

Research & Development Request

PHC-27-2015 Self-management of health and disease and patient empowerment supported by ICT

Summary

A Polish SME developed the IT solution assistive technology platform, designed to gather information it could be used in human health issues. The company is interested in submitting a project under the call PHC-27-2015. The SME is seeking for partners providing services to healthcare system and is willing to exploit the system as well as research institutes/enterprises which will examine the difficulties that healthcare system models face

Creation Date 11 June 2014
Last Update 16 June 2014
Reference RDPL20140606001

Details

Description

The objective of the project is the creation of a virtual platform, based on the knowledge of the human health allowing users to check data and information that will contain specific human health issues. The platform provide to empower citizens to manage their own health and disease through an electronic platform that will provide information about their current health condition. The solution combines multiple sensors information and augmented reality information, which is necessary to give users a better scenario situational awareness and to address the actual and future health challenge. The company is seeking for partners providing services to integrated care models and is willing to exploit the system as well as research institutes/enterprises which will examine the difficulties that integrated care models face The project will be submitted to Self-management of health and disease and patient empowerment supported by ICT Partners with experience in ICT solutions for integrated care. A coordinator is also needed.

Stage of Development

Concept stage

IPR Status

Secret Know-how

Keywords

Technology

001002006 Computer Software

Market

002007002 Database and file management

002007007 Applications software

002007012 Medical/health

NACE

J.62.0.9 Other information technology and computer service activities

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Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Client Country

Poland

Partner Sought

Type and Role of Partner Sought

The Polish company is looking for any type of partners, but especially SMEs, R&D Institutions and/or Universities being capable of developing the following tasks: - actively involved in the research activities of the project - contribute to the project with their specific expertise on specific issues such as technological transfer, standardization rules. Preferably experience in international projects.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

EUREKA: Development of dental bio-implants possessing antimicrobial, osseointegration and angiogenic effects with controlled drug release

Summary

A Turkish University, experienced in EU funding programmes, is looking for partners for a Eureka project to develop new generation dental bio-implants that are biocompatible, bio-selective while simultaneously highly resistant to infection. Companies and research institutions are sought for taking different roles under the project, specifically for carrying out in-vivo tests and dental implant production.

Creation Date 12 June 2014
Last Update 16 June 2014
Reference RDTR20140612001

Details

Description

Titanium (Ti)-based implants are the most preferred dental prosthesis and they are also known as synthetic tooth roots. After implantation to the patient's jawbone, they fuse to the jaw bone replacing the natural teeth. The dental implant market is growing very fast with 80,000 implants were implemented in 2008, which rose to 250,000 units in 2011 only in Turkey. Although titanium implants are applied successfully most of the time, bone-to-implant attachment problems tend to occur after some operations in the early period of healing (fibrous-union and infection), which may lead to loss of the implant. Another important issue of implantation is the long waiting period for the bone-implant attachment after the surgery. In addition, titanium implants do not have periodontal tissues like teeth, so they have low resistance against external influences in the mouth. Eliminating these inefficiencies is the basis of research for titanium-based implants in recent years. In order to provide optimum and long-term resistant bone-implant connection, the main goal is to create the appropriate surface on the titanium, which will act like the optimal interface between the titanium surface and the respective tissue. While provoking the rapid migration of bone cells and producing extracellular matrix, the production of bio-surfaces that perform pathogen leak-proof interconnection with bone and soft tissue is required in the long-term. The proposed project has the distinction of being the first project that aims to develop biocompatible, osteointegrated and infection resistant triple-effect drug release bio-implant by applying physical and biological strategies. Within the scope of the proposed project, new generation and triple-effect controlled drug release Ti-based bio-implants will be developed via use of nano-technology. Another goal of the project is to investigate the potential for market launch via pre-clinical studies. Thus, a multi-disciplinary project team is needed to establish the development and production of dental bio-implants. Project Details: The anticipated project duration is 3 years with the approximate budget of 2,5 million EUR. The deadline for EoI is 01 September 2014.

Advantages and Innovations

The most innovative part of the project is to develop biocompatible, osteointegrated and bio-selective (provides selective local bone/tissue integration) dental bio-implants, which are highly resistant to infection and yet still cost effective through application of the physical and biological strategies. The success in osteointegration is very important in terms of both economic gain and the patient's health. It is also suggested that the technical know-how that will be developed under this project will have the potential application in different applications, such as orthopedic implants.

Technical Specification or Expertise Sought

The sought partners: * Research Institution with abilities to conduct in vivo animal testing * Industrial SME/Company with experience on dental implant production The interested parties must meet EUREKA eligibility/funding criterias in their own countries. Please consult with your local EEN representative about your eligibility prior to your EoI.

Stage of Development

Proposal under development

IPR Status

Other

Comment Regarding IPR status

Background and foreground IP rights will be negotiated together with access rights during structuring of the Consortium.

Keywords

Technology

| | |
|-----------|---|
| 006001005 | Dentistry / Odontology, Stomatology |
| 006001013 | Medical Research |
| 006001014 | Medical Technology / Biomedical Engineering |
| 006001026 | Medical Biomaterials |
| 006002001 | Biochemistry / Biophysics |

Market

| | |
|-----------|--|
| 002007012 | Medical/health |
| 004007 | Micro- and Nanotechnology related to Biological sciences |
| 005002006 | Surgical implants |
| 005006016 | Dentistry / Odontology, Stomatology |
| 005007004 | Medical instruments |

NACE

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|----------|--------------------|
| P.85.4.2 | Tertiary education |
|----------|--------------------|

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Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

Turkish

English

Client Country

Turkey

Partner Sought

Type and Role of Partner Sought

A research organization: who can test the developed dental implants on animals (pigs/goats) and who can obtain the necessary certifications. SMEs or big companies who produce dental implants and interested in producing and marketing the developed implants commercially. Please check your national EUREKA funding requirements priorly.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-Water-1-2015. Sustainable and innovative solutions based on low cost biological processes for complex industrial wastewaters

Summary

A Spanish University is willing to submit a H2020-WATER-1-2015 proposal project, which they will coordinate. The project aims to promote innovative solutions for the challenge of water management, in particular to minimise the use of fresh water in the industrial processes. Therefore, partners expertise in water polishing/desinfection for industrial re-use and environmental monitoring of priority substances are being sought.

| | |
|----------------------|-----------------|
| Creation Date | 16 June 2014 |
| Last Update | 17 June 2014 |
| Reference | RDES20140610001 |

Details

Description

Several industrial wastewaters contain both, high concentrations of nutrients and recalcitrant/toxic organic compounds. The treatment of these effluents is not completely solved, given that the solutions mostly adopted by the industry are expensive physic-chemical treatments which do not remove completely the mixture of complex non-biodegradable contaminants and nutrients. Moreover, the use of this kind of treatments hinders the possible recovery of resources. The proposal aims to demonstrate at pilot scale and at long-term, the applicability and environmental and economic sustainability of advanced biological solutions coupled to water polishing/disinfection for enabling full water reuse and for making possible the recovery of resources from biological treatments. The advanced biological technologies that are intended to demonstrate are the membrane bioreactors (MBR), the two phase partitioning bioreactors (TPPB) and the granular aerobic bioreactors (GABR). The following key objectives have been defined within the project proposal: (1) to perform preliminary characterization tests of several wastewaters provided by various end-users to define design constraints and needs in each country (Bottom -up approach); (2) to design and to construct the prototypes of MBR, TPPB and GABR coupled to a water polishing/disinfection step (3) to have three operative and fully functional prototypes; (4) to demonstrate that advanced biological treatments are able to deal with real wastewaters with simultaneous degradation of nitrogen and biorecalcitrant compounds; (6) to get the full performance of running prototypes in order to establish economic and environmental cost; (7) To demonstrate the technical feasibility and to determine the problems associate with resource recovery from industrial wastewater at pilot scale; (8) To determine the social, economic and environmental impacts for the implementation of the proposed technologies (business plan) and (9) To implement an effective method for making the dissemination and the approach to the end-users and stakeholders market. The project wants to promote innovative solutions for the challenge of industrial water management, in particular it

aims to minimise the use of fresh water in the process by implementing closed water cycles, reducing the environmental impact of effluents and, recovering, if possible, of resources from wastewater. The project will develop, test and disseminate innovative solutions for processing of industrial wastewater based on a modular scheme of advanced biological processes plus water polishing/disinfection. The idea of the modular approach is to make possible the adaptation of the wastewater processing sequence to the particular needs of the end-user of the technology. Therefore, the project pursues the integration of technological, organisational, financial, ICT and management approaches to strengthen standardisation in the industrial wastewater sector. Below are mentioned the target groups for the project. Managers of the chemical, petrochemical, pharmaceutical, plastic, paints, pulp and paper, steel manufacturing, resin producing, coal-gasification and agro-chemical manufacturing industries including manufacturing and stand-alone facilities that will be responsible for issuing/implementing environmental protection measures in their own industrial units. Authorities, in order to understand the nature and complexity of matters dealing with the control/inspection of industrial wastewaters. Decision makers/planners, due to set up the framework of their policies and legislative requirements towards industrial activities on the basis of a solid knowledge of the various aspects of industrial pollution control. Deadline for reception of Expressions of Interest: 1st September 2014.

Stage of Development

Proposal under development

Keywords

Technology

| | |
|-----------|----------------------------|
| 010004005 | Industrial Water Treatment |
| 010004011 | Wastewater Recycling |
| 010004013 | Water Resources Management |

Market

| | |
|-----------|--|
| 008004003 | Water treatment equipment and waste disposal systems |
|-----------|--|

NACE

| | |
|----------|---|
| E.38.2.1 | Treatment and disposal of non-hazardous waste |
|----------|---|

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Dissemination

Send to Sector Group

Environment

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Research partners from outside Spain including SME, applied R&D institutes, Universities or Research Centres with sound expertise in: -Water polishing/disinfection for industrial re-use: Reverse osmosis, water conditioning and membrane filtration. - Environmental monitoring of priority substances. The main tasks for SME and Industries will be Pilot construction for TPPB and MBR Technologies and Testing Pilot Implementation. Manufacturer associations (pesticides manufacturers, pharmaceutical, cosmetics and chemical industries, etc.). Enterprises Associations of the different sectors of interest. Governmental entities / Public administration or associations will be expected to determine the social, economic and environmental impacts for implementation of the proposed technologies.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-EE-2015-3-Market Uptake - Topic EE-14-2015: Removing market barriers to the uptake of efficient heating and cooling solutions - Heating networks for a low carbon future

Summary

A UK university research centre is looking for partners for a H2020 call to assess the various constraints that hinder the use, development and extension of district heating schemes (heating networks). The partner should be able to undertake research that explores the interaction between technical systems, society and the economy. They are looking for experienced research partners that also have contacts with end users and providers.

Creation Date 23 May 2014
Last Update 27 May 2014
Reference RDUK20140416002

Details

Description

The proposal has been elaborated to meet a specific aspect of the Horizon 2020 programme, as stated in H2020-EE-2015-3-Market Uptake - Topic EE-14-2015: Removing market barriers to the uptake of efficient heating and cooling solutions: The relevant EU descriptor states: "Action is needed to remove non-technological (including legislation) barriers to exploit the full potential of efficient heating and cooling solutions. This involves integrated planning and integration of heating/cooling into the territorial context; active participation of local administrations; adaptation and compatibility/connectivity with low energy building standards; inclusion of heating/cooling in building renovation strategies; and empowerment and involvement of consumers through innovative metering, billing and complaint handling processes." It goes on to identify district heating as a priority for action and under this heading urges researchers to "develop good practice, licensing criteria, efficiency benchmarks and consumer protection codes to improve the transparency of the market and increase consumer trust" The university research centre wishes either to participate in or to lead work under the above heading. The centre has extensive and on-going experience of research in this field, derived from projects financed by the UK Economic and Social Research Council (ESRC) and by the UK Department of Energy and Climate Change. Their research covers all aspects of the EU descriptor, including both the financing and planning of heating networks, their management and issues of empowerment and consumer satisfaction. They are eager to learn from the experience of district heating in other European countries, for example in eastern Europe and the Nordic countries. They also believe that, with partners, they can contribute to debates and policy innovations at a European level. The anticipated outputs would comprise a workable model of viability, a statement of the physical characteristics of viable investments and a guide to good practice in dealing with

consumers. The provision of heating networks involves relatively stable technologies, but where the main obstacles to expansion are organisational, social and financial. Therefore, they are looking for partners with experience in undertaken relevant research and to involve and nominate local end users including Local Authorities and housing providers. Additionally, the partner should also have specific knowledge of the issues involved in mainstreaming innovative technology- for example issues relating to consumer preferences, the availability of finance and the impact of public policy.

Technical Specification or Expertise Sought

The Horizon 2020 reference is H2020-EE-2015-3-Market Uptake - Topic EE-14-2015: Removing market barriers to the uptake of efficient heating and cooling solutions. With a clear idea of how to undertake the research, the research centre aims to compare the situation in England with countries where district heating networks have been used more frequently. They would envisage: A) a brief history of the development of district heating networks in each country, of their level of provision, their legal context and of current government policy: B) a review of the literature on market and policy constraints in innovative low carbon technologies and whether they apply to heat networks C) a series of two case studies in the relevant countries. - a statement of conclusions and recommendations at the level of each country and at a European level. The funding level has not been fixed. However the absence of technological innovation in the proposal means that costs will mostly comprise staffing and travel. The sums will not be exorbitant. We would work on the assumption of the EU paying the full costs, together with reasonable on-costs, up to 40% of staffing. The team is prepared to lead the bid, if need be. However, they would also be happy if another reputable research centre or organisation took the lead. The staff involved in the proposal has to acknowledge their lack of experience in leading previous European research projects. They are looking either for a well-established university research centre or consultancy, almost certainly in northern or eastern Europe. The partners must have good contacts with the providers and other relevant institutional actors. The preferred research method, based on previous experience of comparative Anglo-French studies, is for researchers in the foreign country to accompany researchers in the host country in case study work. The research centre would invite a member of staff from each of the participating countries to accompany them on their case study interviews and they would expect the same in the other countries. Once stages A and B are completed as above, with the appropriate joint meetings, much of the work will be concerned with agreeing the details of the case studies and actually undertaking them. The case studies would be undertaken with practice partners in a way that would directly involve the private or possibly the non-for-profit sector.

Stage of Development

Already on the market

Keywords

Technology

| | |
|-----------|---|
| 004005007 | Solid biomass |
| 004005009 | Waste incineration |
| 004008 | Energy efficiency |
| 010002015 | Clean Production / Green Technologies |
| 011001 | Socio-economic development models, economic aspects |

Market

| | |
|-----------|------------------|
| 006005008 | District heating |
|-----------|------------------|

006008001

Metering and monitoring

NACE

P.85.4.2

Tertiary education

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Dissemination

Restrict Dissemination to Specific Countries

Austria, Belgium, CzechRepublic, Denmark, Estonia, Finland,
Germany, Hungary, Latvia, Lithuania, Netherlands, Norway, Poland,
Slovakia, Sweden, Switzerland,

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English

French

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: University centre or research agency, preferably a large research centre or agency with a history of varied projects with experience of undertaking research that mixes technology with economic and social factors. - Specific area of activity of the partner: Specialist in low carbon/ low energy innovation, but with specific knowledge of social and economic factors - Task to be performed by the partner sought: Interpretation of relevant data; organiser of case study work: preparation of drafts and reports in English

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-MSCA- Individual Fellowships -2014: Improving Reaction Dynamics using ReactIR Spectroscopy

Summary

A group of academics from a UK University is looking for industrial partners interested in using in situ infrared spectroscopy to monitor organic chemical reactions. The main focus is on promoting the use of the ReactIR technology especially for monitoring the formation and reaction of organometallics. The aim of the partnership is to submit a proposal for a Marie Skłodowska-Curie action, Individual Fellowships (H2020-MSCA-IF-2014).

| | |
|----------------------|-----------------|
| Creation Date | 27 May 2014 |
| Last Update | 11 June 2014 |
| Reference | RDUK20140527001 |

Details

Description

The ability to follow the progress of chemical reactions is paramount in the chemical and industries. A relatively new technique that avoids taking regular samples is to have an infrared probe inserted into the reaction vessel that allows in situ monitoring in real time throughout the process. This has many advantages and can allow the progress of reactions to be followed even if they involve air-sensitive or moisture-sensitive reagents. With an extensive experience in following changes to Infrared (IR) stretching frequencies of functional groups during deprotonation and reaction of the resulting organometallic species, a group of academics from a Yorkshire University is preparing a proposal for a Marie Skłodowska-Curie action, Individual Fellowships (H2020-MSCA-IF-2014). The objective is to promote the use of the ReactIR technology especially for monitoring the formation and reaction of organometallics. The use of ReactIR technology has distinct advantages in an industrial setting, where it can be much preferable to follow a process by a non-invasive method. This avoids opening a reaction vessel and allows real-time monitoring of reactions. The innovation lies in the application of the technique to organometallic processes in industry. There are many palladium-catalysed reactions in synthetic chemistry but much less use of main group organometallics. The ability to follow reactions in situ will make it easier to use such organometallics (organolithiums, organomagnesiums, etc) and this will expand the repertoire of processes available in an industrial environment. The University is looking for partners for a Marie Skłodowska-Curie action Individual Fellowships (H2020-MSCA-IF-2014) to be submitted in September 2014. EoI deadline: 31/08/2014

Technical Specification or Expertise Sought

The group of academics are looking for industrial companies, particularly pharmaceutical, agrochemical, or fine chemical companies who are interested in using in situ IR spectroscopy to follow their organic chemical transformations, particularly organometallic processes. Perhaps the most relevant would be companies who would benefit from training their personnel in this

technique. The instrument manufacturers have expressed willingness to offer training and expertise for members of the network; a combined group of active researchers in this area would allow sharing of knowledge and skills of mutual benefit.

Stage of Development

Proposal under development

Keywords

Technology

| | |
|-----------|----------------------|
| 003004001 | Agro chemicals |
| 003004002 | Anorganic Substances |
| 003004006 | Organic Substances |
| 003004007 | Pharmaceutics |

Market

| | |
|-----------|--|
| 008002002 | Industrial measurement and sensing equipment |
| 008003007 | Other industrial equipment and machinery |

NACE

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|----------|---|
| C.20.5.9 | Manufacture of other chemical products n.e.c. |
|----------|---|

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Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: industrial companies - Specific area of activity of the partner: pharmaceutical, agrochemical, or fine chemical companies - Task to be performed by the partner sought: using in situ IR spectroscopy to follow their organic chemical transformations, particularly organometallic processes.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-MSCA- Innovative Training Networks -2015 : Improving Reaction Dynamics using ReactIR Spectroscopy

Summary

A group of academics from a UK University is looking for industrial partners interested in using in situ infrared spectroscopy to monitor organic chemical reactions. The main focus is on promoting the use of the ReactIR technology especially for monitoring the formation and reaction of organometallics. The aim of the partnership is to submit a proposal for a Marie Skłodowska-Curie action Innovative Training Networks (H2020-MSCA-ITN-2015).

| | |
|----------------------|-----------------|
| Creation Date | 27 May 2014 |
| Last Update | 10 June 2014 |
| Reference | RDUK20140527002 |

Details

Description

The ability to follow the progress of chemical reactions is paramount in the chemical and industries. A relatively new technique that avoids taking regular samples is to have an infrared probe inserted into the reaction vessel that allows in situ monitoring in real time throughout the process. This has many advantages and can allow the progress of reactions to be followed even if they involve air-sensitive or moisture-sensitive reagents. With an extensive experience in following changes to Infrared (IR) stretching frequencies of functional groups during deprotonation and reaction of the resulting organometallic species, a group of academics from a Yorkshire University is preparing a proposal for a Marie Skłodowska-Curie action Innovative Training Networks (H2020-MSCA-ITN-2015). The objective is to promote the use of the ReactIR technology especially for monitoring the formation and reaction of organometallics. The use of ReactIR technology has distinct advantages in an industrial setting, where it can be much preferable to follow a process by a non-invasive method. This avoids opening a reaction vessel and allows real-time monitoring of reactions. The innovation lies in the application of the technique to organometallic processes in industry. There are many palladium-catalysed reactions in synthetic chemistry but much less use of main group organometallics. The ability to follow reactions in situ will make it easier to use such organometallics (organolithiums, organomagnesiums, etc) and this will expand the repertoire of processes available in an industrial environment. The University is looking for partners for a Marie Skłodowska-Curie action Innovative Training Networks (H2020-MSCA-ITN-2015) to be submitted in January 2015.

Technical Specification or Expertise Sought

The group of academics are looking for industrial companies, particularly pharmaceutical, agrochemical, or fine chemical companies who are interested in using in situ IR spectroscopy to

follow their organic chemical transformations, particularly organometallic processes. Perhaps the most relevant would be companies who would benefit from training their personnel in this technique. The instrument manufacturers have expressed willingness to offer training and expertise for members of the network; a combined group of active researchers in this area would allow sharing of knowledge and skills of mutual benefit.

Stage of Development

Proposal under development

Keywords

Technology

| | |
|-----------|---------------------|
| 003004001 | Agro chemicals |
| 003004006 | Organic Substances |
| 003004007 | Pharmaceutics |
| 005002003 | Inorganic Chemistry |
| 005002004 | Organic Chemistry |

Market

| | |
|-----------|--|
| 008002002 | Industrial measurement and sensing equipment |
| 008002003 | Process control equipment and systems |
| 008003007 | Other industrial equipment and machinery |

NACE

| | |
|----------|---|
| C.20.2.0 | Manufacture of pesticides and other agrochemical products |
| C.20.5.9 | Manufacture of other chemical products n.e.c. |

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Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: industrial companies - Specific area of activity of the partner: pharmaceutical, agrochemical, or fine chemical companies - Task to be performed by the partner sought: using in situ IR spectroscopy to follow their organic chemical transformations, particularly organometallic processes.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Partner search H2020-SFS-2015-2: Sustainable Food Security. Looking for experts in metabolomics and nanotechnology, livestock farmers (SMEs) and certifying companies

Summary

A Spanish University research group is coordinating a proposal focused on animal welfare under the call H2020-SFS-2015-2. They are seeking for experts in metabolomics and nanotechnology, as well as SMEs working on extensive livestock farming to develop new methods of assessing and improving animal welfare.

| | |
|----------------------|-----------------|
| Creation Date | 28 April 2014 |
| Last Update | 06 June 2014 |
| Reference | RDES20140428001 |

Details

Description

According to a consumer survey carried out in the UE, animal welfare is a significant issue for 64% of the population (COM (2012) 6 final/2); however this factor does not always affect consumers' choice of one product over another. The consumer is not always well informed about the methods of production and their impact on the animals welfare. This project aims to assess of diverse EU animal production systems, with special emphasis on aspects related to animal welfare. Moreover outcome-based animal welfare indicators will be established. 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. The intention is to certify beef quality in order to improve consumer market. The leader is interested in developing methods for assessment and improvement of the animal welfare used for commercial or scientific purposes. Call deadline: 24/02/2015 Eols deadline: 08/01/2015

Advantages and Innovations

Expected impact: • Increased level of Animal welfare • Improved overall sustainability and innovative capacity of the livestock sector. • Increased efficiency and profitability of animal agriculture

Stage of Development

Proposal under development

Keywords

Technology

007001002 Animal Production / Husbandry
007001009 Veterinary Medicine

Market

009005 Agriculture, Forestry, Fishing, Animal Husbandry and Related Products

NACE

A.01.4.1 Raising of dairy cattle
A.01.4.2 Raising of other cattle and buffaloes

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Dissemination

Send to Sector Group

Agrofood

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The coordinators of this proposal are looking for different type of partners: - 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

Type and Size of Partner Sought

SME 51-250

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-SFS-2014-2a: SME lead for work package in the field of 'System integration, Laboratory testing and Fabrication of integrated units for agricultural field trials'

Summary

A major university in the North West of England is urgently seeking a partner to support a second stage Horizon 2020 application. Selection to be made by 6th June for 26th June deadline. The partner, preferably an EU SME, will be responsible for the following pre-defined objectives (1) system integration and (2) building the integrated sensor units for use in agricultural field trials. The partner will have to build 150-200 integrated sensor units during the project.

Creation Date 20 May 2014
Last Update 02 June 2014
Reference RDUK20140520001

Details

Description

EU member states are committed to reducing the impact of agriculture on greenhouse gas emissions and vulnerable water bodies in ways that are consistent with increasing productivity. The MAXImising Crop Production and Minimising Environmental Impact of Nitrogen in Agriculture (MAXIMEINA) project will help to realize this pan-European ambition by developing and deploying 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. The sensors will be validated against data collected by time-consuming off-line techniques in field trials conducted during the project and benchmarked against data collected during existing programmes. The data generated will be used to develop improved decision support systems to improve the efficiency of external nutrient input while minimizing the environmental impact. It is expected that adoption of these systems by the scientific and farming communities will contribute to both environmental and economic benefits to the European Economic Area. Furthermore, the deployment of networks of soil ammonium and soil nitrate sensors (to account for spatial variability) buried in soil in field and laboratory experiments offers a unique opportunity to improve our understanding of the spatial heterogeneity of soil nitrogen cycling in real time. The consortium, originally comprised seven partners from four member states and one associated country and represents a world-class interdisciplinary research team with leading experts in the fields of sensors, nanowire fabrication, electrical measurements, CMOS technology, informatics, wireless integration and software combined with expertise in environmental monitoring of greenhouse gases from agriculture, management of nitrogen in the environment and Agronomy. The consortium is vertically integrated with: (i) a national research organisation with expertise in nanopatterning

and device fabrication; (ii) a university with expertise in photonic and gas sensors, e-Agri and communications technology; (iii) two European SMEs developing integrated nanotechnology-enabled sensor systems for health and safety; (iv) a higher education institute with extensive experience in determining the effects of agricultural land management on production, greenhouse gas emissions and pollutant losses to water, (v) a research and consultancy company with extensive experience in field experimentation and the development of national standard nutrient management advisory publications and decision support systems for farmers, growers and advisors, and (vi) a global multinational end-user that delivers solutions for sustainable agriculture and the environment through supply and management of fertilisers and crop nutrition programmes. Unfortunately one of the two European SMEs that was responsible for (1) system integration and (2) building the integrated sensor units for use in agricultural field trials has had to withdraw from the consortium. As a result the consortium is now seeking a new European company, preferably a SME, to take on the major project activities outlined below. The project will be delivered through a work programme comprising the following work packages (1) Project management; (2) Sensor development; (3) Sensor control and communications; (4) System integration, laboratory testing and fabrication of integrated units for field trials; (5) Field trials; (6) Decision support system development, (7) Implementation on farms and (8) Exploitation and dissemination The consortium will make a partner selection by 6th June for the deadline on 26th June.

Technical Specification or Expertise Sought

1.Integration of sensor sub-systems 2.Design and implementation of software control systems 3.Local data storage 4.Communication via GPRS / 3G / internet to provide remote monitoring and archiving of data 5.Fabricating between 150 and 200 integrated sensor units for use in at least 3 field trails over the duration of the project.

Stage of Development

Proposal under development

Keywords

Technology

| | |
|-----------|---|
| 001002024 | Environmental and Biometrics Sensors, Actuators |
| 001006002 | Electronic engineering |
| 007001001 | Agriculture Machinery / Technology |
| 008004 | Micro- and Nanotechnology related to agrofood |
| 009003 | Electronic measurement systems |

Market

| | |
|-----------|-------------------------------------|
| 001004002 | Data communication components |
| 001004006 | Other data communication components |
| 002007001 | Systems software |

NACE

| | |
|----------|--|
| A.01.6.1 | Support activities for crop production |
|----------|--|

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Client

Type and Size of Organisation Behind the Profile

University

Year Established

2004

Turnover

250 - 500M

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The new partner, ideally an SME, will be responsible for leading the work package 'System integration, Laboratory testing and Fabrication of integrated units for agricultural field trials'. In addition the new partner will contribute to other work packages including (1) Sensor development and (2) Sensor control and communication. As the lead for the work package - System integration, Laboratory testing and Fabrication the new partner will be responsible for:

- 1.The integration of ALL the sensor sub-systems
- 2.The design and implementation of the

software control system 3. Local data storage 4. Communication via GPRS / 3G / internet to provide remote monitoring and archiving of data 5. Fabricating between 150 and 200 integrated sensor units for use in at least 3 field trials over the duration of the project.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Barrier-removal energy efficiency initiatives for industry – BENEFIT (Call: EE-2014-3-MarketUptake)

Summary

The largest local entrepreneurial Association in Italy is preparing a proposal for the Horizon 2020 EE-2014-3-MarketUptake call. For the BENEFIT project they are looking for other similar European partners that can replicate in their territories similar actions aimed at reducing barriers for energy efficiency (EE) in the energy intensive industry sector. They are also searching for partners with expertise on technological innovation in the EE and standardization of procedures.

Creation Date 16 May 2014
Last Update 04 June 2014
Reference RDIT20140516001

Details

Description

An Italian Industrial Association is preparing a proposal for the Horizon 2020 EE-2014-3-MarketUptake call. BENEFIT Project (Barrier-removal Energy efficiency initiatives For Industry) intends to face two of the main barriers that SMEs encounter during a decisional process for improving energy efficiency. The first barrier has to do with the competencies, knowledge and training to motivate SMEs on the need to orientate decisions toward best practices and specific EE objectives. The second has economic nature and require the integration of best available technology and market value chain to reduce payback period of the investment on energy efficiency measures. BENEFIT Consortium will be strongly committed to identify viable procedures to motivate SMEs to implement energy efficiency by promoting a comprehensive set of tools such as: sector tailored and common scheme for EE energy audit based on available European and international standards; a financial scheme for EE measures implementation; a series of training and assistance tools kit able to disseminate knowledge on EE best practices. In a longer term-perspective, the strategic objective of the project is to make sustainable BENEFIT network and adds new partnerships in order to multiply the commitment of all different stakeholders to continue and disseminate the market uptake of EE business. The BENEFIT Consortium is actively involved in the achievement of the following expected results: - to develop a sector tailored and common scheme for Energy Efficiency web based energy audits complying with EU and National standards and EE directive; - to propose a common methodology for assessing SMEs energy efficiency that will guarantee bankability and easier appraisal process from public and private financial institutions and public authorities for a better access to financial schemes tailored for EE; - to remove administrative, procedural and financial barriers for EE projects and promote financial incentives and administrative tools in order to facilitate the implementation of EE measures; - to increase SMEs knowledge, competence and awareness on benefits deriving from energy audits and EE services; - to start implementation of an energy management system; - to provide appropriate e-learning trainings and academic class meeting to SMEs and financial institution in order to transfer knowledge about EE energy

auditing, standards and access to credit promoting and disseminating at large audience EE best practices, procedures and tools; - to involve selected SMEs participating in the e-learning program and class meeting in the development of their own EE project to be implemented with the third party financing scheme developed within the BENEFIT project; - to identify new emerging EE measures and technologies for SMEs. The key outputs that BENEFIT project intends to deliver are the following: -definition of tailored common schemes for energy stage gate audits and subsequent benchmarks; -numbers of (to be defined according to the country considered) energy audits for targeted energy intensive SMEs in different sectors such as, mechanical, chemical, rubber-plastic; -creation of a new financial supporting scheme validated by financial institutions (agreements, incentives, specific loans); -capacity building (e-learning, class meeting and face-to-face training) addressed to targeted SMEs (200 SMEs and 1000 people trained) on energy audits, energy management, energy efficiency actions and regulations, access to credit, usage of standards as management practices; -involvement of policymakers (at least one at regional level per country). The Association is looking for other similar European partners that can replicate on their territories similar actions aimed at reducing barriers for energy efficiency in the energy intensive industry sector and partners with expertise on technological innovation in the EE and standardization of procedures.

Stage of Development

Proposal under development

Comments Regarding Stage of Development

The proposal aims at applying methodologies already on the market in an integrated way by involving different stakeholders to reduce barriers for energy efficiency

Keywords

Technology

004008 Energy efficiency

Market

006009001 Other energy production

NACE

S.94.1.1 Activities of business and employers membership organisations

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Dissemination

Send to Sector Group

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

1945

Turnover

20 - 50M

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English
Italian

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The partners required must be able to replicate the project in their own country. In this respect the partners sought must be able to: 1.involve energy intensive SMEs belonging to specific sectors (such as: mechanical, rubber-plastic, chemical) to participate to the project work program; 2.receive support from local financial institutions in order to contribute to reduce financial barriers to EE measures; 3.obtain endorsement from local public institutions on the issue; 4.contribute to the project with their specific expertise on specific issues such as technological transfer, standardization rules.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020 call: Click'nGo: Save Energy, Decrease Emissions and Make Money, all with just a single click Call: New ICT-based solutions for energy efficiency EE-11-201

Summary

An Italian network of SMEs, public bodies and research centres is looking for two H2020 bid partners: a software developer for an open source based booking and payment system; and a software developer for an Android/iOS/Windows applet development for mobiles devices. The team proposes a solution to save energy and reduce emissions, allowing economic advantages. The selected partners will join the development team and benefit from the project exploitation.

Creation Date 17 May 2014
Last Update 27 May 2014
Reference RDIT20140515001

Details

Description

The project will be submitted in the frame of the H2020 work programme, reference EE-11-2014 (<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2063-ee-11-2014.html>). The project's domain is embedded in the "New ICT-based solutions for energy efficiency" with the goal to explore, in a time frame of 3 years, the feasibility of a new service for sustainable mobility. More specifically, the project aims at developing an Android/iOS application and a dedicated webserver, to collect information generated by energy consumers with the aim to stimulate and support citizens' behavioral changes, letting them socializing through an optimization of the local mobility needs, whilst ensuring energy savings and also contributing to the reduction of CO2 and pollutants emissions. The networks widely covers with its expertise most of the technological and applicative issues, strongly involving some municipalities, which are going to help the network itself to deploy a working model of the system.

Advantages and Innovations

The project introduces a new concept in the urban and sustainable mobility that improves state of the art services using mobile (smart) phones and an extended integration with sensor networks, providing doubtless advantages to the short radius and last mile mobility. Such a mobility concerns the 60% of European drivers and a conservative estimation of the potential impact of the project leads to about 55 MWh of energy saving with an equivalent reduction of about 16.000 Tons of CO2 every 100.000 inhabitants. These results will be achieved by stimulating the collaboration of the consumers and their participation in the market through the immediate provision of valuable economic benefits. Furthermore, the simplicity of use of the service, the higher degree of mobility comfort and security constitute additional and significant incentives to users' participation. The main differences with the (few) state of the art existing services are in the: -Extended introduction and use of different sensor networks for the provision

of a real time service, optimization and improvement of mobility and energy consumption
-Improved payment mechanism -Additional users' stimulation through the involvement of Public Administration and local authorities. The users will enjoy economic benefits, improved quality of mobility and environment through an easy-of-use service, without needs of specific know-how or expertise to adopt it.

Technical Specification or Expertise Sought

- Proposal development stage: under development
- Requested EU funding (approximately): 2 million Euro
- Percentage of EU funding: 100% (Research and Innovation Action)
- Consortium description: Politecnico di Bari (Administrative Management, development of HW sensors and specific Software, Inno tech srl (Technical management, Project Dissemination and Exploitation), Bari Municipality.
- The target partners should be preferably small enterprise with dynamic approach to the market and looking for integration with similar subjects in other European countries. A proved experience in the field of business oriented SW development is required for both partners. The vision of the proposer about the optimum consortium composition is:
 - Three Italian partners (1 SME + 1 Public Body + 1 University)
 - Two European SME partners from two different countries, possibly bringing one more Public Body (Municipality).

Stage of Development

Proposal under development

Comments Regarding Stage of Development

The present stage of development includes a detailed project abstract with a skeleton proposal that needs to be finalised.

IPR Status

Patent(s) applied for but not yet granted

Comment Regarding IPR status

The project vision and the basic concepts were developed by Inno Tech srls. The project Information will be disclosed under the signature of a specific NDA to protect the Intellectual Property. Inno Tech reserves the rights to patent the basic idea or part of it, The IPR and project commercial exploitation will be granted to the participating partners in their own countries by signing a specific exploitation agreement.

Keywords

Technology

| | |
|-----------|--|
| 001002014 | Internet Technologies/Communication (Wireless, Wi-Fi, Bluetooth) |
| 001002022 | Smart Appliances |
| 001002024 | Environmental and Biometrics Sensors, Actuators |
| 001003003 | Applications for Transport and Logistics |
| 001003011 | Operation Planning and Scheduler System |
| 002008006 | Traffic Engineering / Control Systems |

Market

| | |
|-----------|--|
| 001004008 | Other data communications |
| 002006006 | Databases and on-line information services |

002007022 Software services
006008001 Metering and monitoring
009003007 Other services (not elsewhere classified)

NACE

N.82.1.1 Combined office administrative service activities

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Client

Type and Size of Organisation Behind the Profile

University

Year Established

1980

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
Italian

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

1. Software developer for an Open source based booking and payment system; 2. Software developer for an Android/IOS/Windows applet development for mobiles devices.

Type and Size of Partner Sought

SME <10

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-EE-2014-13-RIA Topic: Technology for district heating and cooling

Summary

An Andalusian SME working on a project proposal focus on Technology for district heating and cooling is looking for a European homologate laboratory specialized in thermal and structural analysis of materials, including thermal conductivity, dilatometry, structural yield and stiffness analysis in high temperatures behavior: 400-900 °C, to be included as partner in the project proposal.

Creation Date 15 May 2014
Last Update 27 May 2014
Reference RDES20140515002

Details

Description

An Andalusian SME is working in a project proposal under H2020. The project idea presented intends to bring down heat distribution losses and integrate storage design, high performance, insulation materials, reduced operating temperatures, intelligent efficient system for fluid handling or intelligent metering, control and grid optimisations strategies, including from analysis smart meter data, consumer interaction and behaviour. The project proposal has the following research objectives: *To demonstrate, document and endorse scientifically and technically a fully operational low power parabolic trough power plant with concrete storage with the ability to operate 24 hours. *To demonstrate and document scientifically and technically the viability of creating structures with thermal concrete in civil and industrial buildings, both for thermal storage of waste energy and structural/thermal isolating. *To improve the environmental impact of thermal concretes, studying the viability of employing mineral wastes or industrial slags as aggregates and additives. Repercussion in its final cost. The Consortium is already composed by 5 partners from Spain, Germany and Romania.

Technical Specification or Expertise Sought

European homologate laboratory specialized in thermal and structural analysis of materials, including thermal conductivity, dilatometry, structural yield and stiffness analysis in high temperatures behavior: 400-900 °C.

Stage of Development

Proposal under development

Keywords

Technology

002007003 Ceramic Materials and Powders
002007015 Properties of Materials, Corrosion/Degradation

Market

008001007 Coatings and adhesives manufactures

NACE

F.43.2.9 Other construction installation

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Dissemination

Send to Sector Group

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Laboratory specialized in thermal and structural analysis of materials, including thermal conductivity, dilatometry, structural yield and stiffness analysis in high temperatures behavior: 400-900 °C.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

EUREKA: Smart, Integrated, and High Tech LED Lighting System Design and Development

Summary

A Turkish SME in lighting applications sector plans to submit a project under EUREKA Program. The project aims to design innovative, reliable and efficient lighting systems for road lighting applications by using LED technology. Partners are sought for technology and system development in Information Technologies, Optics Design, Optical Materials and/or Electronics sectors.

| | |
|----------------------|-----------------|
| Creation Date | 26 May 2014 |
| Last Update | 06 June 2014 |
| Reference | RDTR20140526001 |

Details

Description

LED lighting systems are replacing conventional lighting systems. In near future, most of the illumination will be performed with lighting fixtures with LED light sources. This change triggers also technologies and R&D that will be used in an integrated fashion with LED fixtures. These technologies are material science, optics, wireless communications, sensors, automation systems, power electronics, information technologies and computer/circuit programming. It is expected that the successful integration of these technologies into lighting fixtures are going to create a safer, cleaner and more energy efficient environment. The project idea of the Turkish SME is to create a smart lighting system for M1 class street lighting. The LED based lighting fixtures will be a part of smart network that can be monitored and connected from a central station. The system will be working with sun tracking solar systems. Driver development, sensor systems, wireless communication, lighting control, optics development and thermal management are the key topics of the project. The SME aims to follow a multi-disciplinary approach that will integrate optics, material science, electronic, information technologies and thermal management. The system and technology to be developed in the project do not already exist in the market. This expectation resulting in significant market opportunities is to design innovative, reliable and efficient lighting systems for road lighting applications. The project is planned to be submitted to EUREKA Program and the duration is expected to be 2 years. The deadline for EoI is 29 August 2014.

Advantages and Innovations

One innovative aspect of the project is the fact that multiple disciplines will be combined in order to develop a LED lighting system with high efficiency and low maintenance cost. The other innovative aspects can be categorized under each discipline as follows: Thermal management: Using polymer in cooling in order to have lighter products, using on demand active cooling in conjunction with passive cooling, designing heat pipe systems. Electronics: Smart drivers and local control/automation units that can sense the time, weather conditions and system failures and act accordingly based on pre-programmed parameter. Wireless Systems: Data

communication, gathering and control in the lighting system network as well as communication with a central monitoring and control station. Information Technologies: A central monitoring and control station with a user interface that can be used to monitor energy consumption, system failures, maintenance requirements and other important aspects and also that can be used to improve the system efficiency by changing the system parameters via automation. Optics: The targeted optical efficiency is 92+ %, whereas the efficiency of the commercial systems is around 85-90%. Lighting is a 100 Billion € business in the world per year. As the result of increasing use of LED technologies in lighting, the whole industry is going through a significant change. The market reports state that the market share of LED based lighting fixture, which is 4% now, is going to increase to 50% in 2015 and 80% in 2020. Currently there is no such integrated LED lighting system as described in project.

Technical Specification or Expertise Sought

Partners are expected to be experienced in; Information Technologies: A partner that has expertise in remote control of electronics systems via remote control and user interface development. Optics Design: A partner that has expertise in lighting optics design and optical materials Optical Materials: A partner that has experience in optical materials and the technology to process them Electronics: A partner that has experience in one or more of the following fields: Power electronics, wireless communication (RF, ZigBee, GPRS) modules design, sensor circuit design and programming

Stage of Development

Proposal under development

Comments Regarding Stage of Development

The proposal is under development and will be submitted to EUREKA Program.

IPR Status

Other

Comment Regarding IPR status

The EUREKA Project proposal is under development, IPR status will be discussed with potential partners.

Keywords

Technology

| | |
|-----------|--|
| 001001001 | Automation, Robotics Control Systems |
| 001005013 | Communications Protocols, Interoperability |
| 001006002 | Electronic engineering |
| 001006007 | Optical Networks and Systems |
| 004008 | Energy efficiency |

Market

| | |
|-----------|---|
| 003004003 | Other electronics related equipment |
| 003008004 | Other electronics related (including alarm systems) |

NACE

| | |
|----------|--|
| C.27.4.0 | Manufacture of electric lighting equipment |
|----------|--|

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Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

2010

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English
German

Client Country

Turkey

Partner Sought

Type and Role of Partner Sought

Partners sought are expected to deal with technology and system development. Work packages will be shared according to the background of the partner and the partners will develop the system components in parallel.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

PS H2020 Reflective Societies: Platform for management of cultural and historical heritage

Summary

An Italian research centre together with a cultural foundation are proposing a project to be submitted within Reflective-6-2015 Call of H2020. The objective of the project is the creation of a physical and virtual platform, based on the knowledge of the cultural and historical heritage of European countries, allowing citizens to co-produce knowledge. The group is looking for European research institutes or universities or associations dealing with cultural heritage for a joint research project.

| | |
|----------------------|-----------------|
| Creation Date | 04 June 2014 |
| Last Update | 10 June 2014 |
| Reference | RDIT20140530001 |

Details

Description

The proposed project aims at using digital technologies for improving innovation for research in humanities and social sciences. An online portal will be created, based on participatory Geographic Information System (GIS), allowing users to share data and information that will contain specific archaeological database with the heritage of a specific period, maps with GIS technologies and data sheets for all the archaeological sites, integrated with other territorial data, social networks and related links on the web. The project is mainly focused on GIS technology, participatory GIS, web GIS, archaeology. The coordinator of the proposal is an interdisciplinary research centre with strong expertise in the field, used to host initiatives related to urban, industrial, natural resources, management and planning, and as a support tool for managing, processing and analysing large volumes of data, developing applications to study spatial relations between information from heterogeneous sources, experimentation of coupling GIS with other technologies, and Decision Support System (DSS). Deadline for submitting the proposal will be April 2015, and deadline for receiving EOIs is 31 January 2015.

Advantages and Innovations

Archaeological knowledge is so far mostly the prerogative of the academic world. The project, based on participatory GIS portal, will generate and be fed through the production and sharing of contents not only inserted by the experts, but by local communities, citizens and tourists with the passion for archaeology and history. The model has no previous examples, in terms of support given by non-experts and will allow: - a better sharing of cultural resources, research and knowledge; - the opportunity of giving richer interpretations of the past, bringing new perspectives to questions of identity and culture; - societal and economic benefits (such as in the field of the tourism and the cultural and creative industries).

Stage of Development

Proposal under development

IPR Status

Exclusive Rights

Keywords

Technology

| | |
|-----------|--|
| 001003007 | GIS Geographical Information Systems |
| 001004001 | Cultural Heritage |
| 010002010 | Biodiversity / Natural Heritage |
| 011005 | Infrastructures for social sciences and humanities |

Market

| | |
|-----------|-------------------------------------|
| 002007001 | Systems software |
| 002007002 | Database and file management |
| 002007003 | Operating systems and utilities |
| 002007004 | Program development tools/languages |
| 002007010 | Education |

NACE

| | |
|----------|---|
| M.72.2.0 | Research and experimental development on social sciences and humanities |
|----------|---|

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Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The research centre is interested in several types of partners: - associations/foundations involved in the promotion of cultural heritage (role primarily related to promotion of cultural heritage in a specific territory and manager/data validator); - research centres/universities/technical partners (with whom to define contents and possible applications to be adapted to local needs).

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-FCT-14-2014: Factors and behaviors affecting the citizens collaboration with european police forces through a cybercommunity application platform

Summary

A Spanish research centre dedicated to security and crime prevention is drafting the project TRUFFAUT. The aim is to design a webapp or virtual platform to improve the cooperation between police forces and European citizens in the fight against crime. This goal is going to be achieved by designing this website according to the results of a previous empiric and interdisciplinary study about factors involved in citizen participation. The consortium is seeking for a coordinator and end-users.

Creation Date 29 May 2014
Last Update 04 June 2014
Reference RDES20140529001

Details

Description

Through the implementation of a webapp, app, virtual platform or social network, TRUFFAUT aims to improve the cooperation between police forces and European citizens in the fight against crime and its invisibility at various times. Before that, in order to guarantee positive results of this kind of technology, it is necessary to develop a new conceptual frame which collects, quantifies, analyses, interprets and monitors data related to social, individual and structural factors involved in the collaboration from citizens. As a project belonging to Research & Innovation Actions, this proposal has to be focused on establishing the viability of certain technology, product, process, service or solution. For this purpose, the topic encourages us to validate a small-scale prototype of the product, which is going to be implemented at a European level, in a controlled and simulated environment. In this sense, TRUFFAUT is designed as a proposal whose essence is purely experimental, without losing the European or global perspective of its consequences. In that way, the proposal is going to be developed with a view to cover the objectives below: 1. Developing a new Pan-European conceptual model capable of detecting factors that makes citizens to inform police forces about criminal acts. 2. Designing methodology and tools appropriate for the collection of data in one or more representative pilot cities. 3. Once collected data is analyzed, determining how to promote the inclusion of citizens in security structures. 4. Programming and implementing a collaborative website between citizens and police officers through an app or webapp in two versions: a. Implementing a pilot app or webapp based on a previous empiric research of a sample of European citizens, as well as, assessing their intention of informing police about criminal acts. b. Implementing a pilot app or webapp based on a previous empiric research of a sample of European police officers and determining how affect in the research and the visibility of hidden criminal typologies. 5. At last, considering new results of reporting intention after the implementation of the app or webapp, as well as, comparing them with a police survey made before using this technology. In that way,

efficacy and inefficacy of the proposal can be evaluated. In conclusion and according with proposed goals for FCT-14-2014, with TRUFFAUT, we expect to solve some of the problems related to the large number of unreported crimes, sensitizing European citizens to the importance of the collaboration between police and citizens in the fight against crime. This would demonstrate to the citizens that the maintenance of security depends on not only police forces but also the citizens and institutions. Furthermore, the implementation of a Pan-European study about the reporting intention in cyberspace would standardize and improve decision making in matters of crime prevention and police management. In order to achieve the proposed objectives in TRUFFAUT, the answer to the question about how to improve the collaboration between police and citizens is not purely theoretical. As it is required in this call about security, we expect to have the ability to manage potential and efficient solutions through a synergy between theoretical and technological research. It would be designed from a previous empirical study instead of wrong or right decisions unfounded scientifically. To that end, it is necessary the participation and the collaboration of technological partners, as well as computer developers or police and citizen end-users, through which we will be able to assess the efficiency of the implementation of a pilot version of this new collaborative technology.

Advantages and Innovations

European police forces provide three main ways to promote the collaboration from citizens or the intention of informing police about criminal acts: 1) by an appearance in a police station 2) by telephone 3) by Internet (in Spain, the site: <https://denuncias.policia.es/OVD/>) The disadvantages of these ways to inform police are well-known; however, in spite of the visible problems, they are still current with slight changes. Some of these causes that bring to the lack of cooperation from citizen can be included within the “secondary victimization”. This concept includes the relationship and the personal experience of the victim with the police and legal system. After a personal or other people’s experience of a criminal act, the citizens who have the intention of reporting are subjected to a new experience that could be crueler than those suffered, in particular, when institutions such as the police do not know them, do not listen to them, make them waste money or time and even when the police make the citizens feel guilty. Moreover, we have to consider others consequences such as the loss of anonymity, the introduction of a long, hard criminal procedure or the fear of potential reprisals. Then, we have to add the invisibility or the lack of less traumatic alternatives when someone provides collaboration or warns of a criminal act. Those citizens, who finally are encouraged to provide some kind of collaboration to the police through the Internet, finds a large number of warnings which are full of technical terms. This causes a reject due to the difficult understanding involved in instructions and warnings of these kinds of tools. The advantages resulting from the implementation of TRUFFAUT are: - elimination of gaps in the citizens-police collaboration - improvement of the cooperation through the establishment of a closer and easy-going cybercommunity (user friendly) - it will provide online personalized assistance during the process

Technical Specification or Expertise Sought

Types of partners within the consortium: Till the moment, the consortium consist of: • A Turkish company, a simulator and serious game developer. • A British company, App and webapps programmer. • A Spanish University, researchers in Biometrics. • Spanish end users (Public safety and Police forces). • A Spanish Research Centre specialized in the societal and ethical dimension. In addition, one or more partners are needed, interested in the following fields: • Project coordinator in security areas. • And probably, additional end-users (community and police forces).

Stage of Development

Proposal under development

Keywords

Technology

| | |
|-----------|--|
| 001002006 | Computer Software |
| 001003006 | Environment Management Systems & Documental Management Systems |

Market

| | |
|-----------|---|
| 002006007 | Other computer services |
| 009003007 | Other services (not elsewhere classified) |

NACE

| | |
|----------|--|
| J.62.0.9 | Other information technology and computer service activities |
| J.63.1.1 | Data processing, hosting and related activities |
| J.63.1.2 | Web portals |
| N.80.2.0 | Security systems service activities |
| O.84.2.4 | Public order and safety activities |

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Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

1996

Already Engaged in Trans-National Cooperation

No.

Experience Comments

The Spanish center is affiliated with a Spanish university specialized in research and it has carried out a wide range of scientific projects whose results have been used for security improvement and have been shown in the most important national and international conferences. The main objective of this center is the development of research studies on diverse areas of crime: from forms and typologies of crime, to effects on crime victims, including the analysis of specific displays in certain spatial and temporal situations. The main research topics of the center are: cybercrime, analysis and situational prevention of crime, economic crime, crime and children, evaluation of security norms and policies, road safety, public safety, community-oriented police services and community policing, and criminology applied to risk-of-relapse assessment.

Langages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The Spanish centre is seeking partners who are experts on various European research frames in matters of security and, in this way, the success in the making and the presentation of the proposal would be guaranteed. It is sought a consortium whose members are proactive in developing the proposal, highlighting their creative potential and their ability to work in multidisciplinary teams. Definitely, the consortium is looking for: -An experienced coordinator in previous European framework programs of innovation and research, capable of managing this project successfully. It may be expert in security areas. -Some additional end-users, police forces of different countries.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020 DS-06-2014 : industrial end-users from energy or connected vehicles looked for, to test innovative solutions against cybersecurity threats and incidents

Summary

A consortium of partners led by an international group is preparing a H2020 project on cybersecurity. The proposal aims at developing a set of processes and pluggable tools for operators and suppliers of large IT-infrastructures to identify and control risk on the business side and increase automation. The coordinator is looking for partners from Eastern or Southern Europe positioned on energy market or connected vehicles, to provide requirements and use cases in order to validate the solutions.

Creation Date 28 May 2014
Last Update 06 June 2014
Reference RDFR20140528001

Details

Description

Today, a major driver of innovation in IT is the inter-connection of services across devices, platforms and organizations. The emerging applications are often attached with the „smart“ label such as „smart grids“, „smart medical devices“ or „smart cities“ and have three aspects in common: •Data exchange and communication between devices and systems carry a high business or societal potential, •They require the establishment of large cyber-physical infrastructures, e.g. connecting systems with the internet (power plants, vehicles, people, etc.) •They impose highest requirements as far as quality and security are concerned. Resilience, availability and privacy are needed where data of individuals and critical public infrastructures are interconnected in the large. Many of the new applications interconnect previously isolated control systems based on common communication protocol standards. Asset owners and operators have gained immediate benefits by extending the connectivity of their control systems. They have adopted commercial off-the-shelf technologies that provide a level of interoperability. The resulting cyber-physical infrastructures face pressing challenges such as: •Increased connectivity •Interdependencies •Complexity •Legacy software There are manifold methods and products for compliance, security and risk management on the market, among them e.g. the Cyber Security Evaluation Tool (CSET), or guidelines and maturity models for the Smart Energy market. However, security requirements management at the current stage is still to a high degree handcraft rather than an engineered process and therefore not appropriate to cope with large, inter-organizational, heterogeneous and highly evolving IT-infrastructures. In this context the RiskFlows project will deliver major advancements: •To support a fully risk-driven collaborative security management process in order to cope with the sheer amount of security requirements in a cost-effective way, through a secure collaboration platform •To significantly increase the degree of automation within security requirements management in

order to cope with highly evolutionary environments •To increase data actuality and quality within the security management process (e.g. concerning risks and assets) for informed decision making and timely reaction to threats •To provide novel stakeholder-centric, business oriented, adaptable, interactive interfaces for improved support of cyber security posture The outcome of the project will be a set of processes, methods and pluggable tools which can be incrementally introduced by operators and suppliers of large IT-infrastructures. The prototypes developed within the project will be designed as innovative proof-of-concepts with high potential for market success. The consortium already includes several organizations : -the coordinator, an international consultancy firm with strong competences in cybersecurity and with good understanding of the energy market (France/Netherlands) -An Austrian Laboratory developing tools and method to foster the quality management of dynamically evolving collaborative IT systems. -A German utility -A French EMS/ODM (Electronic Manufacturing Services/Original Development Manufacturer) designer and manufacturer of electronic products to customer specifications The coordinator is looking for partners from Eastern or Southern Europe (Poland, Czech Republic, ...) positioned on Energy market, Connected Vehicles. They should provide requirements and use cases in order to test solutions. Partner's tasks could evolve regarding their activity and interest in the project.

Advantages and Innovations

Internet of things, connected objects and communicating devices are deeply transforming the market. They offer many business opportunities for users, through new services for example, but they require an evolution of IT/OT system. Cybersecurity is part of these transformations; organizations need to adapt their cyber protection to the emerging threats hid in the so-called "smart" revolution. This project will bring specific solutions to address this burning issue: -Link technical risk with business risk -Automated and continuously evolving cybersecurity A primary study to identify and compare the latest developments in the field will drive the project.

Technical Specification or Expertise Sought

The coordinator is looking for end-user partner(s) to define project requirements, provide use cases to test solutions, bring the consortium a feedback in order to have a customer point of view on this innovative project. To fulfill those tasks, they should implement developed solutions in their project and test it on the field to have a valuable feedback.

Stage of Development

Proposal under development

Comments Regarding Stage of Development

Several companies have shown their interest in the project : utilities, equipment suppliers, and so on. The proposal is under writing, but the draft can evolve regarding partner alignment.

Keywords

Technology

| | |
|-----------|--|
| 001002009 | Data Protection, Storage Technology, Cryptography, Data Security |
| 001005005 | Network Technology, Network Security |

Market

| | |
|-----------|--|
| 002007024 | Consulting services |
| 006005013 | Distributed power and grid connection |
| 009001005 | Motor vehicles, transportation equipment and parts |

NACE

N.80.2.0 Security systems service activities

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Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

1989

Turnover

20 - 50M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

The coordinator is an international company, already involved in European Project (FP7 program).

Langages Spoken

English

French
Client Country
France

Partner Sought

Type and Role of Partner Sought

The coordinator is looking for additional partner(s) to define project requirements, provide use cases to test the innovative solutions that will be developed, and bring to the consortium a feedback in order to have a customer point of view. The consortium is looking for partners that are part of the energy market or linked to connected vehicles. They can be SME or international company, ideally from Eastern or Southern Europe (Poland, Czech Republic, ...) They will be involved in proposal definition in order to share their project expectations and adapt the project scope (if needed). Partner's tasks could evolve regarding their activity and interest in the project. To fulfill those tasks, the partner(s) should implement the proposed solutions, test it on the field and provide a valuable feedback.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020 NMP-25-2014-1: Partners sought for upscaling of manufacturing process and testing of innovative treatment for Eczema and other skin disorders

Summary

An SME in North East England with 20 years' experience in the field of clinical aromatherapy is seeking partners to work on a collaborative project to test and market an innovative cream to treat eczema. Currently the draft of the proposal is at an advanced stage but it will require appropriate input from the new partners in order to ensure completion. Two partners are sought who will have specialised expertise in process scale-up and clinical test experience respectively.

Creation Date 18 March 2014
Last Update 27 May 2014
Reference RDUK20140318001

Details

Description

An SME in North East England with 20 years' experience in the field of clinical aromatherapy is seeking a minimum of two partners to work on a collaborative project to upscale the manufacturing process for an innovative cream to treat eczema and to prove the efficacy of the product by clinical testing. The owner of the company is a sole trader in a business incorporating a clinic, a training school and an on-line shop. The objectives of the project will be to confirm the relative efficacy of a formulation via universally-recognised test procedures and the scaling-up of the processes used in its manufacture. The outcome of the project is expected to be a consumer product that complies with the EU Cosmetics Directive (Cosmetics Regulation (EC) No. 1223/2009) and which can be marketed through channels such as the UK National Health Service (NHS), retailers and distributors. It is expected that the partners in the project will have the necessary skills and experience to ensure that both of the major objectives can be met by working closely in collaboration with the lead partner. It is probable that one partner will concentrate on the test procedures whilst the other works on the process scale-up, although it is possible that one partner experienced in both of these aspects may also meet such requirements. The driver for this project is to make the product available to a wider market than has been the case hitherto. A successful project will lead to job creation in a new limited company for which up-scaling of the manufacturing process and testing of the product to satisfy the recently-introduced regulations will be essential.

Technical Specification or Expertise Sought

The proposal is intended for submission to Phase 2 of the SME Instrument programme as soon as possible in 2014 (deadline date 9th October). Currently the draft of the proposal is at an advanced stage but it will require appropriate input from the new partners in order to ensure completion. Details of the funding of the project are as follows..... At this stage the project

consortium is expected to consist of 3 main partners: - Lead partner to produce formulation for testing, reacting also to feedback from the other partners. - Partner with specialised knowledge and capability on the test procedures required to ensure validation of the formula developed. - Partner experienced in process scale-up, particularly in the field of skin cream applications. It is possible that one partner could satisfy both scale-up and test requirements but this would not be essential. There is also the possibility that more than one partner could be involved so as to ensure all possible test criteria can be evaluated.

Stage of Development

Proposal under development

IPR Status

Secret Know-how

Keywords

Technology

006001003 Clinical Research, Trials

Market

005002001 Therapeutic services
005003006 Other medical/health related (not elsewhere classified)
005006010 Allergy research

NACE

Q.86.9.0 Other human health activities

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Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The nature of the work involved in the project is such that two sets of skills and experience will be required from the partners. It is likely therefore that two partners will be required: Partner 1: - Type of partner sought: Test laboratory. - Specific area of activity of the partner: Currently active in the testing of cosmetic and pharmaceutical products to recognised international standards. - Task to be performed by the partner sought: Using the recognised standard range of tests for efficacy of skin cream treatments to evaluate and report on the effectiveness of formulations on the basis of a cosmetic product. - Size: Not important as long as testing credentials can be verified. Partner 2: - Type of partner sought: Proven experience of process scale-up techniques, preferably with a track record that includes skin treatment products. - Specific area of activity of the partner: To work in close collaboration with the lead partner to scale-up formulation processes that will have been optimised on a laboratory scale. - Task to be performed by the partner sought: Optimisation of process at manufacturing scales and to define the plant and equipment that will be necessary for large-scale manufacture. - Size: Not important provided necessary experience can be demonstrated.

Type and Size of Partner Sought

SME 51-250

Type of Partnership Considered

Research cooperation agreement