COMPANY SEARCH FORM

Type of organization	☐ University ☐ Research Organization ☐ SME ☒ Other
Experience in EU research projects?	☐ Yes ☐ No
Area of interest	
Thematical or technology area(s) of interest	H2020-WATER-1-2015-two-stage call The main goal of the project is to develop a dry anaerobic digestion of sludge from waste water treatment plants to achieve a "pathogen free" sludge that might be a high quality fertilizer, while increasing the biogas production.
Expertise offered	
Tasks to perform	☐ Research ☐ Training ☐ Tech. development ☐ Management ☐ Dissemination ☐ Demonstration ☐ Other
Offered main activities or technologies	Water treatment equipment and waste disposal systems Engineering services Water, sewerage, chemical and solid waste treatment plants
Offered Skills	
Kind of project or partner searched	
Searched skills	Any type of partners, but especially large companies and SMEs, with interest in the dry anaerobic digestion field, and experience in autotrophic nitrogen removal, biogas and processes control. The partners should come from different fields: -Waste/sludge treatment and agricultural reutilization -Instrumentation and control in solid samples -Dry anaerobic digestion -Nutrient recovery Role of the Partners: -Process control, instrumentation and automation -Process design -Project coordination -Any other task needed
Partner sought	☐ **University** ☐ **Research Organization** ☒ **SME** ☐ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

COMPANY SEARCH FORM

Type of organization	☒ University ☐ Research Organization ☐ SME ☐ Other
Area of interest	
Thematical or technology area(s) of interest	Horizon 2020: Call for Energy-efficient Buildings EeB-08-2015 - SUB CALL OF: H2020-EeB-2014-2015 Topic: Integrated approach to retrofitting of residential buildings Titel of the project: "Vegetation and Retrofit for Districts Energy Efficiency (Ve.R.D.E.E)"
Expertise offered	
Tasks to perform	☒ Research ☐ Training ☒ Tech. development ☒ Management ☐ Dissemination ☐ Demonstration ☒ Other
Offered main activities or technologies	Italian researchers propose a project. The aim is to identify common efficient guidelines and best practices for district and building retrofit interventions in different climate contexts of Europe. Vegetation role is basic for the environmental and economic benefits; indeed, it can contribute to the microclimate mitigation, increasing the levels of outdoor and indoor comfort and providing significant energy saving in existing buildings.
Offered skills	The aim of the project is to identify common efficient guidelines and best practices for district and building retrofit interventions in different climate contexts of Europe. The work sets up from the assumption that significant reductions of the energy consumption can begin from the renovation of districts open spaces, to the building scale through other light retrofit operations on the buildings. The role of vegetation is fundamental for the environmental and economic benefits; The project will demonstrate overall benefits (environmental, social and economic) that can be achieved by planting trees and shrubs and installing BIV systems.
Kind of project or partner searched	
Searched skills	- **Profile 1**: SME involved in Building Integrated Vegetation (BIV); - Activity: manufacturing and installation of BIV systems; - **Profile 2**: SME involved in BIV and in the planting of vegetation in urban areas; Activity: design, production, development and validation of new techniques to improve tree planting from an environmental, technical and economic point of view. - **Profile 3**: Building companies; - Activity: on-site development of retrofit solutions on Social Housing (SH) and districts. - **Profile 4**: National and Local Authorities (Municipalities, Public Housing Agencies, etc) interested in the application of innovative retrofit solution for their public building stock.
Partner sought	☐ **University** ☐ **Research Organization** ☒ **SME** ☒ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

COMPANY SEARCH FORM

Type of organization	☐ University ☐ Research Organization ☒ SME ☐ Other
Experience in EU research projects?	☐ Yes ☐ No
Area of interest	
Thematical or technology area(s) of interest	Horizon 2020 SME instrument topic SFS-8-2014-1 - Resource-efficient eco-innovative food production and processing, application phase 2. Titel of the project: Non-contacting weed removing system
Expertise offered	
Tasks to perform	☒ Research ☐ Training ☒ Tech. development ☒ Management ☐ Dissemination ☐ Demonstration ☐ Other
Offered main activities or technologies	A Danish engineering SME specializing in advanced technical solutions (robots for organic and conventional farming providing efficient and economical weed control without the use of herbicides); The SME has received a small grant from the national Agency for Science, Technology and Innovation to prepare the application.
Offered skills	The subject of the project will be further development of a non-contacting weed removing system including application research and initial evaluation of alternatives to the gas flames as the tool to destroy the weeds. Thus one of the project targets is to find and test alternatives to the gas flames for destruction of the weed. Consequently it will be a target to perform initial evaluation of alternative destruction technologies. It is intended to evaluate steam, microwave and light as alternative destruction methods. Therefore the SME is looking for SME partners within each of the 3 mentioned areas who are to take care of evaluating these alternatives. A test stand where the various technologies can be tested and the destruction capacity, energy consumption etc. assessed will be made at a Danish university's premises.
Kind of project or partner searched	
Searched skills	- SMEs who can evaluate steam, microwave or light as alternative destruction technologies/methods. - Activities: Evaluation tasks
Partner sought	☐ **University** ☐ **Research Organization** ☒ **SME** ☐ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

enterprise europe network

COMPANY SEARCH FORM

Type of organization	☒ University ☐ Research Organization ☐ SME ☐ Other
Experience in EU research projects?	☐ Yes ☐ No
Area of interest	
Thematical or technology area(s) of interest	H2020-SFS-2015-2: Sustainable Food Security. Looking for experts in metabolomics and nanotechnology, livestock farmers (SMEs) and certifying companies.
Expertise offered	
Tasks to perform	☐ Research ☐ Training ☐ Tech. development ☐ Management ☐ Dissemination ☐ Demonstration ☐ Other
Offered main activities or technologies	This project aims to assess of diverse EU animal production systems, with special emphasis on aspects related to animal welfare, establishing based animal welfare indicators. The use of science-based animal welfare indicators will allow flexibility to improve competitiveness of livestock producers. Dissemination of results and adequacy of information to consumers on animal welfare for their purchase choice. The aim of this proposal is to create an observatory in the farm to evaluate how animal welfare can affect to the meat quality.
Offered skills	The leader is interested in developing methods for assessment and improvement of the animal welfare used for commercial or scientific purposes.
Kind of project or partner searched	
Searched skills	- Experts in metabolomics in order to research on the stress metabolites in animals; - Experts in nanotechnology who develop commercial kits for detecting these metabolites; - SMEs working on beef extensive farming, being their role to work in food security and animal welfare; - Certifying entities
Partner sought	☒ **University** ☒ **Research Organization** ☒ **SME** ☐ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

COMPANY SEARCH FORM

Type of organization	☒ University ☐ Research Organization ☐ SME ☐ Other
Area of interest	
Thematical or technology area(s) of interest	H2020 Societal Challenge 2 – Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy – Sustainable Food Production: A. [2014] External nutrient inputs Project Title: MAXImising Crop Production and Minimising Environmental Impact of Nitrogen in Agriculture (MAXIMEINA)
Expertise offered	
Tasks to perform	☒ Research ☐ Training ☐ Tech. development ☒ Management ☐ Dissemination ☐ Demonstration ☐ Other
Offered main activities or technologies	A major University in the North West of England is urgently seeking a partner to support a second stage Horizon 2020 application The project intends to reduce the impact of agriculture on green hause gas emissions and vulnerable water bodies by developing in the field low-cost, nanotechnology-enabled sensors for real-time monitoring of nitrous oxide flux (within static chambers), soil nitrate, ammonium and heavy metal concentrations. The new sensors will enable a step change in our ability to understand and therefore manage nitrogen inputs and environmental impacts by increasing the speed, quantity and quality of the data collected.
Offered skills	The consortium is vertically integrated with: (i) a national research organization with expertise in nanopatterning and device fabrication; (ii) a university with expertise in photonic and gas sensors, e-Agri/communications technology; (iii) SME developing integrated nanotechnology–enabled sensor systems for health and safety; (iv) a higher education institute, expert in agricultural land management; (v) a research and consultancy company, active in the standard nutrient management; (vi) a global multinational end-user that delivers solutions for sustainable agriculture.
Kind of project or partner searched	
Searched skills	Type of partner: SME Role in the project: - Work package Leader 'System integration, Laboratory testing and Fabrication of integrated units for agricultural field trials': responsible for (1) system integration and (2) building the integrated sensor units (150-200 units) for use in agricultural field trials. – Contribution to other work packages including (1) Sensor development and (2) Sensor control and communication
Partner sought	☐ **University** ☐ **Research Organization** ☒ **SME** ☐ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

enterprise europe network

COMPANY SEARCH FORM

Type of organization	☒ University ☒ Research Organization ☐ SME ☐ Other
Experience in EU research projects?	☐ Yes ☐ No
Area of interest	
Thematical or technology area(s) of interest	General Call Blue Growth: Unlocking the Potential of Seas and Oceans Sub-calls: BG-05-2014 Preparing for the future innovative offshore economy (26-06-2014) BG-2015-02 Stage 1, 24-02-2015 BG-2015-01 Stage 2, 11-06-2015 Titel of the proposal: Terrestrial and offshore sustainable aquatic production units.
Expertise offered	
Tasks to perform	☒ Research ☐ Training ☐ Tech. development ☐ Management ☐ Dissemination ☐ Demonstration ☐ Other
Offered main activities or technologies	The scope of the proposal is to investigate: •The application and cost-effectiveness of aquatic production units in various parts of the Mediterranean, in comparison with similar ones in the Atlantic, Baltic Sea and other Northern aquatic reservoirs. These aquatic production units will consist of fish cages, bivalve and other shellfish and invertebrate production structures as well as supporting units for the in-situ production of other aquatic by-products (micro- and macro-algae, minerals and vitamins, etc). •The socio-economic benefits of such aquatic production units through the creation of employment opportunities, the sustainable use of coastal resources and the elimination of conflicts among stakeholders whose activities are inter-related to the coastal resources.
Offered skills	The Greek Lab can be either the coordinator of the proposed project or a partner in a consortium with similar proposal.
Kind of project or partner searched	
Searched skills	- Universities/research centers capable of developing offshore technologies in order to produce aquatic products based on renewable energy sources. - SMEs willing to test these technologies in real-production conditions and develop them further.
Partner sought	☒ **University** ☒ **Research Organization** ☒ **SME** ☐ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

COMPANY PROFILE FORM

Type of organization	☐ University ☐ Research Organization ☒ SME ☐ Other
Experience in EU research projects?	☐ Yes ☐ No
Area of interest	
Thematical or technology area(s) of interest	- H2020- 6- WASTE - LIFE Environment and Governance - UCO (=Used cooking oil); - Life cycle; - Urban waste, waste monitoring, waste reduction; - ICT for waste collection and monitoring;
Expertise offered	
Tasks to perform	☒ Research ☐ Training ☒ Tech. development ☐ Management ☐ Dissemination ☒ Demonstration ☐ Other
Offered main activities or technologies	Company's goal is powering the process of UCO collection and increasing its rentability in terms of : i) commercial revenue and ii) social-environmental benefit. The current UCO production chain does not account the economic profit arising from the fact that - larger amounts of recycled UCO - means - larger amounts of water subtracted to contamination by UCO improper disposal-. The new model "DROP", solves the problem of the wrong disposal of UCO by families. DROP realizes a production ring , as alternative to chain, that switches an incentive to UCO collection and increases the absolute revenues from UCO recycling.
Offered skills	1. Novel strategy of access to so far unexploited basins of UCO in densely populated urban areas , helped by introduction of a SIMPLOILrealized UCO-collector (IT-patent 2012); 2. Novel strategy of incentives to UCO collection through the realization of products/services/processes provided by SIMPLOIL or/and partner enterprises (included explicitly in the production ring). 4. Sale of UCO to refining plants, presently transforming it into: a) biodiesel; b) glycerines; c) distilled fatty acids; d) vegetable olein; e) pitches
Kind of project or partner searched	
Searched skills	- Active participation in EU-projects. Coordinator experience would be a plus.
Partner sought	☒ **University** ☒ **Research Organization** ☒ **SME** ☒ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

COMPANY SEARCH FORM

Type of organization	☐ University ☐ Research Organization ☒ SME ☐ Other
Experience in EU research projects?	☒ Yes ☐ No
Area of interest	
Thematical or technology area(s) of interest	Horizon 2020: WASTE-7-2015: Ensuring sustainable use of agriculture waste, co-products and by-products.
Expertise offered	
Tasks to perform	☒ Research ☐ Training ☒ Tech. development ☒ Management ☒ Dissemination ☒ Demonstration ☒ Other
Offered main activities or technologies	This company is specialized in natural compound research and development, applied to the pharmacy, cosmetics and agro-food industries. Built around an innovative technological platform, it succeeded to gather expertise in wide and complementary fields such as pharmacognosy, medicinal & analytical chemistry, molecular modeling and knowledge management. Moreover, a development platform was recently implemented allowing it to bring an idea from research to the product at the pilot scale.
Offered Skills	- Phytochemistry: development of methods for extraction, purification (until pilot scale) and characterization of metabolites in complex matrices, activity-guided fractionations; - Molecular modeling: legend and structure-based virtual screening, QSAR, in silico activity identification (eg drug repositioning, identification of activities for natural compounds...) with our proprietary tool Selnergy; - Medicinal chemistry: synthesis on demand, lead optimisation, natural compound mimics (eg. Pyrazolotriazine...), library design... - Knowledge management: database design and building.
Kind of project or partner searched	
Searched skills	- Active participation in EU-projects. Coordinator experience would be a plus.
Partner sought	☒ **University** ☒ **Research Organization** ☒ **SME** ☒ **Other**

I agree to the publication of my data in the EEN data base
Further information een-partnersuche@bayfor.org

Technology Offer

Environmentally friendly remediation system for petroleum contaminated water

Summary

A Swedish SME has invented and developed an environmentally friendly system for remediation of petroleum contaminated water. The system is based on tree bark, which is processed into a hydrophobic (water repellant) state. The absorbent is highly efficient, and very suitable for pressurized systems and large water flows. The SME is looking for industrial partners for commercial agreement with technical assistance.

Creation Date	24 June 2013
Last Update	23 April 2014
Expiration Date	23 April 2015
Reference	13 SE 67BY 3RPB

Details

Description

Common pine tree bark is in itself an very good absorbent of all kinds of petroleum products. It is also richly available at low cost. Based on this, the Swedish SME has invented and developed a highly efficient system for remediation of petroleum contaminated water in an environmentally friendly way. The bark is processed into a hydrophobic (water repellant) state, still keeping the petroleum absorbing qualities intact. Due to the high purification efficiency, the absorbent is particularly suitable for high-volume applications and pressurized systems, e g oil industry, process and manufacturing industry, harbours, fresh water cleaning, vehicle washes, mining industry, recycling etc. The SME is looking for companies in the process industry, the manufacturing industry, the recycling trade etc, for commercial agreement with technical assistance. The SME provides the absorbent, as well as technical consultancy, regarding construction and building of new facilities, e g design plans. Current and Potential Domain of Application:

Advantages and Innovations

Pine tree bark is a rich nature asset, highly available at low cost, since it is a bi-product from lumber and pulp processing. In itself, tree bark is an excellent absorbent of petroleum products. Compared to activated carbon, the petroleum absorbtion capacity of bark can be up to 20 times higher. The technology is highly efficient and environmentally friendly. The high purification speed makes the absorbent especially suitable for pressurized and high-flow systems. Production of the absorbent, including the hydrophobication process, is low-cost and environmentally friendly. The absorbent is easily applicable in existing plants, presently using activated carbon. When the material is used, the petroleum-saturated bark can be used as fuel in e g thermal power plants.

Stage of Development

Already on the market

IPR Status

Secret Know-how

Profile Origin

Private (in-house) research

Keywords

Technology

007002005	Wood Products
010002004	Environmental Engineering / Technology
010002009	Water Pollution / Treatment
010003004	Recycling, Recovery

Market

008001017	Industrial chemicals
008003007	Other industrial equipment and machinery
008004002	Chemical and solid material recycling
008004003	Water treatment equipment and waste disposal systems

NACE

M.72.1.1	Research and experimental development on biotechnology

Network Contact

Issuing Partner

Bayerische Forschungsallianz GmbH (Bavarian Research Alliance)

Contact Person

Natalia G. Mozo

Phone Number

+49 89 9901 888-171

Email

garciamozo@bayfor.org

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Client Country

Sweden

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Industry - Specific area of activity of the partner: Process, manufacturing, recycling, or any other area in need of remediation of petroleum contaminated water - Task to be performed by the partner sought: Adapt the bark absorbent system for water purification in their plants, either by converting existing facilities or building new ones

Type of Partnership Considered

Commercial agreement with technical assistance