

Research & Development Request

MG-2-7-2019: Safety in an evolving road mobility environment. Seeking for companies in robotics, research centers or universities that have experience with human body models and automated vehicles

Summary

A Greek SME is preparing a proposal to the call MG-2-7-2019. The project aims at creating simulation models on traffic and collision scenarios, design advance human-machine interfaces for automated vehicles and evaluate them at a controlled environment. The coordinator is looking for companies from Germany, Austria, Italy, Sweden and Norway related to robotics as well as research centers or universities that have experience with human body models and automated vehicles.

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation Date | 04 September 2018 |
| Last Update | 12 September 2018 |
| Expiration Date | 01 November 2018 |
| Reference | RDGR20180903001 |
| Public Link | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fd98d148-8a73-4b1c-a30b-1f54d555370b |

Details

Description

One of the priorities of the EU today is to enhance solutions which will contribute to industry competitiveness and EU leadership in road safety as the vehicle types are beginning to change due to the increasing levels of automation. Although increased levels of automation and connectivity to vehicles has its benefits, it also has challenges. The expected impact of addressing the new challenges, is to reduce the injuries and fatalities in road accidents and make cities safe, resilient and sustainable.

A Greek consulting SME company, working in the fields of the logistics and transport for the provision of innovative solutions, has formed an initial consortium for the specific topic. The consortium formed is experienced in simulation and operation of automated vehicles and in generation and implementation of collision scenarios in a simulated environment. The project seeks to improve the assessment of safety solutions in both real-world conditions and in future mobility scenarios. Moreover, the project seeks the integration of higher levels of connectivity and automation in transport. The Greek company is looking for companies related to robotics as well as research centers or universities that have experience with human body models and automated vehicles. The company is looking for a ready human-machine interface to be tested in simulation solutions and real-conditions.

The type of the partnership considered is the research cooperation agreement with companies, research centers or universities in Germany, Austria, Italy, Sweden and Norway.

Funding programme: H2020

Topic: MG-2-7-2019 - Safety in an evolving road mobility environment

Expected duration: 24 months

The deadline for the project submission is 16 January 2019.

The deadline for EOIs in this profile is 1 November 2018.

Stage of Development

Proposal under development

Keywords

Technology

| | |
|----------|---------------------------------|
| 02008002 | Intermodal Transport |
| 02008003 | Logistics |
| 02009008 | Navigation and embedded systems |
| 02010001 | Planning and security |
| 02010003 | System and transportation |

Market

| | |
|----------|----------------------------------------------------|
| 01004008 | Other data communications |
| 09001005 | Motor vehicles, transportation equipment and parts |
| 09001007 | Other transportation |

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI : **Yes**

Dissemination

Restrict Dissemination to Specific Countries

Austria, Germany, Italy, Norway, Sweden,

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2016

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

Seeking for companies working with robotics. Seeking also research centers or universities that have experience with human body models and automated vehicles.

The Greek company would like to engage these partners in the proposal under a research cooperation agreement.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, SME 51-250

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

MG-2-7-2019

Submission and evaluation scheme

2nd stage

Coordinator Required

No

Deadline for EOI

01 Nov 2018

Deadline for Call

16 Jan 2019

Attachments

Research & Development Request

Turkish university is seeking research cooperation agreements for HORIZON2020 MSCA Cofund program CoCirculation2

Summary

A Turkish university is looking for research cooperation agreements and is offering research fellowships in the fields of agricultural, pharmaceutical, medical and computer sciences with researchers having technical skills for the development of new scientific methods and innovative product prototypes in the related fields. The aim is to apply for the H2020 MSCA Co-Fund program CoCirculation2.

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation Date | 31 August 2018 |
| Last Update | 28 September 2018 |
| Expiration Date | 27 September 2019 |
| Reference | RDTR20180809001 |
| Public Link | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/b2a16546-5166-439d-a7e8-5e6b431f9727 |

Details

Description

A Turkish university is looking for research cooperation agreements in the following topics:

1. Traditional and complementary medicine applications: medicinal plants, seed technologies, extraction of bioactive compounds, molecular biology and biotechnology, pharmaceutical formulations,
2. Renewable energy resources, forest ecology, soil&water protection
3. Composite materials, recycling of agricultural and industrial waste materials,
4. Deep learning, Quantum computing/Grover's search algorithm, DNA encryption, DNA data storage, artificial intelligence,
5. Nursing informatics, health informatics, embedded systems in biomedical device technologies
6. Other cutting edge science technologies can be offered by the candidate fellows.

The aim is to apply for a H2020 MSCA Co-Fund program called "CoCirculation2". The programme will be executed by the Science Fellowships and Grant Programmes Department (BİDEB) within Turkish Scientific and Technological Research Council (TÜBİTAK) co-funded by European Commission Horizon 2020 Marie Skłodowska-Curie Actions Cofund program "Co-Funded Brain Circulation2 Scheme (CoCirculation2)".

Eligibility criteria for the applicants are as follows:

They must be Experienced Researchers, i.e. researchers who, at the time of the relevant deadline for submission of proposals, are in possession of a doctoral degree or have at least

four years of full-time equivalent research experience. Researchers may be of any nationality or age.

Researchers must comply with the mobility rule that applies to them, either the standard mobility rule or the flexible mobility rule.

Standard mobility rule: ERs must be non-residing in Turkey for more than 12 months in the three years prior to the relevant deadline for submission of proposals. Short stays which does not exceed 20 days in total in a year and compulsory national service are not counted. This standard mobility rule applies to all applicants not being eligible for the flexible mobility rule.

Flexible mobility rule: ERs must not have resided or carried out the main activity (work, studies, etc.) in Turkey for more than 36 months in the 5 years immediately before the call deadline. Short stays which does not exceed 20 days in total in a year and compulsory national service are not counted.

The flexible mobility rule will apply to four groups of researchers:

Reintegration applicants: For applicant wishing to benefit from the flexible mobility rule for reintegration, applicant must be a long-term resident (Long-term residence means a period of full-time research activity in the Turkey at least 5 consecutive years.) of Turkey. Applicants must in addition to this rule also move or have moved directly from a non-EU country to Turkey.

Applicant with refugee status: To benefit from the flexible mobility rule, researchers must have refugee status in accordance with the Turkish regulatory system at the time of the relevant deadline for submission of proposals, and principles laid down by the Geneva Convention.

Career restart applicants: To benefit from the flexible mobility rule, applicants must in addition to this rule also have had a career break in research, i.e. they must not have been active in research for at least 12 months prior to the relevant deadline for the submission of proposals.

Advantages and Innovations

The CoCirculation2 funding program offers fellowships to researchers willing to with the equivalent conditions of H2020 MSCA Individual Fellowships program. All fellowships must have an international component and intersectoral and interdisciplinary elements in each project are highly encouraged. 6 months of secondment to academic or non-academic institutions are possible.

The Turkish host university welcomes researchers from all disciplines. The university is an equal opportunity employer. Considering the Euro/TL currency exchange rates, the quality of life with the offered funding is more than satisfactory.

The Turkish university has a Technopark and Technology Transfer Office (TTO) supporting industry collaborations and patent applications.

Technical Specification or Expertise Sought

The research fellows applying for the research cooperation agreements are expected to have sufficient academic background in their related field and technical expertise to carry out research activities independently. The candidates of the fellowship program are also expected to participate in general laboratory management, training of graduate students in the project and writing scientific papers and reports.

Stage of Development

Project already started

Comments Regarding Stage of Development

Research projects in some of the topics have already started while some topics are open to suggestions from research fellows. The final topics of the proposals in the framework of the research cooperation agreements will be determined by both the applicant and the professors from host university.

IPR Status

Design Rights, Trade Marks, Exclusive Rights, Copyright, Other

Comment Regarding IPR status

The intellectual property rights of the research outputs to be completed under the host university will be owned by the host university. Any revenue generated by licencing the patents or know-how will be shared among the inventors.

Keywords

Technology

| | |
|----------|------------------------------|
| 01003003 | Artificial Intelligence (AI) |
| 02007005 | Composite materials |
| 06 | BIOLOGICAL SCIENCES |
| 06001 | Medicine, Human Health |
| 07001 | Agriculture |

Market

| | |
|----------|---------------------------------------------------------------------|
| 02007 | Computer Software |
| 05 | MEDICAL/HEALTH RELATED |
| 05007002 | Pharmaceuticals/fine chemicals |
| 08001004 | Fibre-reinforced (plastic) composites |
| 09005 | Agriculture, Forestry, Fishing, Animal Husbandry & Related Products |

NACE

| | |
|----------|------------------------------------------------------------------------------|
| A | Agriculture, forestry and fishing |
| A.01.2.8 | Growing of spices, aromatic, drug and pharmaceutical crops |
| C.21 | Manufacture of basic pharmaceutical products and pharmaceutical preparations |
| E.38 | Waste collection, treatment and disposal activities; materials recovery |
| Q.86.2.1 | General medical practice activities |

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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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

University

Year Established

2006

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

The Turkish university is experienced in hosting international post-doctoral researchers and has successfully completed international research projects resulting in Patent applications.

Certification Standards

other

Languages Spoken

Turkish
English
Russian
Arabic
Spanish

Client Country

Turkey

Partner Sought

Type and Role of Partner Sought

Partners sought for research cooperation agreements are individuals with PhD degrees or 4 years of professional experience from academia, research organisations and industry.

Ref: RDTR20180809001

The partner will be responsible from preparation of the grant applications belonging to the applicant.

Type and Size of Partner Sought

University, Inventor, R&D Institution

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Marie Skłodowska-Curie Actions

Call title and identifier

Horizon 2020 Marie Skłodowska-Curie Actions Cofund program; CoCirculation2

Submission and evaluation scheme

All proposals that have fulfilled the eligibility criteria will be evaluated by a peer review system carried out by panels of independent experts. The Experts Database of TÜBİTAK and European Commission Expert Database will be used for the selection.

Coordinator Required

No

Deadline for EOI

27 Sep 2019

Deadline for Call

31 Oct 2019

Project Duration

1248 week(s)

Weblink to the Call

<http://cocirc2.org.tr/>

Project Title and Acronym

CoCirculation2

Attachments

University image1.jpg



University image2.jpg



University image3.JPG



University image4.JPG



University image5.JPG



Research & Development Request

H2020-DT-NMBP-03-2019: Companies and R&D centres related to (nano) coatings.

Summary

A Spanish technological centre is preparing an H2020-DT-NMBP-03-2019 proposal that aims to create services for designing and testing nano-enabled surfaces. The sought partners should be companies and R&D centres from different sectors interested in providing new functionalities to their products as well as qualified specialists in standardization and regulation.

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation Date | 17 September 2018 |
| Last Update | 26 September 2018 |
| Expiration Date | 30 November 2018 |
| Reference | RDES20180917001 |
| Public Link | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/00739eae-20b2-492c-beef-d432a30a88cb |

Details

Description

Industry and society have a growing demand on novel materials based on nanotechnologies for innovative surfaces with specific functionalities. The new technologies are subjected to other factors such as qualification, regulation, cost, compatibility and the need to be applicable around the world. In the most recent years it is obvious that nano-enabled surfaces can be applied in nearly every area.

The Spanish technological centre is a non-profit, private technological centre with large trajectory in international cooperation. The centre has coordinated 19 of the total 35 participated European projects from FP6 to Horizon 2020 including LIFE and ECO-Innovation programs. The main R&D fields where the centre develops its activities are nanotechnology, new materials and advanced-environment technologies.

The centre is preparing a project proposal to the topic NMBP-03-2019: Open Innovation Test Beds for nano-enabled surfaces and membranes. The project will build an innovative open access platform to offer to companies and technological centers, the capabilities, know-how, networks and services required for the development, testing, assessment, upscaling and market exploitation of nanotechnology-based surfaces. For this purpose, multifunctional nano-coatings based on different matrices (organic and inorganic) and active compounds based on nanoparticles will be designed, developed and tested on different substrates and sectors taking in account of the needs of different industry sectors and of the today's market.

The consortium of this project will be composed by around 17 partners including R&D centres

related to the coatings field and, companies from different sectors.

And some pending required partners are:

- Online quality control experts.
- Technologies on application of coatings experts (RTDs and SMEs)
- Qualified specialists in standardizations and regulation for the different properties (anticorrosion, abrasion resistance, mechanical resistance, etc.).
- Industrial partners interested in new functionalities (improved scratch and abrasion resistance , improved corrosion, super hardness, control reflectivity, self-cleaning, antimicrobial, etc.).

Deadlines:

Official deadline for the call: 22/01/2019

Deadline for expressions of interest: 30/11/2018

Anticipated duration of the project: 208 weeks

Stage of Development

Proposal under development

Keywords

Technology

| | |
|----------|------------------------------------------------|
| 02002002 | Coatings |
| 02003006 | Prototypes, trials and pilot schemes |
| 02007015 | Properties of Materials, Corrosion/Degradation |
| 02007024 | Nanomaterials |

Market

| | |
|----------|----------------------------------------------------------|
| 08001023 | Other chemicals and materials (not elsewhere classified) |
| 08006 | Industrial Services |

NACE

| | |
|----------|---------------------------------------------------------------------------------|
| C.20.3.0 | Manufacture of paints, varnishes and similar coatings, printing ink and mastics |
| M.71.2.0 | Technical testing and analysis |

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Nano- and Microtechnologies

Client

Type and Size of Organisation Behind the Profile

R&D Institution

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

- Type of partner sought:
RTDs, companies, Universities

- Specific area of activity of the partner:

- * Experts in on line quality control.
- * RTDs and SME with expertise in technologies of application of coatings.
- * Qualified specialists in standardizations and regulation for the different properties (anticorrosion, abrasion resistance, mechanical resistance, etc).
- * Industries interested in new functionalities (improved scratch and abrasion resistance , improved corrosion, super hardness, control reflectivity, self-cleaning, antimicrobial, etc..)

- Task to be performed:
Contribute in the development of the project tasks.

- EU / International project experience:
Appreciated, but it is not compulsory.

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

H2020

Call title and identifier

H2020-DT-NMBP-03-2019: Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

Coordinator Required

No

Deadline for EOI

30 Nov 2018

Deadline for Call

22 Jan 2019

Project Duration

204 week(s)

Weblink to the Call

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-nmbp-03-2019.html>

Attachments

Research & Development Request

Horizon 2020 MSCA-ITN-ETN European Training Networks: Pharma and biotechnological industrial partners sought for a MSCA-ITN-ETN proposal

Summary

A Hungarian research and technology organization (RTO) is looking for partners from pharma and biotechnological industry to join a H2020 MSCA-ITN-ETN European Training Networks proposal. The proposal will set out a training network including experts from both academic and private enterprises, addressing the various aspects of non-natural peptidic compounds.

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation Date | 06 September 2018 |
| Last Update | 12 September 2018 |
| Expiration Date | 30 November 2018 |
| Reference | RDHU20180906001 |
| Public Link | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/2b8b55ae-0a72-40c5-8e03-bd37d871dd22 |

Details

Description

The task of the Hungarian RTO is to explore new functional and structural materials and related chemical technologies in the fields of sustainable environment and sustainable health. In the second field, focus is on soft materials important in medical biology, drug carriers, biosensors, and processes taking place in them.

The synergy of their widespread expertise helps to work out interdisciplinary research issues. By answering basic research questions, their research projects are aiming at solving certain social – economic – environmental problems.

The outlined research field is closely related to research actively performed already by the participants of the constellation. Some of the supportive results are fully available via publications. The project proposal aims to deeper the complementary understanding in related areas as well as reach prototype molecular scaffolds ready for specific pharmaceutical-biotechnological developments.

The consortium would like to apply for H2020 MSCA-ITN-ETN call in January 2019 and they wish to find further partners.

They are looking for partners from the areas of expertise listed below:

Biotechnology
Bacterial test
Oncological test
Protein engineering
Peptide sequences
Trans-bilayer transportation
Pharmacological investigation

The optimal partner should provide complementary expertise in the outlined field, potentially in testing either pharmaceutical or biomedical applicability of the compounds developed.

Recruitment/fellowship duration: 3-36 months
Deadline for call: 15 January 2019
Deadline for EOI: 30 November 2018

Advantages and Innovations

The project will aim to reach, by design and investigation, peptidic compounds offering higher selectivity and higher affinity in peptide-protein or peptide-biomembrane interactions, improved metabolic stability, and slower clearance (via efflux).

Stage of Development

Proposal under development

Keywords

Technology

| | |
|----------|---------------------------------------|
| 05001002 | Computational Chemistry and Modelling |
| 05001004 | Organic Chemistry |
| 06002001 | Biochemistry / Biophysics |
| 06002010 | Toxicology |
| 06006004 | Biopolymers |

Market

| | |
|----------|-----------------------------------|
| 04005 | Biochemistry / Biophysics |
| 04011 | Molecular design |
| 04012 | Toxicology |
| 05002005 | Other medical imaging |
| 05003005 | Drug delivery and other equipment |

Network Contact

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

R&D Institution

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Hungarian
Swedish
German
Russian

Client Country

Hungary

Partner Sought

Type and Role of Partner Sought

To strengthen the consortium the RTO is looking for SMEs or large enterprises (LEs) from

Europe: biotechnological SMEs focusing on pharmacological investigation capable of performing diverse protein engineering tasks or LE from Europe (no restrictions apply): interested in development of peptide-based bioactive compounds.

Type and Size of Partner Sought

SME 11-50, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

MSCA-ITN-ETN

Submission and evaluation scheme

single-stage submission scheme

Coordinator Required

No

Deadline for EOI

30 Nov 2018

Deadline for Call

15 Jan 2019

Weblink to the Call

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2019.html>

Attachments

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 | 03 September 2018 |
| Expiration Date | 30 November 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

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 transmission, 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

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, Czech Republic, Denmark,
Estonia, Finland, France, Georgia, Germany, Greece, Hungary,
Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg,
Macedonia, The former Yugoslav Republic of, Malta, Moldova, Montenegro,
Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia,
Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom,

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.

Ref: RDFR20180219001

Coordinator Required

No

Deadline for EOI

30 Nov 2018

Deadline for Call

22 Jan 2019

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

Research & Development Request

H2020 CE-SFS-39-2019: Searching partners for different profiles on treatment technologies to convert digestate into a suitable fertilizer or soil amender

Summary

A Spanish research centre experienced in industrial environment is preparing a proposal for the topic "CE-SFS-39-2019: High-quality organic fertilizers from biogas digestate". The project aims to develop and validate a new process to convert digestate from biogas plants into different fertilizers, easing their integration in the market. They search agro-food actors and farmers, a technology provider, a research centre, end users and public administrations to participate with them in the project.

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation Date | 03 August 2018 |
| Last Update | 17 September 2018 |
| Expiration Date | 15 October 2018 |
| Reference | RDES20180803002 |
| Public Link | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/72eb2134-f7cc-46a9-b35c-868c2ec1525c |

Details

Description

A Spanish research centre, experienced in industrial environment over 20 years, specifically in wastewater and sludge treatments, and having both laboratory and semi-industrial pilots to test and find the best solution, is preparing a project proposal aimed to develop and validate a new process to convert digestate from biogas plants into different fertilizers. Another objective would be the policy inclusion and implementation to ease the integration of these new products in the market.

The R&D project is based on the procurement of fertilisers and energy from waste. This is done through biogas plants, which produces a high amount of a substance called digestate, which is currently considered also a waste and it is being spread in fields although this use does not imply any economic revenue and besides may be strictly controlled in the forthcoming years.

The composition of this raw material depends on the types of waste accepted at the biogas plants, it usually contains high moisture content and it is currently managed as a waste although its use is being strictly regulated in some countries.

The expertise of the Spanish centre covers biological treatments, chemical extraction, membranes, vacuum evaporation, termofilic aerobic digestion and fertilizers extraction from

sludge, and they have coordinated and participated in many European projects.

A Spanish company, whose activity is based in the construction and promotion of biogas plants as well as management of waste valorisation projects, is also involved in the proposal. They have a wide experience in running biogas plants set in different European countries.

They are searching for different partners to be involved in the proposal, with the following characteristics and project roles:

- Agro-food actors: to provide their point of view on the possibilities of fertilizer formulation, validation and market insertion of the product
- Farmers/Farmers associations to specify market needs, to share consumer needs and spread the information of the obtained products
- Technology provider: to provide technical equipment to the project, set up and run the pilot plant of digestate treatment
- Research centre: to propose waste input optimization to the biogas plant and possible inclusion of biological amendments to the digestate
- End user: a biogas plant
- Public administration: a City Hall in the municipality where the biogas plant is settled to promote and connect different stakeholders and final entities to the main provider of fertilizers based on digestate

- Official deadline for the call: JANUARY 2019
- Deadline for EoIs: 15 october 2018
- Anticipated duration of the project: 33 months

Stage of Development

Proposal under development

IPR Status

Secret Know-how

Keywords

Technology

| | |
|----------|----------------------------------------|
| 03002 | Process Plant Engineering |
| 03004001 | Agro chemicals |
| 04005011 | Bio-refineries for energy |
| 04006 | Biogas and anaerobic digestion (AD) |
| 10003001 | Biotreatment / Compost / Bioconversion |

Market

| | |
|----------|---------------------------------------------------------------------|
| 08006001 | Process control and logistics |
| 09005 | Agriculture, Forestry, Fishing, Animal Husbandry & Related Products |
| 09008004 | Other utilities and related firms |

NACE

| | |
|----------|-------------------------------------------------------|
| C.20.1.5 | Manufacture of fertilisers and nitrogen compounds |
| C.28.9.9 | Manufacture of other special-purpose machinery n.e.c. |

M.72.1.1

Research and experimental development on biotechnology

M.72.1.9

Other research and experimental development on natural sciences and engineering

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Pawel Zebrowski

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+48 91 449 43 64

Email

pzebrowski@zut.edu.pl

Open for EOI : **No**

Dissemination

Send to Sector Group

Materials

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

1984

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

Ref: RDES20180803002

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Agro-food actors: to provide their point of view on the possibilities of fertilizer formulation, validation and market insertion of the product
- Farmers/Farmers associations to specify market needs, to share consumer needs and spread the information of the obtained products
- Technology provider: to provide technical equipment to the project, set up and run the pilot plant of digestate treatment
- Research centre: to propose waste input optimization to the biogas plant and possible inclusion of biological amendments to the digestate
- End user: a biogas plant
- Public administration: a City Hall in the municipality where the biogas plant is settled to promote and connect different stakeholders and final entities to the main provider of fertilizers based on digestate

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

H2020

Call title and identifier

TOPIC : High-quality organic fertilizers from biogas digestate
Topic identifier: CE-SFS-39-2019

Submission and evaluation scheme

Innovation action

Anticipated Project Budget

5.000.000 €

Coordinator Required

No

Deadline for EOI

15 Oct 2018

Deadline for Call

23 Jan 2019

Project Duration

132 week(s)

Weblink to the Call

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sfs-39-2019.html>

Project Title and Acronym

TREND – TRansformiNg and valorizing biogas DigestatE into added value fertilizers

Attachments

Research & Development Request

UK London start-up seeks experts in UI/UX (User Interface/User Experience Design), AI (Artificial Intelligence) and blockchain for SME Instrument Phase 2 to develop a social media/communications, crypto trading and payments platform

Summary

UK start-up developing a decentralised social platform that allows users to turn their "social currency" (i.e., popularity, "Likes" etc) into actual, tradable cryptocurrency. This is achieved by aligning a decentralised social platform with blockchain and AI (Artificial Intelligence), merging into a single Web 3.0 platform. Partners with experience in UI/UX (User Interface/User Experience), AI and blockchain to integrate platforms are sought for an Horizon 2020 SME Instrument Phase 2 Application

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation Date | 30 July 2018 |
| Last Update | 12 September 2018 |
| Expiration Date | 30 November 2018 |
| Reference | RDUK20180627001 |
| Public Link | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/e30ff0f3-ff3e-42ba-aeda-250393abff1d |

Details

Description

There is no publicly accessible, mainstream platform that allows the public to easily access, pay and trade with cryptocurrency. With no public engagement, all technologies die or merely exist in ecosystem silos, of no wider use to the world than niche activities controlled by the elite. There are many crypto/blockchain and AI(Artificial Intelligence) technologies heading down this path.

The solution is to build a social platform that allows the public to engage with and hence actually influence the value of their personalised currency as part of a safe, fun and sociable environment, and as a result remove all resistance to wider adoption.

To do so, however, requires a fundamental rethink of Web 2.0 social media/communications platforms, which are hyper-centralised systems, if "true" blockchain, which is a decentralised system, is to be integrated with social media. The technical and conceptual disparity between

the two systems is why all decentralised social media platforms have failed thus far. Current “decentralised” social media platforms, fail at the first hurdle because increased security is achieved at the expense of network effects.

The UK start-up has solved this problem and built the core tech (in closed testing), which exponentially increases network effects in direct correlation with increased security. As a result of this tech, the start-up stands to disrupt many centralised Web 2.0 industries and models, including blockchain/crypto trading and payments (\$1 trillion annual market), the international remittance market (\$900 billion annually), big data applications, including the CRM (customer relationship management) market (\$27 billion annually) and communications/social media (ad spend \$65 billion annually).

As the fundamental tech is in closed testing, the start-up is looking for research and development partners with expertise in UI/UX (User Interface/User Experience Design), AI (Artificial Intelligence) and blockchain to integrate these systems with their core tech. These can be both industrial partners as well as academic or research institutes.

The UK start-up is looking to make a project proposal for a Horizon 2020 SME Instrument Phase 2 grant to finance the system integration phase over a period of 18 months . Partnerships could then be continued into the MVP (Minimum Viable Product) phase and ICO (Initial Coin Offering) rollout.

EOI deadline 30th November 2018 with submission deadline 9th January 2019.

Stage of Development

Concept stage

Keywords

Technology

| | |
|----------|-----------------------------------------------------------|
| 01003003 | Artificial Intelligence (AI) |
| 01003013 | Information Technology/Informatics |
| 01003014 | Internet Technologies/Communication (Wireless, Bluetooth) |
| 11001 | Socio-economic models, economic aspects |
| 11003 | Information and media, society |

Market

| | |
|----------|-------------------------------------------------|
| 01006004 | Communications services |
| 01006005 | Other communications (not elsewhere classified) |

NACE

| | |
|----------|-------------------------------------|
| J.61.9.0 | Other telecommunications activities |
|----------|-------------------------------------|

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Pawel Zebrowski

Phone Number

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Email

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Russian
Polish

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The start-up is looking for partners with expertise in UI/UX (User Interface/User Experience Design), AI (Artificial Intelligence) and blockchain to integrate these systems with their core tech. These can be both industrial partners as well as academic or research institutes, or commercial enterprises (such as offline and online retailers, media and other communications companies) that are keen to get in early on a system designed to promote highly-targeted, secure and democratic B2C and C2C VRM (vendor relationship management) and CRM (customer relationship management) interactions in a decentralised environment of safety and trust. Partnerships could then be continued into the MVP (Minimum Viable Product) phase and ICO (Initial Coin Offering) rollout.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Industrial leadership

Call title and identifier

H2020 SME Instrument Phase 2

Submission and evaluation scheme

Multiple cut-off dates for submission, single stage submission scheme.

Coordinator Required

No

Deadline for EOI

30 Nov 2018

Deadline for Call

09 Jan 2019

Attachments