

Profile Status: Published

Research & Development Request

An Estonian spectroscopy company is looking for partners for H2020-EIC-SMEInst-2018-2020 SME-2 SME instrument phase 2

Summary

An Estonian SME with more than 25 years of experience in the field of Fourier Transform Infrared (FTIR) Spectroscopy is looking for SME partners active in breast cancer diagnostics and treatment. The partners will be involved in the SME-2 project (H2020-EIC-SMEInst-2018-2020) by getting "in vitro" samples from patients with breast cancer and from healthy persons. The capability to carry out statistical analysis of the measured infrared spectra of "in vitro" samples would be highly appreciated.

Creation Date 28 December 2017

Last Update 27 February 2018

Expiration Date 01 May 2018

Reference RDEE20171228001

Public Link https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/edcf4ad5-8f71-

45ba-bddf-6022764ab07b

Details

Description

The Estonian company has been manufacturing Fourier Transform Infrared (FTIR) spectroscopy instruments since 1991. The company's instruments have been used in many fields and applications, including analytical chemistry, food, environment, biomedical and academic research.

During these years, the company has been engaged in the development of infrared and near-infrared Fourier transform (FTIR) spectrometers for laboratory as well as for field use. The company's scientists and engineers have extensive research and development expertise regarding infrared and near infrared spectroscopic equipment. For instance, they have previously developed a series of infrared space-borne spectrometers for atmospheric research.

The company has previously participated in several national and international projects connected with the development of innovative FTIR spectrometers. Now, they are putting together a consortium for the H2020-EIC-SMEInst-2018-2020 SME-2 SME instrument phase 2 call. The proposal will be submitted by 23 May 2018 and the company is expecting partner offers until 1 May 2018. The project activities are planned for ca. 2 years.

Advantages and Innovations

Ref: RDEE20171228001

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The main innovation of the technology is in the developed non-invasive remote screening method for breast cancer screening. The method is using infrared spectroscopy to non-invasively detect molecular changes in women who have cancer. Specifically, infrared spectroscopy of women's "in vitro" samples will be used to measure these changes.

The analysis can be done remotely – "in vitro" samples can be sent to a laboratory in an envelope to the analyzing center. The attenuated total reflection (ATR) measurement technique will be used as the basic sample handling and measuring technique.

Stage of Development

Proposal under development

Comments Regarding Stage of Development

The spectra of "in vitro" samples of healthy women and patients with breast cancer have been measured by infrared spectroscopy. Some spectral differences were elucidated between samples of healthy women and that of breast cancer patients. A comparative study on the FTIR-ATR spectra of breast cancer patients along with the healthy subjects has been made. The spectral absorption values of some of the specific spectral bands of biomolecules present in the hair samples for both subjects are noted. It was observed that these biomarkers are different between samples of healthy women and that of breast cancer patients. The results were further validated with statistical analysis by applying Principal component analysis (PCA), which indicated that the spectral variations are statistically significant. The project has come through stage I (starting the development), stage II (building a proof of concept), stage III (developing the solution components), stage IV (developing the testing tools and tests) and has reached the stage V – building the solution.

IPR Status

Secret Know-how

Keywords

Technology

06001005 Diagnostics, Diagnosis

09001007 Optical Technology related to measurements

Market

03007003 Other analytical and scientific instrumentation

05001002 In-vitro diagnostics 05004005 Diagnostic equipment

NACE

C.28.9.9 Manufacture of other special-purpose machinery n.e.c.
M.74.9.0 Other professional, scientific and technical activities n.e.c.

Q.86.9.0 Other human health activities

Network Contact

Ref: RDEE20171228001

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Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI: Yes

Dissemination

Send to Sector Group

Healthcare

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

1996

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

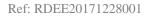
Client Country

Estonia

Partner Sought

Type and Role of Partner Sought

The partners are expected to be involved in getting "in vitro" samples from patients with breast cancer and the same samples from healthy persons. Involvement in the further measurement of the gathered samples and in statistical analysis of the infrared spectra of "in vitro" samples





would be highly appreciated. These partners would have to be SMEs, e.g. private medical (research) centers and clinics.

All in all, the company is looking for a partner who has the necessary expertise and know-how to take responsibility for the following activities:

- *gathering "in vitro" samples from patients with and without breast cancer;
- *measuring the "in vitro" samples with an FTIR spectrometer;
- *analyzing the measured spectra statistically.

Type and Size of Partner Sought

SME 11-50,SME <10,SME 51-250

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

EIC-SMEInst-2018-2020 SME Instrument Phase 2

Anticipated Project Budget

2 MEUR

Coordinator Required

No

Deadline for EOI

01 May 2018

Deadline for Call

23 May 2018

Weblink to the Call

https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eicsmeinst-2018-2020.html

Attachments



Ref: RDEE20171228001

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Profile Status: Published

Research & Development Request

H2020 - SC1-BHC-23-2018 – Spanish SME is looking for partners with expertise in biomarkers analysis and pharmaeconomics, manufacturers of dietary supplements from natural products and health-app developers.

Summary

A Spanish SME specialized in design and management of Strategic Clinical Trials is writing a proposal for the call H2020-SC1-BHC-23-2018. The project aims to evaluate the efficacy of one promising natural compound as a dietary supplement in the improvement of side effects related with cancer treatment. They are looking for partners with expertise in biomarkers analysis and pharmaeconomics, dietary supplements manufacturers and health-app developers. They are also looking for a coordinator.

Creation Date25 January 2018Last Update30 January 2018Expiration Date02 April 2018

Reference RDES20180124001

Public Link https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/6183c886-4f7d-

4394-b964-f0274d629314

Details

Description

Cancer patients that have been treated with chemotherapy experience complex interactions of associated symptoms related with late and long-term toxicities and side-effects. Many of these symptoms risk chronification and imply an enormous burden to European public health systems. Furthermore, those symptoms are also related with a swift deterioration of the patients' capacity to successfully return to their previous social and professional lifestyles, with the significant impact this entails on society as a whole.

Many of these late symptoms already appear during acute treatment phase, suggesting that the initial control of these symptoms during treatment might result in an improvement of the long-term patient state. A great number of preclinical studies have shown that the active principles present in natural products are able to regulate factors such as oxidative stress, inflammation and immunomodulation. Nevertheless, strong clinical evidence regarding the actual efficacy of dietary supplements in treating cancer treatment-induced late symptoms is still lacking. The fact

Ref: RDES20180124001

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that nearly half of patients diagnosed with cancer report they take dietary supplements as a consequence of their diagnosis further highlights the urgent need to generate strong scientific evidence about the potential of these products. Lack of strong clinical evidence regarding these products (not only about their efficacy, but also about their possible interactions with current conventional drugs) greatly complicates physicians' role when advising patients about their use, which is a growing demand in modern cancer medical practice.

In this project the company intends to carry through two strategically designed phase II clinical trials to evaluate the efficacy of a promising natural compound as a dietary supplement in the improvement of both acute and long-term side effects related with cancer treatment in patients and survivors. They will focus on symptoms with the potential to become chronic and which entail a huge impact both in Public Health Systems and in social productivity.

In short, they plan to study the efficacy of the selected supplement to ameliorate the state of cancer-treated subjects, and also the potential interactions and positive synergies arising between the selected supplements and the conventional therapies received by the patients. Subjects will be monitored in order to check the effect of dietary supplementation during the acute treatment stage and in their long-term symptoms. One study will recruit newly diagnosed patients starting anticancer therapy, to see if by controlling acute symptoms during the treatment phase it is possible to decrease the prevalence and severity of long term side effects once patients are finished with their treatments and acquire survivor status. The second study will recruit survivors exhibiting long-term side effects from previous cancer treatment, to check whether this strategy can also be used when the patients are already symptomatic.

Objectives:

- Generation of strong clinical evidence on the feasibility of the use of dietary supplements derived from natural products to prevent and manage long-term symptoms of cancer treatment
- Reduced symptom burden and suffering or improved well-being of patients in need of survivorship care and their formal and informal caregivers
- Improved clinical guidelines and policy recommendations with respect to survivorship care of patients afflicted by late and long term side-effects
- Improved quality, effectiveness and cost-effectiveness of survivorship care services as well as access to care
- Reduced economic and wider societal burden arising from increased numbers

Call: H2020 - SC1-BHC-23-2018: Novel patient-centered approaches for survivorship, palliation

and/or end-of-life care.

Deadline for EOIs: 02 April 2018 Deadline for Call: 18 April 2018

Stage of Development

Proposal under development

Keywords

Technology

06001002 Clinical Research, Trials

06001003 Cytology, Cancerology, Oncology

06001012 Medical Research

Ref: RDES20180124001

European Carrination



08001002 Food Additives/Ingredients/Functional Food

Market

05005014 Oncology

05005022 Other clinical medicine

Network Contact

Issuing Partner

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Open for EOI: Yes

Dissemination

Send to Sector Group

Bio Chem Tech

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

Ref: RDES20180124001





English Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Institution with expertise in the management/coordination of European H2020 Projects: Financial Administration of the project, Contractual and IPR management, meeting organization, etc.
- Institution with expertise in biomarker analysis in biological samples: Exploratory study of biomarkers able to predict response and resistance to the compound.
- Company with expertise in pharmacoeconomics: Evaluate the potential impact of the proposed approach considering the obtained results.
- Company who produces/markets dietary supplements from natural products: Generate the supplement to be used in the Study. Protect and market related products.
- Company with expertise in the development of health apps: Develop a method to remotely register and monitor patients' physical, emotional, mental, social, and environmental state, including their use of complementary and alternative medicine (an app questionnaire of Quality of Life/concomitant integrative approaches).
- Cancer Patients Association: Review Quality of Life questionnaires. Review health app. Participate in results dissemination.

Type and Size of Partner Sought

SME 11-50,R&D Institution,SME 51-250

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

H2020 - SC1-BHC-23-2018: Novel patient-centered approaches for survivorship, palliation and/or end-of-life care.

Anticipated Project Budget

4 M€

Ref: RDES20180124001





Coordinator Required

Yes

Deadline for EOI

02 Apr 2018

Deadline for Call

18 Apr 2018

Weblink to the Call

https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-23-2018.html

Attachments



Corporate Corporate



Profile Status: Published

Research & Development Request

H2020-ICT-26-2018-2020: technology providers sought for an Al (Artificial Intelligence) on-demand platform

Summary

A Spanish company working in robotics is preparing a proposal for the topic H2020-ICT-26-2018-2020 "Artificial Intelligence" (AI). The aim of the project is to create a European AI-on-demand platform to mobilise the European AI community to support businesses and sectors in accessing expertise, knowledge, algorithms and tools to successfully apply AI thereby generating market impact. Technology providers experienced in AI are sought.

Creation Date15 February 2018Last Update20 February 2018Expiration Date19 March 2018

Reference RDES20180215001

Public Link https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/d7acbfa3-ba9c-

448e-8e55-0e98ddd17c6e

Details

Description

The objective of the project is to build a European reference on-demand platform in the AI (Artificial Intelligence) community. The contribution of the partners will consist of adding modules, algorithms, etc., which will be wrapped into the platform where they will be able to test their creations of their student's. They will not leave their creations in a lab but they will share them with the AI community and they will profit from it, both in terms of prestige and income. Their creations (called sparks) can be sold, bought or given for free. This will allow them to increase their income for other/future researches.

The budget for each partner will range from 20000 to 200000 Euros depending on the partner's contribution. The more they contribute, the higher budget they obtain.

The Spanish company believes in their strong possibilities in this proposal as they already have a collaborative on-demand on line platform in which they have been thoroughly working for the last 6 years. The platform gathers all the algorithms and modules so that other users may customize their AI.

Framework programme conditions: Topic topic H2020-ICT-26-2018-2020 "Artificial Intelligence". Research and Innovation Actions, single-stage evaluation.

Deadline for expressions of interest: 19 March 2018

Call deadline: 17 April 2018.

Ref: RDES20180215001

European Commission



The partners sought are technology providers (companies, universities or research centres) with expertise and knowledge in the Logic and Cognition field.

Stage of Development

Proposal under development

Keywords

Technology

01003003 Artificial Intelligence (AI)

Market

02007016Artificial intelligence related software02007020Artificial intelligence programming aids02007021Other Artificial intelligence related

08002004 Robotics

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Open for EOI: Yes

Client

Type and Size of Organisation Behind the Profile

Ref: RDES20180215001





Industry SME <= 10

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Companies or research institutions that will participate in the project as technology providers offering their expertise and knowledge in Logic and Cognition.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Business and innovation services

Call title and identifier

ICT 26: Al-On-Demand Platform

Coordinator Required

No

Deadline for EOI

19 Mar 2018

Deadline for Call

17 Apr 2018

Weblink to the Call

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-26-2018-2020.html

Attachments

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Profile Status: Published

Research & Development Request

LC-GV-04-2019: A French SME looking for trucks and passenger cars manufacturers to develop a combustion engine based on heat recovery technology reducing energy consumption

Summary

A high-performance French SME operates in the sector of intelligent energy applied to automotive, transport and logistics. In response to the H2020 "LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches" the coordinator of the project is seeking partners to integrate a heat to power recovery technology reducing energy consumption on an vehicle through a research cooperation agreement. Partners sought are trucks and passenger cars manufacturers.

Creation Date31 August 2017Last Update13 February 2018Expiration Date20 June 2018

Reference RDFR20170831001

Public Link https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/29484280-4c98-

4de9-b568-169abfbeb2d0

Details

Description

The global shift to low-carbon economy has started and its pace is accelerating through the European strategy for low-emission mobility. The low-emission mobility strategy aims at increasing the transport system efficiency, boosting the development of low-emission alternative energy for transport and moving towards zero-emission vehicles. For this purpose, improvements related to the internal combustion engine will be needed to accelerate the energy transition in Europe.

The topic of long-distance transport is highly important as it is one of the most consumer of energy and contributor to CO2 emissions. The main challenge and objective to be addressed by LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches call forthcoming is to reduce energy consumption, CO2 emissions in Europe.

As a response to the LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches call, the French coordinator of the project has developed a very innovative integrated waste heat recovery system based on an Organic Ranking Cycle. The SME is proposing this solution to vehicles that would integrate the innovative technology. The objective of such a project is to boost the energy transition towards low-emission vehicles by proposing an

Ref: RDFR20170831001

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innovation reducing fuel consumption and emissions. As being active in the sectors of intelligent energy, automotive, transport and logistics, the SME has already proved its expertise and skills in many technical fields as follows: □ Demotruck □ Engineering □ Test benches Industrialisation Indeed the SME has already been funded by the European funding programme SME Instrument - Project Phase 2 for the H2020-SMEINST-2-2016-2017 call. The SME with its technical expertise combined with its experience in the European H2020 programme constitutes a real asset and could bring added-value to the market in the light of the European strategy on energy and green transport. The innovation developed is a response to the low-carbon economy. The French SME is looking for partners to integrate the waste heat recovery system in trucks or coaches, passenger cars or generator sets. Partners sought are SMEs, MNEs or other type of organisations with expertise in: ☐ Trucks Original Equipment Manufacturing □ Passenger cars Original Equipment Manufacturing □ Trucks Tier One manufacturing □ Passenger cars Tier One manufacturing Timescale: The deadline for Expressions of Interest is the 1st of February 2018. **Advantages and Innovations** Advantages: ☐ Efficiency: The innovation is designed to reach the best efficiency/cost ratio. □ Validation: The innovation has been tested by 3 OEMs and 4 Tier Ones. Innovations: □ Patented: The innovative heat recovery system is protected by 10 patents worldwide.

Stage of Development

Prototype available for demonstration

IPR Status

Secret Know-how, Patent(s) applied for but not yet granted

Keywords

Technology

02008005 Road Transport 02009004 Road Vehicles

04005010 Integrated waste-energy processes





04007003 Process optimisation, waste heat utilisation

04008001 Combustion, Flames

Market

06006003 Heat recovery

06011 Energy for Transport

08003006 Power transmission equipment (including generators & motors)

09001002 Trucking

09001005 Motor vehicles, transportation equipment and parts

NACE

C.25.9.9 Manufacture of other fabricated metal products n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI: Yes

Dissemination

Send to Sector Group

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile





Industry	SME	11	-49
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Year Established

n

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

French

Client Country

France

Partner Sought

Type and Role of Partner Sought

Expertise of partners sought:

- ☐ Trucks original equipment manufacturer
- ☐ Passenger cars original equipment manufacturer
- ☐ Trucks tier one manufacturing
- ☐ Passenger cars tier one manufacturing
- ☐ Coaches original equipment manufacturer

Role of partners:

- ☐ Integrating the innovative technology developed
- ☐ Marketing

Type and Size of Partner Sought

University, R&D Institution, >500 MNE, 251-500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches

Coordinator Required

No

Deadline for EOI

20 Jun 2018

Deadline for Call

20 Jun 2018





Weblink to the Call

https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/17092720 final-pre-publ-cps-h2020-sc4-2018-2020.pdf

Attachments





Profile Status: Published

Research & Development Request

H2020-SC3-RES-1-2019 : Companies with expertise in photovoltaics fabrication, power device, sensors are sought

Summary

A French university will act as a coordinator of a European project aimed at developing new approaches for the fabrication of power devices. The consortium has identified 2 relevant calls to implement this project: LC-SC3-RES-1-2019 and LC-NMNP-32-2019. Industrial partners active in semiconductor electronics/sensor/photovoltaic (PV) are sought to complete the consortium.

Creation Date 20 February 2018
Last Update 21 February 2018
Expiration Date 31 August 2018
Reference RDFR20180219001

Public Link https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/44e4e022-8c86-

48d6-9494-39426c1631eb

Details

Description

The objective of the PROXY consortium is to develop a solution addressing the issue of efficient energy conversion. The consortium will develop novel approaches for the fabrication of power devices/ PV cells / sensors via the adoption of a new and environmentally friendly electronics technology based on the emerging, cost effective and earth abundant element based wide bandgap (WBG) semiconductor.

The consortium already includes academics and companies:

- 1. French University (Coordinator)
- 2. University, Germany
- 3. Institute Spain
- 4. University UK
- 5. University Georgia
- 6. University, Finland
- 7. French SME- France

The partners already selected in the consortium are expert in raw material research, manufacturing of epiwafer, PV cells, power device, recycling, life cycle assesment, economic quantification.

During the project, the consortium plans to demonstrate

Ref: RDFR20180219001

Corpore Corpore



that novel methodologies and technologies for the fabrication of beyond state-of-the-art power devices /PV cells/sensors would also simultaneously offer both lower cost and higher performance.

Design issues related to green electronic devices (on the base of non toxic material) for moving toward device miniaturization, with reducing cooling requirements (water waste) will be also taken into account.

The device potential environmental impact and the potential market by designing a circular economy model will be also included in the project.

At the end of the project, the TRL 4 should be reached.

A SME and A MNE are sought to complete the consortium.

Two topics have been identified by the consortium:

LC-SC3-RES-1-2019-2020: Developing the next generation of renewable energy technologie - 2 stages - 1st deadline 16 October 2018

LC-NMBP-32-2019 : Smart materials, systems and structures for energy harvesting - 2 stages - 1st deadline 22 January 2019

Deadline for expression of interest are August 31st 2018 and October,31st 2018.

The project PROXY has duration of 40 months.(173 weeks)

Advantages and Innovations

Brief description of the state of the art:

Among semiconductors, Silicon(Si) is the foundational technology against which all others are compared.

Research has approached the atomic limit of scaling for Si to reach the pinnacle of its performance and the fundamental limitations of Si performance at the device level have been identified .There still remain applications and functions that are out of reach for this material.

PROXY proposes the new generation ultra high band gap wafer growth/characterization and device fabrication.

Potential Applications of devices:

- power electronics (energy transmition, conversion, electrical vehicles, etc)
- high-temperature signal processing
- harsh environment electronics = aeronautic, automotive, industry, remote location and space with respect to harsh-environment operation
- wireless communication devices/circuits, chemical sensing = IoT
- PV cells

Keywords

Technology

01002012 Semiconductors 02007022 Conductive materials

Ref: RDFR20180219001

European Carrinisan



04002005 Generators, electric engines and power converters

04005004 Photovoltaics

Market

03001001 Semiconductors 03003 Power Supplies

03004001 Semiconductor fabrication equipment and wafer products

06002003 Power grid and distribution

06003002 Photovoltaics

NACE

M.72.1.9 Other research and experimental development on natural sciences and

engineering

Network Contact

Issuing Partner

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Open for EOI: Yes

Dissemination

Send to Sector Group

Materials

Restrict Dissemination to Specific Countries

Austria, Belgium, Bulgaria, Canada, Croatia, CzechRepublic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary,

Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg,

Macedonia, Theformer Yugoslav Republicof, Malta, Moldova, Montenegro,

Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UnitedKingdom,

Ref: RDFR20180219001

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Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Russian

French

Spanish

Italian

Client Country

France

Partner Sought

Type and Role of Partner Sought

- SME interested in power device / sensors/ PV cells fabrication .The SME will act as an "end user".
- Industrial (MNE), to integrate into the consortium an advisory or management board member, giving guidelines and promoting the circular economy model for gallium.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

LC-SC3-RES-1-2019-2020: Developing the next generation of renewable energy technologie

LC-NMBP-32-2019 : Smart materials, systems and structures for energy harvesting

Submission and evaluation scheme

Two-stage submission scheme: a short proposal for the first stage followed by full proposal for the second stage, if it passes the first-stage evaluation.





Coordinator Required

No

Deadline for EOI

31 Aug 2018

Deadline for Call

16 Oct 2018

Weblink to the Call

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-1-2019-2020.html

Project Title and Acronym

Gallium oxide based Oxytronics - PROXY

Attachments

Ref: RDFR20180219001

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