

Research & Development Request

H2020 Traceability system in micro agro-food companies

Summary

An Italian company, with professional experience in innovative traceability systems applied to micro and small companies, has developed a very flexible traceability system suitable to those micro and small companies dealing with food processing in agri-food sector. The Italian company is interested in finding early adopters (companies), and associations or clusters of companies interested in the novel customized system for research agreements in SME instrument calls of Horizon 2020.

Creation Date	07 July 2017
Last Update	07 July 2017
Expiration Date	07 July 2018
Reference	RDIT20170704001

Details

Description

Small enterprises in the agri-food sector need support tools in their everyday work that will help them apply internal production standards. Support from tools and softwares would be positive for many reasons: data could be retrieved at any time and statistical evaluations will be possible to understand what is the influence of certain factors on the production or how different are the raw materials from year to year, to manage waste and optimize the work. An Italian company with experience in combining informatics solutions to agro-food sector has developed a solution that could be easily applied to those transformation processes.

The system developed is a very simple traceability software, adaptable in order to allow and easily "track and check" any production process. The system was tested already in production processes related to wine, beer, spirits, dairy products, chocolate, honey.

Advantages and Innovations

Flexible solution applicable to micro and small companies and in touristic sector.

Technical Specification or Expertise Sought

The company is interested in finding similar companies (micro and small companies), interested in further exploiting and testing the software, through research cooperation agreements, technical agreements aimed at customize the product.

Stage of Development

Available for demonstration

Comments Regarding Stage of Development

The system was tested already in production processes related to wine, beer, spirits, dairy products, chocolate, honey.

Keywords

Technology

01003006	Computer Software
07001	Agriculture
08001	Technologies for the food industry
08002	Food quality and safety
08002004	Traceability of food

Market

05008002	Food and feed ingredients
05009001	Food & feed ingredients
07003	Food and Beverages

NACE

M	Professional, scientific and technical activities
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Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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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

2014

Already Engaged in Trans-National Cooperation

Yes

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The company is interested in finding micro and small agro-food companies (or clusters or associations of companies), dealing with food processing especially related to wine, beer, spirits, chocolate products, interested in being involved, either as partners or as stakeholders, in a Horizon 2020 SME instrument call.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

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Call title and identifier

SME instrument - H2020, Stimulating the innovation potential of SMEs for sustainable and competitive agriculture, forestry, agri-food and bio-based sectors

Attachments

Research & Development Request

H2020-MSCA-ITN: Looking for a gene-editing company interested in participating in a project focusing on mobile elements

Summary

A Spanish SME specialised in bioinformatics and computational biology looks for a gene-editing European company wishing to join a research consortium who will apply for the MSCA-ITN-ETN-2018 with a project aimed at studying mobile genetic elements (Life Sciences, LIF panel). They are looking for a company to participate as a beneficiary, and thus to recruit and host an Early-Stage Researcher who will develop a PhD thesis.

Creation Date	27 June 2017
Last Update	04 July 2017
Expiration Date	04 July 2018
Reference	RDES20170627001

Details

Description

The research project will investigate mobile elements under the assumption that transposons, viruses and repeats are all (in one way or another) mobile elements or at least dynamic nucleotide elements, either DNA (DeoxyriboNucleicAcid) or RNA (RiboNucleicAcid). Mobile elements question the genome sequence stability and provide the basis for species adaptation and evolution. They are also of great importance in genetic engineering, since they are powerful tools for genome editing, gene regulation and horizontal gene transfer. They are for instance essential for some popular and well-timed topics such as antibiotic resistance, genetic mutations causing cancer and other diseases, therefore anticipating a potential treatment for these prevalent diseases. Despite their roles, the understanding of mobile elements is still in a very early stage, probably in its infancy.

The research consortium is already composed of a multidisciplinary group of academic and non-academic institutions (9 for the moment) specialised in the research topics of interest, with one of the academic partners studying casposons with the CRISPR genome editing technology angle, which can be programmed to specifically target particular stretches of genetic code and to edit DNA at precise locations, thus allowing researchers to permanently modify genes in living cells and organisms (e.g. to treat genetic diseases).

The Spanish company seeks for a European (EU member state or associated country) company specialised in gene editing, wishing to develop a sub-project within the framework of a European Training Network investigating mobile elements. The gene-editing company will host and supervise an Early-Stage Researcher who will develop a PhD thesis, and will therefore receive funding from the EC and claim for costs (researcher and institutional costs).

Deadline for Eols: 9th-August-2017

Stage of Development

Proposal under development

IPR Status

Other

Keywords

Technology

06001002	Clinical Research, Trials
06001009	Gene - DNA Therapy
06001012	Medical Research
06001013	Medical Technology / Biomedical Engineering
06003002	Gene Expression, Proteome Research

Market

04001003	Medical genetic engineering applications
04008	Genetic Engineering
04015	Gene Expression, Proteome Research
04016	Population genetics
05007007	Other medical/health related (not elsewhere classified)

NACE

M.72.1.1	Research and experimental development on biotechnology
M.74.9.0	Other professional, scientific and technical activities n.e.c.
Q.86.9.0	Other human health activities

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2006

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
French
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Type of partner sought. European (EU member state or associated country) R&D company specialised in gene-editing.

Role of partner sought. Beneficiary in a H2020-MSCA-ITN, so to develop a research sub-project in the context of the main project by hosting and supervising an Early Stage Researcher who will develop a PhD at his premises.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

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Call title and identifier

MARIE SKŁODOWSKA-CURIE INNOVATIVE TRAINING NETWORKS (H2020-MSCA-ITN)

Attachments

Research & Development Request

H2020-FETOPEN-2016-2017: Looking for research partners for a project proposal on waste energy recovery upon liquid natural gas regasification

Summary

Portuguese research center hosted by the University, with expertise in cryogenics and thermodynamics engineering, aims to contribute to the increase of efficiency of liquid natural gas (LNG) regasification processes. Looking for industrial partners and research and development institutions interested in applying for H2020-FETOPEN funds allowing to develop and improve the engineering for energy recovery aiming at field testing and evaluation.

Creation Date	21 June 2017
Last Update	13 July 2017
Expiration Date	06 July 2018
Reference	RDPT20170621001

Details

Description

The aim of the project is to implement a pilot installation for further studies on the thermodynamic cycles with a cold source of 111K and a selection of fluids identified in a previous study so that it is possible to move to the stage of proof of concept where engineering challenges can be identified and tackled, and guidelines derived for later implementation at industrial plant scale.

An Industrial partner in the field of LNG regasification is sought as well as Industrial or R&D partners with know-how on cryogenic thermal engineering.

Deadline for the call : 27 september 2017

Deadline for EOIs : 31 august 2017

FET Open framework conditions: no maximum number of partners from at least 3 countries.

The foreseen project duration is 3 years.

Advantages and Innovations

Liquid natural gas is being regasified by heating it up with seawater, rejecting all the cold energy to the sea — This happens in all the 37 plants of Europe.

A simple rankin e-type cycle could be associated to a liquid natural gas regasification plant, working upon appropriate fluid, saving more than 3 MW of waste in a plant like the one in Sines. The authors of this thermodynamic analysis are keen to join a consortium for further development of the energy waste recovery in such plants.

Technical Specification or Expertise Sought

Ref: RDPT20170621001

Industrial partners and research and development institutions are sought in order to apply for funds in H2020-FETOPEN to develop and improve the engineering for energy recovery. Industrial partner with expertise in LNG regasification is sought as well as Industrial or R&D partners with know-how on cryogenic thermal engineering. Partners shall have previous experience in developing pilot-scale plants, their own established network of equipment suppliers, and technical staff to implement modifications and servicing.

Stage of Development

Concept stage

Comments Regarding Stage of Development

So far, the research center had modeled the thermodynamics of the actual situation of the regasification plants and performed optimizations on the cycles and fluids to be implemented.

Keywords

Technology

04001001 Heat storage

Market

06008 Energy Storage

NACE

P.85.4.2 Tertiary education

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

University

Year Established

1977

Turnover

50 - 100M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
French
Portuguese

Client Country

Portugal

Partner Sought

Type and Role of Partner Sought

Industry / research and development institution / entreprise.
The partner is expected to develop, or assist in the development, of a pilot-scale plant, bringing to the project its know-how, and desirably their established network of equipment suppliers, and technical staff to implement modifications and servicing on the pilot plant.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

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Call title and identifier

FET Open framework

Attachments
