fruit quality control.
We are looking forward to find partners from Sweden, Germany, and Turkey.*

Please provide your contact details:

First and last name: *Gholamreza Anbarjafari*
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Phone number: *+372 588 65559*



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NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

We develop analytical systems for rapid simultaneous detection of the most common mastitis-causing pathogens in milk, enabling the elimination of substandard milk from the production line and improvement of milk quality; but also the identification of animals with subclinical mastitis and their timely and correct treatment, leading towards decreased levels of antibiotics used and minimizing the risk of pollution of milk with the residues of antibiotics and their metabolites.

What are the strengths of your research institute? (max. 5 lines)

We have expertise in designing of various biosensors and biosensor arrays; in studying and modelling the signal rising and application of different calibration parameters and methods for different bio-sensing systems, both in flowing set-ups and batches. In addition to scientific research, we have got several patents for the protection of technologies for on-line analysis of raw milk.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

We have designed and studied an immuno-biosensing system, based on the application of the principles of bead-injection analysis, which enables a rapid selective detection of *S. aureus* pathogens in milk within 15 minutes and requires no pretreatment of milk probes. This measuring platform has a potential to be further developed for a rapid simultaneous detection of several bacteria (e.g. *S.uberis*, *E.coli et al.*). This system can be integrated with on-line measurement of dissolved oxygen levels in milked milk, serving as a preliminary indicator of inflammation in bovine. We have carried out R&D projects for the development of optical biosensor arrays for the in-line detection of the antibiotic residues in milk and tested this system in farm conditions.

In addition to milk quality measurements, we have expertise in the construction of biosensors for the assessment of fish freshness, based on the determination of biogenic amines.

What kind of partners are you looking for (as regards field of competence, country....)?

We are looking for partners interested in the development of express on-line detection of pathogens in milk, but also in other liquid substances; and also in application and integration of such analysis systems into milking systems, used for large-scale milk production.

Please provide your contact details:

First and last name: Toonika Rinken
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CORE Organic+ Call

Applicant information sheet

Will you attend the Brokerage Event on 18 December?

YES/NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

- 1) How to assess that an ingredient/process is in line with the organic principles? What are the key indicators to follow up? Would it be possible to define indicators usable for every ingredient or do we have to work on each ingredient case by case? Same question for process.
- 2) What shelf life is expected for an organic processed product (i.e. the same as conventional product or would it be acceptable for consumer to have a lower one)?
- 3) How to evaluate environmental quality of organic product (i.e. is LCA suitable for organic product and if not, which method could be a better alternative)?
- 4) Which are the most innovative global methods to evaluate the whole food quality?

What are the strengths of your research institute? (max. 5 lines)

-ITAB, the French research institute of organic farming, aims to connect research activities and stakeholders in order to develop organic agriculture and spread innovation.

-3 main activities: networking, research and development, and dissemination (e.g. publications, conferences and workshops).

-8 national working groups on: livestock, arable crops, horticulture, winegrowing and fruit crops, organic seeds and plant breeding, soil management, crop protection and animal health, quality (product and food chain).

-ITAB, it is also: 30 years of experience in organic research, a close connection with 7 organic experimental sites (GRAB, CREAB, PAIS, CIVAM Bio66, CEV, Archiny, Thorigné d'Anjou) and 2 regional research centers (IBB, Pôle bio), 50 full time equivalent staff, 600 free technical booklets on line (www.itab.asso.fr), 30 projects developed last 10 years...

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

ITAB has experience with European projects. It is a partner:

- in the ongoing SOLIBAM FP7 project (Strategies for Organic and Low Input Integrated Breeding and Management - www.solibam.eu ; 2010-2014), which aimed to develop breeding approaches integrated with management practices to improve the performance, quality, sustainability and stability of crops adapted to organic and low-input systems.
- in COBRA Core Organic II project, to enhance plant breeding activities focused on diversity within varieties to cope with robustness of crop and resilience of cropping systems.
- in the COST Biogreenhouse.

ITAB was a partner of the ORWINE FP6 project and was involved in the Cost programme 860 SUSVAR. ITAB is a member of ECO-PB (European Consortium for Organic Plant Breeding) and ECO-AB (European Consortium for Organic Animal Breeding) boards.

At the national level, ITAB's engineers are involved in 14 research projects on various issues connected with organic farming such as: sustainable soil management, resilient and sustainable farming system's design, benefits of crop rotations and innovative crop management, agroforestry, methods to assess organic product's quality, animal health and welfare, organic plant breeding and seed production, copper use reduction, plant extract and crop protection.

What kind of partners are you looking for (as regards field of competence, country....)?

All kind of partners are welcome: research institutions, SMEs, organic farmers' networks.

Contact details:

First and last name: Rodolphe VIDAL
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Will you attend the Brokerage Event on 18 December?

NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	√
Functional biodiversity to improve management of diseases, weeds and pests	√
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	√

Which research questions do you specifically want to address in your project?

The research for organic farming should be focused on developing technologies which may attract the farmers / growers to adopt them, keeping in view of the requirements of small holdings of resource poor small and marginal farmers.

There is a large gap in understanding the exact mechanism played by the soil microbes in the organic soil.

Hence, I would like to study the impact of soil microbial diversity and how it impart better quality in the organic produce.

What are the strengths of your research institute? (max. 5 lines)

Our university is oldest Agricultural university in India (www.tnau.ac.in) serving more than 100 years for the farming community.

My department (Agricultural Microbiology) has strong research area in the field of biofertilizers development and application.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

The following research projects are in progress in my lab

S.No.	Name of the project	Funding agency	Total budget	Duration
i.	Biotization - A novel bioinoculant delivery strategy for banana micropropagation	Department of Science & Technology, new Delhi	22.50 lakhs	2012-2015
ii.	Bacteriophages - A novel	Ministry of Food	67.96 lakhs	2012-2014

	biopreservative for vegetables	Processing Industries , New Delhi		
iii.	Lytic Bacteriophages as a Biorational Biocontrol Agent Against the Bacterial Wilt Disease of Brinjal	Department of Biotechnology, New Delhi	29.68 lakhs	2012-2015
iv.	Ecotoxicological Assessment of Engineered Metaloxide Nanoparticles on PGPR Microorganisms - <i>Pseudomonas sp.</i>	Department of Biotechnology, New Delhi	31.09 lakhs	2012-2015

What kind of partners are you looking for (as regards field of competence, country....)?

I am interested to work with partners specialized in nutrient dynamics in organic crop production, promoting organic crop production under problem soils, changing climate, biotic and abiotic factors (moisture stress).

Interested to work with peoples of any country.

More specific

To encourage biological cycles within farming systems by involving the use of soil microorganisms,

To maintain and increase the long term fertility of soil and biodiversity

To use renewable resources in locally organized production systems

To work with a close system with regard to organic matter and nutrient elements

Please provide your contact details:

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TamilNadu, India

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Phone number: 91-9626894973



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YES/

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	YES

Which research questions do you specifically want to address in your project? (max. 5 lines)

STUDY OF ORGANIC BARLEY AS RAW MATERIAL WITH HIGH NUTRITIONAL VALUE, FOR ITS EXPLOITATION IN THE AGRI-FOOD CHAIN FOR THE PRODUCTION OF FOODS AND FERMENTED BEVERAGES WITH IMPROVED SENSORY AND FUNCTIONAL PROPERTIES FOR CONSUMER SATISFACTION.

What are the strengths of your research institute? (max. 5 lines)

THE ITALIAN BREWING RESEARCH CENTER (CENTRO DI ECCELLENZA PER LA RICERCA SULLA BIRRA – CERB) IS A DEPARTMENT OF THE UNIVERSITY OF PERUGIA AND IS THE REFERENCE CENTER FOR RESEARCH, CONSULTANCY, TRAINING AND QUALITY CONTROL IN THE BEER AREA. THE CENTER OFFERS FACILITIES AND PERSONNEL FOR THE MANAGEMENT FOR ALL THE KNOWLEDGE USEFUL FOR ALL THE OPERATORS FROM THE MULTINATIONAL COMPANIES TO THE HOME-BREWERS, PASSING THROUGH THE LARGE NUMBER OF CRAFT BREWERS. THE COMPONENTS OF THIS GROUP ARE ALSO RESPONSIBLE OF RESEARCH ACTIVITIES ON THE CEREAL PRODUCTS AREA (BREAD, PASTA, BAKERY PRODUCTS) IN THE DEPARTMENT OF AGRICULTURE, FOOD AND ENVIRONMENT (FORMER FACULTY OF AGRICULTURE) OF THE UNIVERSITY OF PERUGIA.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

THE GROUP IS CURRENTLY INVOLVED IN TWO LARGE NATIONAL RESEARCH PROJECTS ON CEREAL PRODUCTS:

- **MINISTRY OF RESEARCH AND UNIVERSITY PROGRAMME 2010/2011 “PROCESS AND PRODUCT INNOVATION IN THE BARLEY FOOD CHAIN FOR THE IMPROVEMENT OF QUALITY AND ENVIRONMENTAL SUSTAINABILITY OF FOOD AND BEVERAGES “**
- **MINISTRY OF AGRICULTURE PROGRAMME 2009/2013 “INTEGRATED FUNCTIONALITY OF CEREAL GRAINS FOR FOOD IN A SUSTAINABLE AGRI-FOOD CHAIN”**

IN THE LAST 10 YEARS THE GROUP WAS INVOLVED IN TWO EU PROJECTS AND SEVERAL NATIONAL RESEARCH PROJECTS ON CEREAL PRODUCTS:

- **6TH FP “TRUEFOOD - TRADITIONAL UNITED EUROPE FOOD“**
- **7TH FP “OPTIMALT - A RAPID AND RELIABLE TOOL FOR ASSESSING THE MALTING QUALITY OF BARLEY USING AUTOMATED OPTICAL ANALYSIS”**
- **MINISTRY OF RESEARCH AND UNIVERSITY PROGRAMME 2004 “TRACKING AND TRACEABILITY IN BEER PRODUCTION CHAIN: INNOVATIVE METHODS FOR THE IMPLEMENTATION OF SAFETY AND QUALITY”**
- **MINISTRY OF RESEARCH AND UNIVERSITY PROGRAMME 2006 “IMPLEMENTATION OF THE MONITORING SYSTEMS (SAFETY, QUALITY) IN THE MALT AND BEER PRODUCTION CHAIN, BY THE USE OF INNOVATIVE CONTROL METHODS”**
- **MINISTRY OF RESEARCH AND UNIVERSITY PROGRAMME 2008 “BARLEY AND BEER: PRODUCT AND PROCESS INNOVATION“**
- **MINISTRY OF AGRICULTURE PROGRAMME 2011/2012 “USE OF IMMOBILIZED POLYCLONAL ANTIBODIES FOR MYCOTOXINS DECONTAMINATION IN THE PRELIMINARY STEPS OF PROCESSING FERMENTED BEVERAGES”.**
- **MINISTRY OF AGRICULTURE PROGRAMME 2006/2009 “STUDY OF SOURCES OF PROPER OMEGA3/OMEGA6 FATTY ACIDS”**
- **MINISTRY OF RESEARCH AND UNIVERSITY PROGRAMME 2003/2010 – “IMPROVEMENT OF SENSORY AND NUTRITIONAL PROPERTIES OF VEGETABLE ORIGIN FOOD PRODUCTS FROM FIRST AND SECOND PROCESSING”**

What kind of partners are you looking for (as regards field of competence, country....)?

UP TO NOW WE ARE ALREADY COLLABORATING WITH VTT OF FINLAND PARTICULARLY ON RESEARCH FOR QUALITY CONTROL IN THE CEREAL PRODUCTS AREA. MOREOVER, WE ARE LOOKING FOR COMPETENCES IN PRIMARY ORGANIC CEREAL PRODUCTION AND INNOVATIVE GRAINS PROCESSING MAINLY IN GERMANY, FRANCE, DENMARK, SWEDEN, AND NORWAY.

Please provide your contact details:

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YES/NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	X
Functional biodiversity to improve management of diseases, weeds and pests	X
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

Our approach to research is related to the direct involvement of farmers in the whole innovation process. A participatory approach to research is the base of our involvement in research project and often we have been responsible for stakeholder involvement in research projects. In particular for this call we consider useful to address the following research questions:

1. How to fertilize with few biomass? (green manures, some biodynamic preparations, closing the N and C cycle at territory level)
2. How to improve mulching, cover crops, natural vegetation and green manures?
3. What can be the role of flower beds to attract indigenous beneficial to manage pest balance in fruit and vegetables?
4. What is the impact of no tillage and minimum tillage in organic farming compared to the conventional tillage techniques.
5. How to build Mediterranean agroforestry systems? (eg. Crop and vegetables under fruit trees)

What are the strengths of your research institute? (max. 5 lines)

The main strength of our institute is to be an organic farmers' association with long term experience in research and on farm experimentation. The Italian Association for Organic Farming (AIAB) was officially established in 1988; it gathers about 15.000 members (farmers, processors, experts, researchers and consumers). It is organized by regional chapters (17) coordinated by a federal Office located in Rome. AIAB promote organic farming as a model of rural development. During the 90s AIAB increased its collaboration with governmental agencies and research institutions. We have

today a long term experience in research project management and development. AIAB has been involved in many national and E.U. projects on research (FP6 and FP7), training, promotion and information in the organic farming sector. AIAB staff participates to Ministerial committees on organic farming and to IFOAM regional groups and committees where they have the task to represent Italian organic farmers and consumers. AIAB publishes a bi-monthly magazine (Bioagricultura, 16.000 subscribers) concerning vulgarization and innovation transfer activity, a weekly newsletter (B@N, 8.000 subscribers), several technical leaflets and books and has an updated web-site (www.aiab.it, 4.000 single visits per day); it organizes field days, workshops and seminars. In 2007 AIAB founded the FIRAB (Italian Foundation for the Research in Organic Farming).

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

Main project in 2013 at EU level:

SOLIBAM – “Strategies for Organic and Low-input Integrated Breeding and Management”. (funded by EU FP7, coordinated by INRA-France), - STABIWINE – Use of biopolymers for sustainable stabilization of quality wines (funded by EU FP7, coordinated by AIAB) - SUPURBFOOD - Towards sustainable modes of urban and peri-urban food provisioning (funded by FP7, coordinated by Wageningen Universiteit-The Netherlands). - INTERVEG – Enhancing multifunctional benefits of cover crops – vegetables intercropping (funded by ERA-Net Core Organic2). - AUTHENTIC FOOD - Fast methods for authentication of organic plant based foods (funded by ERA-Net Core Organic2). - COBRA – Coordinating Organic Plant Breeding activities for diversity (funded by ERA-Net, Core Organic2)

What kind of partners are you looking for (as regards field of competence, country....)?

Other farmers associations interested in participatory approach to research and
Research institute interested in on-farm experiments to develop.

Please provide your contact details:

First and last name: Andrea Ferrante
Research Institute: AIAB - Italian Association for Organic Agriculture
Email: a.ferrante@aiab.it
Phone number: +39 0645437485



CORE Organic+ Call

Applicant information sheet

Will you attend the Brokerage Event on 18 December?

YES

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

- Developing natural functional ingredients or new technologies to improve seafood quality.
- Ensuring the quality including taste, appearance and shelf life of processed organic seafood taking into account dietary supplements with antimicrobial and/or antioxidant properties during the life cycle and/or package film coating in ready-to-eat organic foods.

What are the strengths of your research institute? (max. 5 lines)

- antioxidant and/or antimicrobial properties of natural substances by in vitro and in vivo tests
- testing natural functional ingredients in fish as animal model.
- **Food Microbiology**
- department facilities: fish rearing systems, chemical labs for characterization of food products

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

Biochemical and nutritional traits of sea bass (Dicentrarchus labrax) from different rearing systems. Italian Ministry of Politiche Agricole, Research N. 6-C-153 (2000-2002)

Concerted actions for the development of organic Aquaculture in Italy . Italian Ministry of Politiche Agricole, Research N. 7C 2 (2009-2010)

Valorization of shellfish products by innovative processing techniques. Friuli Venezia Giulia Regional Project. (2010-2013)

What kind of partners are you looking for (as regards field of competence, country....)?

The partners we are looking for should be involved in 1-the evaluation of antimicrobial and antioxidant properties of ready-to-eat foods. 2- the biochemical characterization of natural extracts. 3- developing innovative materials for packaging

Please provide your contact details:

First and last name: Lucilla Iacumin Francesca Tulli

Research Institute: Department of Food Science

Email: lucilla.iacumin@uniud.it, francesca.tulli@uniud.it

Phone number: 00390432558195



CORE Organic+ Call

Applicant information sheet

Will you attend the Brokerage Event on 18 December?

YES/NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

- 1) Which careful processing methods are mostly accepted whole supply-chain (processors, distributors, consumers): Technology Acceptance Model (TAM)
- 2) Which quality indicators are best understood by consumers?
- 3) Combining LCA with social sustainability and consumer acceptance in evaluating processing methods

What are the strengths of your research institute? (max. 5 lines)

Long term involvement in organic research (since 1988). Participated in two previous CORE organic projects (FCP and QACCP).

Long-term experience in consumer related research in organic.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

CORE ORGANIC QACCP on careful processing

CORE ORGANIC FCP on Farmer Consumer Partnership

Many EU projects: OFCAP, OMIARD, CEEFOP, ORGAP, EISFOM, CERTCOST, QLIF

FP7 SOLID: WP coordinator on technology acceptance by supply chain

Coordinator of FP7 OrganicDataNetwork project.

Coordinator of a national project on bio-energy, WP coordinator of LCA and scenario analysis workpackage

What kind of partners are you looking for (as regards field of competence, country....)?

Technological partners to complement my market and consumer research competencies.

Please provide your contact details:

First and last name: Raffaele Zanoli

Research Institute: Università Politecnica delle Marche

Email: Zanoli@agrecon.univpm.it

Phone number: +39 3483235654



CORE Organic+ Call

Applicant information sheet

Will you attend the Brokerage Event on 18 December?

YES/~~NO~~

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

Safety, quality and environmental issues characterize organic produce and form the bases for the reputation of food products labeled as organic. The project idea is to support the organic pig farming by creating an appropriate analytical system consisting of bio- and geo-markers for recognition and traceability of organic pork, also providing the bases for recovering marginal areas by high quality sustainable production tightly linked to local culture and history.

What are the strengths of your research institute? (max. 5 lines)

Spallanzani Institute works in the areas of reproductive technologies, animal selection, animal welfare, quality and safety of products of animal origin and aquaculture. Scientific expertise includes animal husbandry, molecular genetics, applied microbiology and proteomics. The genetic improvement service carries out genetics research in the fields of animal reproduction and production.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

FILIGRANA (Ministry of Agriculture, 2012-2014): Control of the supply chain and optimization of production processes of Grana Padano. Funding: 3 400 000 €.

RIPROWEL (Ministry of Agriculture, 2009-2014): Reproduction, health and longevity. 2 800 000 €.

SISCRA (Ministry of Agriculture, 2010-2013): Development of an integrated system for the routine analysis, in milk and sheep cheese, of the frequency of alleles resistant to scrapie. 520 000 €.

PROZOO (Lombardia Region, 2009-2013): Application of genomics to fix problems of fertility, disease resistance and products quality in cattle and pigs. Funding: 1 870 000 €.

IDENTILAT (Ministry of Agriculture, 2006-2008): Defining the biological identity of organic milk and setting up strategies for application along the production chain. Funding: 850 000 €.

Coordinator of the EU projects STD3-CT92-0119, AIR2-CT94.1441; CRAFT-CT98-9211; FP6-COLL-CT2006-030278; P.I.C. INTERREG III A 2006; SSP-CT2007-O44424; FP7-KBBE-2007-1-1-2.

What kind of partners are you looking for (as regards field of competence, country....)?

Research institutions with expertise in the fields of:

- Food Quality and Safety
- Traceability of oligoelements
- Animal welfare
- Organic farming and food

Countries:

- Denmark
- Estonia
- Finland
- France
- Germany
- Netherlands
- Romania
- Turkey

Please provide your contact details:

First and last name: Simona Panelli

Research Institute: Istituto Sperimentale Italiano "Lazzaro Spallanzani"

Email: simona.panelli@istitutospallanzani.it

Phone number: 0039-0363-78883



CORE Organic+ Call

Applicant information sheet

Will you attend the Brokerage Event on 18 December?

NO, my colleague
Nienke Holl is present

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	X

Which research questions do you specifically want to address in your project? (max. 5 lines)

How can we produce organic food in such a way that the final product meets the quality and safety expectations of consumers?

What are the strengths of your research institute? (max. 5 lines)

- Multidisciplinary team and an existing network with the agricultural sector (farmers), organic wholesale organizations and contact with consumers
- Strong insight in the reasons for purchasing organic products and the lifestyle choices organic consumers make
- Looking at whole system instead of isolated details

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

"The organic shopping basket", where we compare the purchase of products, the reasons for purchase and its impact on sustainability between organic and conventional consumers. In this project, the aspects of the products, which are important for consumers, are mapped and examined whether the products meet these requirements.

What kind of partners are you looking for (as regards field of competence, country....)?

- Partners outside The Netherlands with knowledge on processing in order to study the above mentioned topic in different regions
- Partners outside The Netherlands with a strong network within their countries

Please provide your contact details:

First and last name: Lucy van de Vijver, PhD

Research Institute: Louis Bolk Institute, The Netherlands

Email: l.vandevijver@louisbolk.nl

Phone number: +31 343 523872



CORE Organic Plus Call

Applicant information sheet – for partnering search

Will you attend the Brokerage Event on 18 December? No (funeral) YES/NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	x

Which research questions do you specifically want to address in your project? (max. 5 lines)

Development of a sustainable method for mycotoxins prevention and pathogen biocontrol agent monitoring in agricultural systems. We propose the trans disciplinary approach to apply biocontrol agent (BA) A26 Fusarium Head Blight (FHB) disease and consequent myxotoxin production. A26 initial applications in controlled systems and field plots have shown good results. Based on the BA genomic sequence and transcriptome analysis the mechanisms of its action are going to be revealed, putative compounds with biocontrol activity isolated and formulation strategies developed.

What are the strengths of your research institute? (max. 5 lines) facilities for growing plants in controlled conditions (phytotrons and grow chambers) GC-MS HPLC for secondary metabolites analyse, molecular biology, sequencing, including transcriptomics and genome wide screening, field experiments with JordbruksVerket

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

The high efficiency of A26 makes it likely that the formulated isolate could be used as an economically important BA and patent application was submitted. In order to ensure the performance of the BA is reproducible in the field, the mechanisms of action have to be revealed and its production/formulation/application optimised. The genome of A26 was sequenced at the Uppsala Genome Centre using Ion Torrent PGMTM systems. The sequence reveals that A26 harbours nine giant gene clusters directing synthesis of bioactive peptides which could be responsible for the effect against FHB. To study the mode of A26 action we developed a method for A26 mutagenesis and managed to inactivate the A26 genes resulting in deficiency in production of the above mentioned bioactive compounds. These mutants were shown to be similar to A26 and provide an excellent tool to study the mechanism of A26 biocontrol.

What kind of partners are you looking for (as regards field of competence, country....)?

We would appreciate partner on bioinformatics background.

Additional International partners on any other FHB related area.

Please provide your contact details:

First and last name: Salme Timmusk

Research Institute: Forest Mycology and Plant Pathology

Email: salme.timmusk@slu.se

Phone number: 0737015402



CORE Organic Plus Call

Applicant information sheet – for partnering search

Will you attend the Brokerage Event on 18 December?

NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	x
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	x
Ensuring quality and safety of organic food along the processing chain	x

Which research questions do you specifically want to address in your project? (max. 5 lines)

We are interested in contributing to projects, with our expertise regarding energy in organic agriculture, as well as climate impacts and other environmental impacts of food production in a life cycle perspective.

What are the strengths of your research institute? (max. 5 lines)

Assessment of environmental impacts of agricultural production of food and biofuels in a life cycle perspective

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

Organic agriculture without fossil fuels – life cycle assessment of different ways for self-supply with energy in organic farming

LCAs of biofuels

Climate impact of organic farming

More info at www.slu.se/energyandtechnology

What kind of partners are you looking for (as regards field of competence, country....)?

We have a wide interest in collaboration

Please provide your contact details:

First and last name: Cecilia Sundberg

Research Institute: Swedish University of Agricultural Sciences, Department of Energy and Technology

Email: Cecilia.sundberg@slu.se

Phone number: +46 18 67 18 11



CORE Organic Plus Call

Applicant information sheet – for partnering search

Will you attend the Brokerage Event on 18 December?

NO

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	
Functional biodiversity to improve management of diseases, weeds and pests	
Livestock health management systems, including breeding	
Ensuring quality and safety of organic food along the processing chain	yes

Which research questions do you specifically want to address in your project? (max. 5 lines)

We have recently studied the difference in wastage of organic and conventional products in Swedish supermarkets, and noticed that organic products have a higher waste percentage. We now want to study why organic products are wasted in retail stores, and how this can be reduced. If the waste can be reduced, the stores can lower their margin, thereby leading to lower prices, which may lead to a positive circle with higher sales volumes and better stock management.

What are the strengths of your research institute? (max. 5 lines)

We do material flow analysis in combination with life cycle assessment of food, and have e.g. studied different waste prevention methods at the retail level, thereby allowing for LCA of different measures to reduce food wastage. Other colleagues within the university do research on physical quality of organic products, post harvest technology, shelflife, etc.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

Reduced food wastage in retail stores - measures and their impact on economy and environment

Co-active in: Carbon Footprint Labelling of Food Products

What kind of partners are you looking for (as regards field of competence, country...)?

Marketing strategic competence. Skilled in trade-offs between assortment diversification vs sales volumes per product, for organic meat, dairy and vegetable products. Other retail food wastage researchers, for comparison of the situation in other countries, especially in countries where the market for organic products is more developed.

Please provide your contact details:

First and last name: Ingrid Strid

Research Institute: Swedish University of Agricultural Sciences

Email: ingrid.strid@slu.se

Phone number: +46 18 67 15 59



CORE Organic Plus Call

Applicant information sheet – for partnering search

Will you attend the Brokerage Event on 18 December?

YES

For which thematic research area do you want to apply?

Plant/soil interaction in organic crop production	Coordination by the Centre EPOK - all themes of interest
Functional biodiversity to improve management of diseases, weeds and pests	“
Livestock health management systems, including breeding	“
Ensuring quality and safety of organic food along the processing chain	“

Which research questions do you specifically want to address in your project? (max. 5 lines)

I represent EPOK – Centre for Organic Food and Farming at the Swedish University of Agricultural Sciences (SLU), working with organic research coordination. As director of EPOK I have an overview of researchers/research groups working within the this field in Sweden, as well as main research areas for activities within organic food systems.

What are the strengths of your research institute? (max. 5 lines)

EPOK has extensive networks among agricultural scientists and stakeholders within the agricultural sector. The staff of EPOK has communication skills and capacities.

Which relevant research projects is your institute running now? What other research projects has your institute carried out in the past? (max. 10 lines)

As part of research coordination and communication a number of projects are running on making knowledge synthesis together with research needs within different areas, examples; Conservation biological control in field vegetables and fruits; Organic food quality and health effects; Potential of recycling of nutrients in organic farming systems by using biogas digest.

What kind of partners are you looking for (as regards field of competence, country....)?

I am looking for partners of interest for Swedish research groups/partners interested of collaboration with Swedish researchers.

Please provide your contact details:

First and last name: Maria Wivstad

Research Institute: Swedish University of Agricultural Sciences, EPOK

Email: Maria.Wivstad@slu.se

Phone number: +46 70 677 14 09