

Research & Development Request

SMEInst-10-2016-2017: City councils of large cities and research institutions are sought to study urban mobility and transport solutions

Summary

A Spanish company expert in transport and urban mobility is looking for partners to collaborate in the project "Urban and transport solutions (UMTRANS)" which will be submitted to the call SMEInst-10-2016-2017. Partners from city councils of large cities (>500000 habitants) that have a modern transport infrastructure (Oslo, Copenhagen, London, etc) as well as universities and research centres experts on the field are sought.

Creation Date	25 October 2016
Last Update	22 November 2016
Expiration Date	22 November 2017
Reference	RDES20161025001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/effad912-bc6f-4c6b-b29b-d66dc839b188

Details

Description

This project aims to test and validate a platform for analysis of urban mobility and transport. The coordinator of the project has already developed:

- an inventory of urban sensors and a geographic information system,
- an all-in-one platform including all the traffic and mobility information,
- a tool to improve the quality of raw data including detection of lacking data, anomalies and incidences.

UMTRANS fusions data from third-parties, including accidents, meteorological information, national and regional-scoped information, etc.

This project will expand existing data (e.g., public transport), match traffic and mobility data based on environmental aspects (time, day of the week, working hours, school hours, weather, city sites, special events, etc) and historical analysis. The platform will be a valuable tool i) to provide information about traffic and mobility to third-parties, and ii) to predict the traffic conditions to citizens in real time via web access and a mobile application.

The final aim of UMTRANS is to validate the platform and offer relevant and quality information to support the decision-making process, as well as to inform users about past, immediate, and future situations. UMTRANS has developed an opened and integrated system of data that will be of special interest for city councils to investigate the current mobility and transport situation, as well as for pedestrians and drivers.

The project will be submitted to the call "SMEInst-10-2016-2017" Small business innovation

research for Transport and Smart Cities Mobility” (maximum duration of the projects is 36 months and amount of funding ranges between 0.5 and 2.5 M€). The project UMTRANS has duration of 156 weeks.

The coordinator is looking for partners from councils in large cities, in addition to research centers with experience on transport and cities mobility. Deadlines for the call and expressions of interest are 18th January 2017 and 20th December 2016, respectively.

Advantages and Innovations

UMTRANS receives geo-positioning data about public transportation systems and designs the best pattern of transport by using only 2-3 months data to transform transport mobility into traffic information without any cost of sensors. The main advances of this project are:

A Citizen Attention Service App, which is a module to collect traffic information from different sources, will be used. This module will process these data and information about the routes will be available to citizens through the App.

Data Integration and Fusion. Nowadays, the development of traffic data collection systems is on the rise. In addition to loops of information, data to calculate the duration of the route are also obtained from urban transport and Bluetooth sensors. Different systems control all these sensors. Firstly, UMTRANS integrates all data in just one single application. Secondly, UMTRANS will fuse the data from different systems collected during this project and it offers a unique tool of combined information. This will be achieved by assessing the quality of data, using Geographic Information Systems (GIS), and developing databases and calculations based on business logic and algorithms.

Technical Specification or Expertise Sought

The coordinator seeks for partners from city councils of large cities, as well as universities and research centres experts on transportations systems and smart cities.

Stage of Development

Available for demonstration

Comments Regarding Stage of Development

UMTRANS is a SAAS platform, which integrates several modules; those are on different Technology Readiness Stages.

Some previously developed modules are still in TRL7, as the developers consider that the existing modules do not work well as regards the Data Quality. TRL 7 means that the modules have been tested in operational environments, i.e., in cities.

The prognosis and prediction modules, besides the dashboard and the new Data Quality system, are in TRL4.

IPR Status

Copyright

Comment Regarding IPR status

"Trade Secret" with minimum access rights for associate partners or under a joint ownership regime

Keywords

Technology

01004003 Applications for Transport and Logistics
02010003 System and transportation

Market

01002004 Other telephone related
02007015 Integrated software

NACE

J.62.0.1 Computer programming activities
J.62.0.2 Computer consultancy activities
J.62.0.3 Computer facilities management activities
J.62.0.9 Other information technology and computer service activities

Network Contact

Issuing Partner

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Automotive, Transport and Logistics

Client

Type and Size of Organisation Behind the Profile

Industry SME \leq 10

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Partners from city councils of large cities as well as universities and research centres experts on urban mobility and transport are sought.

- City councils will take part during the pilot phase and fine-tuning of the platform, testing UMTRANS with the support of another company (GEMINIS). Their main role is to give access to their data and provide feedback on the use and performance during the large-scale pilot.
- Universities and/or research institutions will play a major role in the evaluation. In particular, they will assess the social, socioeconomic and environmental impact. It is expected that these entities also contribute to the technical evaluation of the project.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Health Research Institute is looking for a partner (company or startup) to develop a project H2020 to designed modular nanobiotechnological tools to detect and interfere with the key signaling pathway of heart fibrosis in vivo

Summary

A Spanish Health Research Institute is working on a proposal under H2020: NMBP-13-2017. It is looking for partners under a research cooperation agreement to designed modular nanobiotechnological tools to detect and interfere with the key signaling pathway of heart fibrosis in vivo. The project aims to develop new biotechnological fluorescent nanocluster stabilizing modules for detection and imaging to target a molecule recently involved in the progression of pathological fibrosis.

Creation Date	17 November 2016
Last Update	28 November 2016
Expiration Date	22 November 2017
Reference	RDES20161116001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/770c3109-5621-4b5d-9538-08273b6af42c

Details

Description

A Spanish Health Research Institute working in the field of biomedical sciences for improving patient care is looking for companies or startups to develop a project H2020 under a research cooperation agreement.

This project aims to develop new biotechnological tools for relevant applications in biomedicine by linking the expertise of groups from molecular biotechnology, molecular mechanisms of disease, small companies and hospitals for clinical application. Thus, it is clearly oriented to the Health Challenge.

From the protein engineering and biotechnology perspective, the project aims to exploit the potential of modular repeat protein-based structures to design tailored tools by the combination of functionalities. For this purpose, the Research Institute aims to design and rationally assemble a variety of functional structures using simple building blocks with specified properties. Mostly two types of modules will be developed based on the same protein unit:

1. Fluorescent nanocluster stabilizing modules for detection and imaging;
2. Protein recognition modules for specific targeting, detection, and inhibition.

Since the modules are based on the same structural scaffold the R&D Institution hypothesizes that they can be fused into single proteins to form multifunctional molecular tools. Second

generation designs will consider the coupling between the different functionalities, i.e. the ligand recognition and the fluorescent signal, to produce specific sensors for in vitro and in vivo tracking. Finally, the Research Institute will implement these tools into solid materials and combine them with advanced optical sensing technologies, for ex-vivo detection platforms. From the perspective of the molecular mechanisms of cardiac fibrosis, the project aims to unravel key elements and presents novel therapeutic alternatives and detection tools. For this purpose, the Health Research Institute aims to target a molecule recently involved in the progression of disease. A disease-like pathological remodeling is present on hearts that had suffered a cardiac injury, most of them showing uncontrolled fibrotic events with an excess of extracellular matrix accumulation that can cause heart failure in the long term. The strategies are focused on reducing the pathological heart remodeling by the use of anti-fibrotic molecules. This could be extended to other fibrotic diseases. Strategies to block directly the main pro-fibrotic molecule (TGF β) cause important side effects that lead to life-threatening complications. New tools to develop active anti-fibrotic drugs would be one step toward the absence of anti-fibrotic treatments. Alternative solutions could implicate heat shock protein 90 (Hsp90) which stabilizes TGF β receptor TGF β RI. Inhibition of Hsp90 causes TGF β RI destabilization without altering TGF β molecule, and leads to loss of function of TGF β cascade and reduction of collagen. The Health Research Institute pursues to get the noninvasive detection of human fibrotic damage at smaller scale with mice-adapted models and using Hsp90 KO mice together with promising anti-fibrotic molecule with the possibility of generating a biomarker for fibrotic events and proceed to the translation into clinic. The global aim is the generation of biotechnological tools that target a key component of the disease reducing and detecting the degree of pathological fibrosis. This objective can only be tackled in a multidisciplinary way, as presented in this proposal, including the design of new multifunctional tools, the identification and understanding of key pathways related to disease, and the proof of concept application of the tools to target those pathways, including the inhibition and detection in vitro, in vivo and ex-vivo.

H2020 call: NMBP-13-2017 Cross-cutting KETs for diagnostics at the point-of-care.

Call deadline: 19/1/2017

Deadline for EoIs: 12/12/2016

Stage of Development

Proposal under development

Keywords

Technology

06004

Micro- and Nanotechnology related to Biological sciences

Market

04017

Micro- and Nanotechnology related to Biological sciences

NACE

M.72.1.1

Research and experimental development on biotechnology

Network Contact

Issuing Partner

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

2002

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The Health Research Institute is looking for:

- Start up 1: Large scale production of the different biomolecule formulations.

Big scale production of functional structures based proteins. The project aims to use

multifunctional proteins as tools for specific targeting, detection, and inhibition of specific disease related pathways. The protein based formulations will be hybrid by combining protein recognition moieties with nanoelements.

The required tasks will be to set up an up scaled production of the technology developed, which will include recombinant protein expression and post nanoconjugation.

- Start up 2: Production a detection device for biomarkers of fibrosis in blood samples.

We aim to implement a technology based on bioactive materials for the detection fibrosis biomarkers.

We are looking for a company that could implement in a microfluidic device or design a Point of Care diagnosis device based on the technology developed by an academic group. The detection is based on a biomaterial made of proteins that encode specific recognition properties, which will be link to an optical detection.

Type and Size of Partner Sought

SME 11-50, SME <10

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: Agricultural or Agro-Food Research Centers/Universities (R&D actors) and related farmers / breeders sought for a project on robotics applied for agriculture

Summary

A Spanish technology centre specialised in industrial design and production is preparing a project aimed to develop a new concept of cable driven robot for agriculture. The proposal will be submitted to the call SFS-05-2017: Robotics Advances for Precision Farming. The coordinator seeks two types of partners: farmers, to act as end-users to provide the real scenario and use case requirements, and agro-food / agriculture R&D institutions to provide know-how on related subjects.

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Expiration Date	28 November 2017
Reference	RDES20161125001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/1f4b165b-f141-426f-b381-2fa2b13fcc88

Details

Description

Robotics technologies have achieved a tremendous level of maturity, especially for industrial and medical applications. However, this advancement has not reached agricultural. This project aims to develop a new concept of cable driven robot (low weight) for agriculture. It will include several robot tools to enable any type of agriculture operation and it will be easy to use by workers / farmers during their daily tasks. Its validation will be demonstrated in selected real scenarios.

Specific objectives:

- O1. Development of a new concept of cable driven robot (low weight) for agriculture.
- O2. Inclusion of a robot tool to enable any type of agriculture operation.
- O3. Achievement of a usable HMI (Human Machine Interface) to ease worker / farmer daily tasks.
- O4. Development of the vision and control system to correctly guide and move the robot. Additional sensors to be included.

• O5. Demonstration of robot operability selected scenarios

• O6. Environmental robot analysis to achieve a more sustainable and eco-friendly robot.

Project tasks will be oriented to Requirements collection, Robot and tool development, Perception and actuation systems, HMI and Sensors development, Integration, use case and validation, Environmental analysis and sustainability, Dissemination, exploitation and standardization and Coordination and project management.

Framework programme conditions:

Evaluation scheme: RIA - Research and Innovation Action

Funding scheme: collaborative project.

EOI deadline: January 16th 2017.

Call deadline: February 14th 2017.

Project duration: 36 months.

Type and role of the partners sought:

- Farmers: they will provide their farming areas (crops proposed under their requirements) where the robot will be tested. They will provide robots requirements in relation to the activities to be done: harvesting, irrigation, planting seed, etc. (the robot will include a tool which will enable to do each task).

- Agro-food / Agriculture R&D institutions: they will collaborate closely with farmers to support testing in real scenarios. They will also provide their knowhow to include new technologies within the robot to enlarge their sustainability (reduce the use of pesticides including new technologies in the robot, apply their own technology substances for crop treatment etc.)

Advantages and Innovations

Technological innovation:

- Innovation 1. Useful for any type of field and application: our robot will not depend on the type of field and application (crop).
- Innovation 2. Total robot availability: as our robot will not freely fly and there is not possibility to lose it.
- Innovation 3. Simple robot control: as it will be guided through the cables.
- Innovation 4. Safety of human-robot operation: it will assure safe human-robot collaboration.

Advantages for farmers:

- Adequate robot for any type of field and crop
- Unique robot for any type of operation. It is only needed to do a new tool and any operation can be done.
- Not possibility to lose it as it is driven by cables. Drones can be lost "in the air".
- Remote or automatic control.
- Secure robot for collaboration between humans and robots.
- Harvesting planning thanks to weather forecasts.

Stage of Development

Proposal under development

Comments Regarding Stage of Development

Concept design.

IPR Status

Secret Know-how

Keywords

Technology

01003003	Artificial Intelligence (AI)
01003018	User Interfaces, Usability
01003021	Remote Control
01006008	Satellite Technology/Positioning/Communication in GPS
01006009	Signal Processing

Market

08002004	Robotics
08002005	Machine vision software and systems
09005	Agriculture, Forestry, Fishing, Animal Husbandry & Related Products

NACE

A.01.6	Support activities to agriculture and post-harvest crop activities
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Network Contact

Issuing Partner

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

2004

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
French

Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Farmers: end-user to provide the real scenario and use case requirements.
 - Agro-food / Agriculture R&D institution: providing know-how on crops, reduction on the use of pesticides, supporting end-user, etc.
- Remark: it would be ideal if both profiles come from the same country.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Horizon2020 - ICT-19-2017 – Looking for technology and cultural partners to develop “augmented cities”

Summary

A large educational organisation specialised in Art is looking for research, technology, cultural and advertising partners to put a consortium together to bid for ICT-19-2017 and ICT-20-2017 around “Augmented cities: Building a city storytelling platform”.

Creation Date	25 November 2016
Last Update	28 November 2016
Expiration Date	28 November 2017
Reference	RDUK20161125002
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/cd215a25-f9ae-422b-a9e4-63aac036c538

Details

Description

This school of art is a well-known pioneering art and design education organisation in the UK. It provides a broad range of expertise in architecture, art, design and media and collaborative working in a unique creative environment that encourages creative collaboration across the disciplines.

As connected sensors, bioinformatic data networks and pervasive media technologies develop across the built environment, through the expansion of the internet into physical space and things (IoT), inanimate objects and physical locations will increasingly become an opportunity to extend storytelling experiences across urban and rural environments. Through the development of SMART urban infrastructures, the city increasingly becomes a physical platform for digitally enhanced augmented experiences, enabling archives, cultural and natural heritage organisations, media content owners and businesses to connect to people to stories and spaces in new meaningful ways.

The school of art is looking to lead a consortium which will implement a project called “Augmented cities: Building a city storytelling platform”. It will aim to develop prototypes and applications of how they can connect augmented mediated storytelling experiences to physical places by creating an open storytelling architecture in urban (and rural) environments. This will utilise a variety of technologies (beacons, sensor networks, augmented reality, virtual reality, open data) to enable cultural organisations, communities, retailers, advertisers and other participants to layer cities with augmented, virtual and playful experiences.

The plan is to develop an infrastructure and framework for content creators, artists, cultural heritage organisations, leisure venues, retailers and advertisers to be able to connect themselves to smart city infrastructures, sensor networks and IoT infrastructures to create new kinds of interactive and participatory experiences that synthesise augmented and virtual reality

experiences with sensor networks.

The goals of the projects are:

- to develop new ways for organisations to utilize physical spaces and sensor networks to create augmented experiences in urban environments that respond to users through utilizing data assets with media content
- to bring together an interdisciplinary team of designers, user experience specialists, media content owners, advertisers, civic cultural partners, retailers
- to create a number of demonstrator projects that explore the city as an augmented storytelling platform, enabling organisations, retailers and businesses to create novel experiences and incentives for visitors to urban environments through interactive stories, public augmented art
- to explore the way that digital convergence, social media integration and bio-informatic data gathering could be utilized to engage people in highly personalized and layered cultural and educational experiences in physical spaces
- to address the need for urban spaces and retail environments to move from a service based, to an experience based economy, which will have implications in a variety of disciplines including tourism, retail experiences and civic engagement.

The UK organisation is looking for:

Technology Partners (augmented reality / virtual reality / user experience / transmedia technology businesses)

Universities

Cultural heritage organisations- museums/galleries/archives and other civic institutions

Retailers

Outdoor advertising companies, owners of sensor networks, city open data developers

The H2020 areas being investigated are:

ICT-20-2017 : Tools for SMART Digital Content in the Creative Industries

Deadline to express interest: 1st February 2017

Advantages and Innovations

The school of art's expertise includes a range of researchers, designers and artists interested in cultural experience design, multimedia installations, networked content and digital development across a variety of media arts practices. This includes a network of practitioners and researchers working with a variety of technologies such as augmented reality, virtual reality, mobile app development, IoT Developers and participatory arts projects.

Keywords

Technology

01004002	Applications for Tourism
01005001	Cultural Heritage
01005006	Visualisation, Virtual Reality

Market

01006005	Other communications (not elsewhere classified)
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NACE

R.90.0

Creative, arts and entertainment activities

Network Contact

Issuing Partner

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Services and Retail

Client

Type and Size of Organisation Behind the Profile

Industry >500

Year Established

1910

Turnover

>500M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The UK organisation is looking for:

Technology Partners (augmented reality / virtual reality / user experience / transmedia technology businesses)

Universities

Cultural heritage organisations- museums/galleries/archives and other civic institutions

Retailers

Outdoor advertising companies, owners of sensor networks, city open data developers

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

UK-based university seeks organisations providing multi-modal transport services for a H2020 proposal

Summary

A UK-based consortium aims to develop a system to enhance public access to and experience of public transport services. It will deliver early and long term benefits for all multi modal travellers, specifically those facing various issues. The consortium is looking for Transport Authorities for a submission to H2020 call MG-8-4-2017 Improving accessibility, inclusive mobility and equity: new tools and business models for public transport in prioritised areas.

Creation Date	25 November 2016
Last Update	28 November 2016
Expiration Date	28 November 2017
Reference	RDUK20161125001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/e945c85d-cee9-469f-8731-6c260e970a2f

Details

Description

Accessibility is a concept used in order to address both travel patterns, attitudes and needs of particular social groups, for example gender specific needs, unemployed persons, citizens vulnerable to exclusion such as elderly, children, and disabled. The concept also addresses the mobility needs and transport use characteristics of people living in different types of areas such as rural, remote or deprived urban areas.

The main challenge of this topic is to examine whether organisational, technological (including extended use of ICT) and social innovations in public transport can lead to improved accessibility, inclusive mobility and equity in prioritised areas, by responding better to their specific needs and demographic/socio-economic characteristics.

The proposed framework aims to provide a model that combines existing mobile and fixed sensor technologies, diverse rich transport data and individual user requirements/preferences with new optimisation and analysis algorithms to deliver a personalised multi modal travel experience which both optimises the travel experience of individuals in prioritised areas.

A UK-based consortium, made of academic institution, SME and a local care provider, is seeking well-established Transport Authorities in Europe that provide multi-modal services to take part in the project from creation to testing to providing feedback.

The project proposal will be submitted to Horizon 2020 under the MG-8.4-2017: Improving accessibility, inclusive mobility and equity: new tools and business models for public transport in prioritised areas call topic.

Deadline for EOIs is 09 December 2016.
Deadline for the call is 01 February 2017.

Keywords

Technology

01004003 Applications for Transport and Logistics
01006009 Signal Processing

Market

09001007 Other transportation

NACE

M.72.1.9 Other research and experimental development on natural sciences and engineering
M.72.2.0 Research and experimental development on social sciences and humanities
P.85.4.2 Tertiary education

Network Contact

Issuing Partner

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Automotive, Transport and Logistics

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The UK-based university is seeking well-established Transport Authorities in Europe who provide multi-modal transport services to varying demography of population in prioritised areas to participate in the model creation, testing, feedback and dissemination.

This feedback will also be used in further development of the system. It is expected that this feedback into the system will ensure that it is useful to and accepted by end users.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: seeking organisations that provide care to the ageing population

Summary

A UK-based consortium is looking to develop a system to enable the elderly to live more independently. The system will use and integrate non-intrusive cameras and a movement-detecting robot to extrapolate information from movements and provide advice to the users to enable them to manage their health. The consortium is looking for domiciliary care providers and their clients for a proposal to H2020 SC1-PM-15-2017: Personalised coaching for wellbeing and care of people as they age.

Creation Date	21 November 2016
Last Update	25 November 2016
Expiration Date	25 November 2017
Reference	RDUK20161121002
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/034fa3d1-a315-4d4a-8a10-caff2954fbf9

Details

Description

The increasing elderly populations in most countries presents a seeming contradiction between the individuals wanting to live independently and their needing care due to age-related illnesses. Use of ICT has the potential to provide solutions that enable the elderly to live more independently and still manage their health and mental well-being.

A UK-based consortium made of academic institution, SME and a local care provider is seeking well-reputed organisations in Europe who provide care to the elderly to participate in the model creation, testing and dissemination.

The proposed framework aims to provide a model for extracting knowledge from the environment of the older person and offer appropriate prompts/suggestions in order to motivate the older person to take control of their active life. The system will be perceived unobtrusive and the actions will be in accordance to the personal preference. The consortium currently consists of Universities and SMEs to develop and integrate the technology. The consortium is looking for domiciliary care providers and their clients from across Europe. These care providers, as well as their clients, will be involved from the creation stage, through testing and validation of the system and will provide feedback on different aspects of the system.

The project proposal will be submitted to Horizon 2020 under the SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age call topic.

Deadlines for Expressions of Interest is 8th December 2016.
Deadline for the call is 31 January 2017.

Keywords

Technology

01001001	Automation, Robotics Control Systems
01001002	Digital Systems, Digital Representation
01004001	Applications for Health
01004016	Analysis Risk Management

Market

05010001	Safety for the elderly
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NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering
P.85.4.2	Tertiary education

Network Contact

Issuing Partner

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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

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The UK-based consortium are looking for care homes, retirement villages and sheltered housing providers across Europe to involve from the creation stage through to the testing and validation stage in different settings and to provide feedback on the practical aspects and usefulness of the system to inform development. It is preferred that these providers are SMEs but this is not essential.

Feedback on the system is also required from the elderly individuals involved in the testing process regarding its ease of use and their preferences. This feedback will also be used in further development of the system. It is expected that this feedback into the system will ensure that it is useful to and accepted by end users.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

2 Replacement Technical Partners Sought for H2020- MSCA-RISE-2015 - 1 Academic and 1 Non Academic

Summary

A UK Midlands based University is seeking 2 replacement partners to join their consortium for the following project: H2020-MSCA-RISE-2015 - Designing for People with Dementia: designing for mindful self empowerment. The client is open to expressions of interest from academic and non academic partners from anywhere in the EU in the areas of healthcare, environmental design, ICT but also build solution models and prototypes.

Creation Date	21 November 2016
Last Update	22 November 2016
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Reference	RDUK20161121001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/936d51c4-1b66-4247-96d1-076ccade966f

Details

Description

This project has already started and aims to help people with dementia engage in social contexts to improve psychosocial wellbeing. People who are affected by Alzheimer's disease or other dementias often face cognitive, behavioural and psychosocial difficulties, including impairment and degeneration of memory and of perceptions of identity. In a social context, this can cause difficulties of recognizing, relating to and empathising with other people.

Design can offer novel ways of complementing existing care approaches to empower people with dementia in everyday social situations. Utilising the concept of mindful design, they will investigate innovative design solutions to enable self-empowerment and confidence building of people living with dementia. They will specifically focus on two areas: personal difficulties with social interaction and environmental influences on social engagement. In these two contexts, they will study how personal, wearable designs can help mediate perceptions of identity and emotion management; and how environmental aspects can reduce feelings of information overload and in still feelings of self-empowerment and control.

They are looking for 2 partners to replace the organisations who have left the project to cover the following areas:

1. A new non-academic design partner. This partner could be anywhere in the EU, should have an interest in their project and should offer design expertise in one of the areas of the project (healthcare design, environment design, personalising/wearables, or ICT)
2. A new academic partner: Development of mindful design ideas / solutions / models / prototypes.

EOI Deadline: 20th December 2016
Deadline for call: Already started

Advantages and Innovations

The outcomes and benefits of the project will include: the development of new uses of design for helping people with dementia to engage socially and improve subjective well-being; the presentation of a robust methodological co-design framework for the development and evaluation of the designs in dementia care settings; the development of a holistic mindful model of designing and of a model for mindful care for social engagement for people with dementia; policy recommendations for the inclusion of design within dementia care.

This groundbreaking project will be enabled through an innovative consortium of academic and non-academic partners that combines research in product and environmental design, ICT, and dementia care.

Stage of Development

Project already started

IPR Status

Copyright

Keywords

Technology

06001014	Neurology, Brain Research
11001	Socio-economic models, economic aspects
11002	Education and Training
11006	Citizens participation

Market

05007007	Other medical/health related (not elsewhere classified)
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NACE

Q.86.9.0	Other human health activities
Q.87.2.0	Residential care activities for mental retardation, mental health and substance abuse
Q.87.3.0	Residential care activities for the elderly and disabled
Q.87.9.0	Other residential care activities

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

University

Year Established

1835

Turnover

50 - 100M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
German
Spanish

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

1. A new non-academic design partner. This partner could be anywhere in the EU, should have an interest in the project and should offer design expertise in one of the areas of the project:

- Healthcare Design
- Environment Design
- Personalising needs
- Wearables, Virtual Reality and 3D Visualisation
- ICT

2. A new academic partner:

To develop a mindful:

- Design ideas
- Solutions
- Models
- Prototypes

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Cluster organisations and technology centres sought to join COSME project (COS-CLUSTER-2014-3-03) European Strategic Cluster Partnership in circular economy applied to construction

Summary

A Spanish cluster organisation is active partner of an European Strategic Cluster Partnership, already funded by COSME programme under COS-CLUSTER-2014-3-03 call, with the purpose of supporting internationalization and global competitiveness of European SMEs. The cluster is looking for other cluster organizations and technology centres working in circular economy and, in particular, with the construction sector to enlarge the partnership and become part of the working groups.

Creation Date	16 June 2016
Last Update	07 November 2016
Expiration Date	04 July 2017
Reference	RDES20160616001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fa9f4976-5dea-4141-84ce-5bb50dd8f841

Details

Description

The cluster organisation is part of an European Strategic Cluster Partnership, a project funded by COSME programme (COS-CLUSTER-2014-3-03), focused in Circular Economy for Building and Construction.

The initiative pursues the creation of a meta-cluster, ranging: clusters, business network organizations, and their SMEs and other cluster members; in order to collaborate for innovation, market-uptake, and marketing of competitive products, services and technologies in the field of circular construction and support SMEs in global competition.

The call COS-CLUSTER-2014-3-03 is already closed and the project is ongoing. The consortium is coordinated by a construction cluster from Slovenia and composed by a sustainable building cluster from Spain and an energy cluster from Poland. The consortium is interested in enlarging the partnership and is looking for other cluster organisations committed with circular economy, to join actively the European Strategic Cluster Partnership and working groups with the aim of promote products and services and open new opportunities in third countries. The consortium is as well interested in identifying technology centers and SMEs offering products and services in circular economy applied to construction.

Stage of Development

Project already started

Comments Regarding Stage of Development

Project already started in 2016.
Deadline for EOIs 31/12/2016

Keywords

Technology

02006002	Construction methods and equipment
02006006	Construction engineering (design, simulation)
04005005	Solar/Thermal energy
04005010	Integrated waste-energy processes

Market

06003008	Other alternative energy
09007002	Manufacture of construction materials, components and systems
09007004	Engineering and consulting services related to construction

NACE

F.41.1.0	Development of building projects
F.43.9.9	Other specialised construction activities n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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pzebrowski@zut.edu.pl

Open for EOI : **Yes**

Dissemination

Send to Sector Group

Environment

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

1) Cluster organizations developing activities related with circular economy and, in particular, with the construction sector. The clusters will be included as members of the of European Strategic Cluster Partnership. Looking for cluster organisations to join actively the working groups, with new ideas to join third countries offering services and products in circular economy.

2) Technology centers offering products and services related with circular economy. The technology centers will be included as potential providers of solutions to the of European Strategic Cluster Partnership.

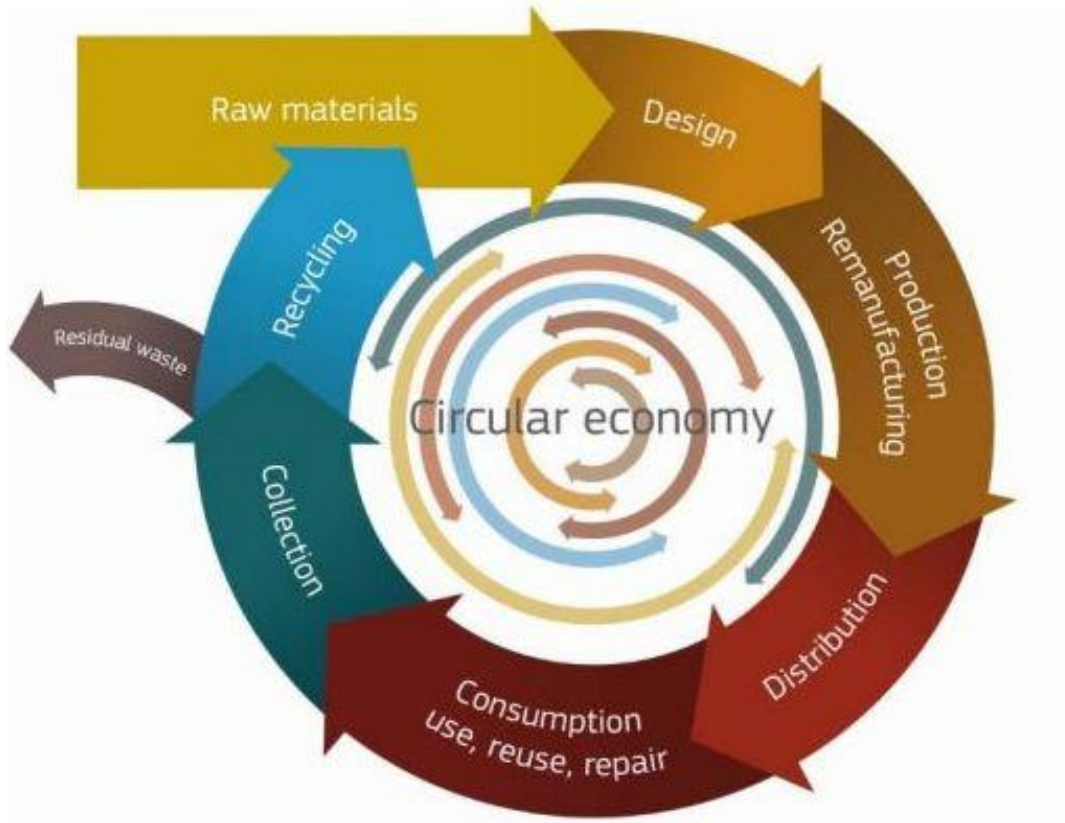
Type of Partnership Considered

Research cooperation agreement

Attachments

Circular-Economy-diagram.jpg

Partnering Opportunity



Research & Development Request

H2020: seeking clusters involved in smart production

Summary

A German university and co-operating research institute are looking for research cooperation partners for the call FoF-12 (IA) ICT Innovation for Manufacturing SMEs. The planned project aims at exchanging experience and enrolling the concept of competence centers in other areas in Europe. Thus they are looking for clusters that are connected with local businesses and experienced in advising SME in smart production. The university is already engaged in European projects. A coordinator is sought.

Creation Date	14 November 2016
Last Update	24 November 2016
Expiration Date	24 November 2017
Reference	RDDE20161114001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/775dc461-7e4e-48a5-bec7-056ecff61d45

Details

Description

A German university and co-operating research institute plan to take part in the Call FOF-12-2017. They are leading institutes in the domain of smart production technologies and have built up a competence center to advise regional SMEs. Within this call the research institutes would like to co-operate with partners who share the aim of spreading ICT know how to SMEs by creating competence centers. The aim of the project is to enroll the concept of competence centers in other areas in Europe. The intended benefit is to transfer know-how about how to train and inform SMEs about increasing digitalization, how to demonstrate technologies and how to transfer those concurrently into SME production systems.

The university and the research institute have the following competences, expertise and experience:

Within several research and transfer projects, both software and hardware have been developed to implement ICT solutions in regional industry. The main research focus has been on data analytics and cloud services, condition monitoring, sensor fusion, internet of things and direct digital manufacturing. Digital solutions are developed along the complete value chain of the product development cycle to support efficient production processes.

As they are located in a German region with a high density of manufacturing companies, close collaboration has been established with local industry. This contributes to highly innovative cluster building in the area of ICT, automation and smart production. As a result, a competence center could be established that serves as a main contact and information point for SMEs to access new technologies in ICT. The team is well experienced in the establishment of competence and demonstration centers.

Partners sought for the research co-operation in this project are clusters who deal with smart

production technologies and who are experienced in working with SME. The competences should lie in building networks and in transferring technological know-how to manufacturing SMEs. Ideally, the partners are already engaged in European projects and have leading competencies in ICT, especially in robotics.

A coordinator is required.

Through the co-operation the partners intend to build up competence centers to strengthen the collaborative network, develop additional concepts for dissemination and to follow common strategies for making SMEs fit for ICT all over Europe.

Call: FOF-12-2017: ICT Innovation for Manufacturing SMEs (I4MS); CSA Coordination and support action, IA Innovation action:

Deadline: 19 January 2017

Deadline for expressions of interest: 20 December 2016

Advantages and Innovations

- Experienced partner in ICT transfer to SME
- Experienced partner in building competence centers
- Coordinator and partner in several EU projects
- Leading research in data analytics, integration and connectivity in production systems
- Research institutes in IoT, CPS and modelling, additive manufacturing
- Demonstration and competence center in smart production

Stage of Development

Concept stage

Keywords

Technology

02001001	3D printing
02003001	Process automation
02003002	Manufacturing plants networks
02003005	Information processing & Systems, Workflow
02004	Plant Design and Maintenance

Market

08002002	Industrial measurement and sensing equipment
08002003	Process control equipment and systems
08002004	Robotics
08002005	Machine vision software and systems
08002006	Numeric and computerised control of machine tools

NACE

J.62.0.9	Other information technology and computer service activities
M.72.1	Research and experimental development on natural sciences and engineering

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

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
German
Spanish

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

The intention to build up competence centers over different European regions requires a strong network and technological know-how of the partners.

Partners sought for this research co-operation:

- Universities or research institutes with strong competencies in the areas of ICT (IoT, CPS, modeling and simulation, robotics or additive manufacturing)
- Universities or research institutes with a strong European network with companies especially SMEs and/ or with a strong role in their region as cooperating partner for technological development for industry
- SMEs with an innovative and agile character and intention to participate actively in the development of a competence center in their region
- Networks and technological clusters of universities and companies in European regions
- Coordinators of clusters and science to business networks

The partners should be actively involved in the creation of a system to interchange know-how between industry and science and to implement through different methods technological innovations quickly and effectively in industry. Partners should fulfil the roles like innovators, as coordinators and as pilot project performers as well as technological messengers.

A coordinator is required.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Pre-Commercial procurement: rehabilitation of post-stroke patients. Expertise in home care of elderly, telematics, language/speech or dementia sought

Summary

An Italian consortium is looking to develop a system that will enable rehabilitation of post-stroke patients in their own home, helping them to live more independently. The consortium is looking for an European partner experienced in home care of elderly, telematics, language/speech or dementia to jointly apply for the following call: Pre-Commercial procurement (PCP) to buy R&D services to enable rehabilitation of post-stroke patients in their own home.

Creation Date	27 October 2016
Last Update	31 October 2016
Expiration Date	31 October 2017
Reference	RDIT20161027001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/34cb7420-8a42-49d8-9c7e-30d734236a04

Details

Description

Presently 1/3rd of all stroke patients are discharged from hospital with a significant change to life style, well-being, health status & independence. Community H&SC services (Health and Social Care) do not enable patients to make a sufficient recovery post stroke. A search of state of the art technologies indicated much progress in the development of technologies to assist patients but no system is available to significantly affect rehabilitative improvement to scale; with no solution integration with H&SC services.

An Italian-based company specializing in specialized in software development, cloud computing and consulting is building a consortium that is developing a system to be implemented in post-stroke care, expected to make it possible to care for more service users with the same number of care givers whilst improving the outcome of health gain at 6 months post-stroke.

The aim is also to increase the quality of life for the post-stroke patient by making them to live more independently and also manage their mental well-being.

This system focuses upon the development and implementation of technology based solutions for patients who have experienced a stroke. The system will use and integrate apps, remote connection between therapist, technologies to empower self-care, gamification, remote vital sign monitoring (beyond standard telecare and telehealth. The project will bring different technologies together into one system. The consortium currently consists of 4 Italian SMEs,

- 1- engaged into developing and integrating the technology,
- 2- specialized in gamification/ serious games,
- 3- developing Telemonitoring, multiparameter and activities monitoring systems.
- 4- providing rehabilitation services for post stroke patients

The consortium is looking for an organization/SME experienced in home care of elderly, telematics, language/speech or dementia based in Europe.

The project proposal will be submitted to the pre-commercial procurement to buy R&D services to enable rehabilitation of post-stroke patients in their own home (PIN 2016/S 083-146689). The call shall be published within the MAGIC (Mobile Assistance for Groups and Individuals within the Community – Stroke) H2020 project, the first PCP awarded in Europe under H2020.

Call topic: Research and experimental development services.

The deadline for tender submissions is Friday 9th December 2016 at 3pm.

EOIs deadline: 29th November 2016.

Stage of Development

Proposal under development

Keywords

Technology

01001001	Automation, Robotics Control Systems
01001002	Digital Systems, Digital Representation
01003001	Advanced Systems Architecture
01004016	Analysis Risk Management

Market

05001	Diagnostic
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NACE

G.46.5.1	Wholesale of computers, computer peripheral equipment and software
J.58.2.9	Other software publishing
J.62.0.1	Computer programming activities
J.62.0.9	Other information technology and computer service activities
J.63.1.1	Data processing, hosting and related activities

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

No.

Certification Standards

ISO 9001:2008

ISO 2000

Languages Spoken

English

French

Italian

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The consortium is looking for SME/Organization experienced in home care of elderly, telematics, language/speech or dementia, based in Europe.

The sought consortium partner should make available information and data on the system of care and rehabilitation in its country and be involved in the development and testing of the technology solution.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

SME Instrument: clinical research partners needed for development and validation of exercise games designed for physical or cognitive therapies

Summary

The UK start up has developed a medical software that turns traditional physical therapy exercises into interactive video games. It is used both in the clinic or at home where clinicians can monitor the patients remotely. The company is currently looking for clinical/research partners to further develop and clinically validate exercise games designed for physical or cognitive therapies to apply to the SME Instrument call: Accelerating market introduction of ICT solutions for Health, Well-Being.

Creation Date	27 October 2016
Last Update	28 November 2016
Expiration Date	28 November 2017
Reference	RDUK20161005002
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/82e83f06-b274-44a1-a643-7352627106a2

Details

Description

Physiotherapy is a long and difficult process for people in need of rehabilitation. Treatment plans can be cumbersome and a slow recovery can be dis-empowering for patients. Physiotherapy is an essential component of healthcare, while its complexity comes with the requirement of the treatment's adaptability to each patient. All patients are unique, requiring attention and special care in order to fully recover and relearn, at least a part of, the movements once known to be simple.

The company's mission is to provide to every person, no matter their disability or severity of their condition, the right to choose the best options for their treatment.

The UK company has developed a medical software that turns traditional physical therapy exercises into interactive video games, improving adherence to treatment. It is used both in the clinic or at home where clinicians can monitor the patients remotely.

The company's solution helps patients perform the right exercises, gives them incentives to progress and tracks not only when they have done the exercises, but how effectively they are doing them. In this way it helps improve patients' quality of life in a faster, easy and fun way while setting the standard for rehabilitative and long term care through compassion and technology. The system is not designed as a replacement of the physiotherapist, but rather as a new tool for the specialist to use in addition to the traditional treatment.

Currently, the product contains more than 10 games and more than 20 exercises targeting the recovery of the shoulder, upper and lower limbs through gross movements, as well as falls prevention (balance), containing exercises such as squats, functional reach, shoulder rotation/flexion, hip abduction, sit to stand and many others. The platform will soon be expanded

to other packages in order to contain games for active ageing, cognitive performances, post-surgery for adults and so on.

The company is currently applying to the H2020 SME Instrument call: Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well and is looking for research and academic partners that are willing to be part of the further development and clinically validation of exercise games designed for physical or cognitive therapies. The potential R&D partners might take part to the EU project as subcontractors during the SME Instrument phase 1 and 2 project. The call deadline for the phase 1 project is 15 February 2017 and the company is looking to establish a first contact with a potential partner by the end of January 2017.

Keywords

Technology

06001002	Clinical Research, Trials
06001010	Gerontology and Geriatrics
06001020	Physiotherapy, Orthopaedic Technology
06005002	Sensors & Wireless products
06005004	Remote diagnostics

Market

05003001	Therapeutic services
05005005	Geriatrics
05005009	Paediatrics
05005015	Orthopaedics
07006	Other Consumer Related (not elsewhere classified)

NACE

J.62.0.1	Computer programming activities
J.62.0.9	Other information technology and computer service 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

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

Romanian
English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The company looking for research and academic partners that are willing to be part of the further development and clinically validation of exergames for different types of rehabilitation. The company is currently working on a grant proposal for the SME Instrument call of Horizon 2020 programme and is looking for a research partner that might join the project as a subcontractor for the R&D activities.

The SME is looking for partners that are able to contribute with clinical input and are willing to perform research for the clinical validation of the medical device resulted (software plus interaction sensors hardware), through feasibility studies and randomized control studies. The scope is to prove the therapeutic effect of the exergames as well as to evaluate the economic benefits of telerehabilitation with this solution that enables home based treatment under remote supervision of the therapist.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: Looking for collaboration with large enterprises acting as end-users of a new industrial manufacturing process for a project proposal under FOF-06-2017.

Summary

A Greek-led consortium has developed a scalable manufacturing process suitable for mass production, requiring minimal changes to existing plants. The consortium is looking for collaborations with large enterprises for a proposal submission under H2020-FOF-06-2017 topic, aimed at surface-modifying methods that improve performance without altering the chemical composition of the surface and can be easily integrated into mass production lines in a cost-effective and environmentally-friendly way.

Creation Date	18 November 2016
Last Update	22 November 2016
Expiration Date	22 November 2017
Reference	RDGR20161118001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/977b277d-25ee-4eb4-b527-477e5c9ae57a

Details

Description

A consortium of multinational industrial organizations and academia is currently being formulated. This consortium is preparing a proposal to be submitted under the Horizon 2020 topic FOF-06-2017: New product functionalities through advanced surface manufacturing processes for mass production.

The aim of the project is to improve product performance by developing surface-modifying methods which do not alter the chemical composition of the surface and can be applied to mass production lines in a cost-effective and easy to integrate way. The proposed method, which is scalable and therefore suitable for mass production, requires minimal changes to existing plants and is environmentally-friendly due to reduced energy consumption and pollutant-free operation.

The consortium needs to be enriched with large industrial enterprises in the automotive, aerospace, construction, oil & gas, nuclear or medical sectors with an active interest and specific business use-cases of the work hardening processes (such as impact treatment and cyclic deformation) to act as end-users and contribute to the up-scaling and standardization of the proposed non-contact treatment process.

Deadline for proposal submission: 19/01/2017
Deadline for Expressions of Interest: 9/12/2016

Advantages and Innovations

Critical components in the industry are susceptible to stress corrosion cracking caused by environmental and/or loading conditions. In such cases, making the components' materials as resilient as possible is of utmost importance.

An innovative work hardening process has been developed which presents a series of advantages over existing techniques. This process is capable of non-contact stress annihilation by push-pull forces (cyclic deformation) acting on the surface of the material subject to treatment. This treatment has a gradient effect, portraying sub-surface annihilation with complete control over the applied load magnitude and distribution. Its operating parameters can be fine-tuned to suit any material under treatment.

The specified novel electromagnetic impact treatment method offers:

- Application of tensile and/or compressive forces in metallic surfaces
- Application of compressive stresses in non-metallic surfaces able to deliver non-contact mechanical treatment including:
 - Cyclic deformation
 - Surface polishing
 - Oxide removal
 - Electromagnetic forming
 - Electromagnetic welding
 - Non destructive investigation

by tensile and/or compressive stresses with the ability to adjust the direction and amplitude of the applied force vector in a faster, better and cheaper way.

Stage of Development

Proposal under development

Comments Regarding Stage of Development

The described process has been validated in the lab (Technology Readiness Level 4).

IPR Status

Patent(s) applied for but not yet granted, Exclusive Rights

Comment Regarding IPR status

Patent Cooperation Treaty (PCT) submitted ("Electromagnetic hammer device for the mechanical treatment of materials and method of use thereof").

Keywords

Technology

02006001	Materials, components and systems for construction
02006002	Construction methods and equipment
02007005	Composite materials
10002013	Clean Production / Green Technologies

Market

08001015	Other speciality materials
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08001023

Other chemicals and materials (not elsewhere classified)

NACE

C.24.1.0

Manufacture of basic iron and steel and of ferro-alloys

C.25.1.1

Manufacture of metal structures and parts of structures

C.28.1.1

Manufacture of engines and turbines, except aircraft, vehicle and cycle engines

C.29.2.0

Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers

M.72.1.9

Other research and experimental development on natural sciences and engineering

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Materials

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1836

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Greek

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

The Greek university is willing to establish research cooperation agreements with large enterprises in order to act as end-users. The large enterprises will supply a use-case for the application of the new technology and help define requirements and validation benchmarks.

Type and Size of Partner Sought

>500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: Partners on oncology and drug delivery needed to join a network on numerical modeling and simulation of anticancer drug delivery in liver

Summary

A French-based consortium is preparing a proposal for the Horizon 2020 Personalised Medicine programme; Call: SC1-PM-16-2017 In-silico trials for developing and assessing biomedical products. The project is to propose a novel 3D digital and physiological model of the liver perfusion, capable of simulating the injection of a drug and its impact upon healthy tissues and hepatic lesions. The research team is looking for private or public partners focused on oncology and drug delivery.

Creation Date	04 November 2016
Last Update	21 November 2016
Expiration Date	21 November 2017
Reference	RDFR20161104001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/81295616-c7e0-4e32-9d73-b03978369180

Details

Description

The development of in-silico trials is an international scale challenge. The European Commission strongly promotes reduction of animal testing and human trials, as evidenced by several Horizon 2020 calls in Health Societal challenge.

A French university is building a consortium to propose a novel 3-dimension (3D) digital and physiological model of the liver perfusion. This model, diffused as open-source software will represent the morphology and physiology of human liver and simulate the blood flow within the vessels and other surrounding tissues. The aim is to test in-silico the injection of (new) drugs for the treatment of hepatic diseases. This will help medical doctors to plan protocols faster and better, as they will benefit from a computerized prediction of the effect of one or several drugs on a patient, before employing it practically.

The project requires a high multi-disciplinarity including:

- ICT : computer vision, medical image processing, digital geometry.
- Simulation of patients variabilities, breathing, deformable organs (lungs for example), fluids (blood), tubular solids (vessels), porous environment (liver parenchyma).
- Medicine: clinical practice, interventional radiology, hepatology, hepatic surgery.
- Chemistry, Physiology: assessment of drug action, developing new drugs, for liver and hepatic tumors.

The consortium is already composed of academic research teams, hospitals and private company, representing four European Union countries. The coordinator is a French university in the field of Innovative medical imaging.

The consortium is looking for research and private partners specialized in:

- (bio-)chemistry, physiology, pharmacology or related fields exploited for the liver.
- chemistry or pharmacology of drug delivery
- development of novel and potent drug candidates

The project is being prepared for the H2020: SC1-PM-16-2017 call which has a deadline of March 14th.

The deadline for expressions of interest is January 27th

Advantages and Innovations

By combining skills in medicine, computer vision, mathematics, geometry, simulation and computer science, the consortium proposes challenging research for liver cancer treatment. The proposed model is expected to allow a low-cost and repeatable experiment and act as a supporting tool design to evaluate the effectiveness of a drug therapy.

The main goal is the translation of research from animal models to humans in the development of 3D-model for relevant clinical trials and personalized medicine.

Stage of Development

Project in negotiations - urgent

IPR Status

Secret Know-how

Keywords

Technology

01003016	Simulation
06001002	Clinical Research, Trials
06001003	Cytology, Cancerology, Oncology
06001015	Pharmaceutical Products / Drugs

Market

02007012	Medical/health software
05	MEDICAL/HEALTH RELATED
05003005	Drug delivery and other equipment
05005014	Oncology

NACE

M.72	Scientific research and development
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Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Healthcare

Client

Type and Size of Organisation Behind the Profile

University

Year Established

2014

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

2014 is the year of consortium creation

Languages Spoken

English

French

Client Country

France

Partner Sought

Type and Role of Partner Sought

Type of partners: research and academic institutions and private companies

Specific area:

- (bio-)chemistry, physiology, pharmacology, oncology or related fields exploited for the liver.
- chemistry or pharmacology of drug delivery
- development of novel and potent drug candidates

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: German consortium seeks industrial partners, especially SMEs, active in the field of production, processing and recycling of fiber composite materials

Summary

A German university chair of management accounting is setting up a consortium for the call CIRC-01-2016-2017. The aim of the project is to develop new processes in order to use old buildings as a resource pool for materials. The consortium is looking for industrial partners, especially SMEs, who are experts in the production, processing and recycling of composite materials (e. g. fibre reinforced plastic).

Creation Date	09 November 2016
Last Update	10 November 2016
Expiration Date	09 November 2017
Reference	RDDE20161109001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/d55a0166-0aab-44a9-b156-eeb27291af4f

Details

Description

The chair of management accounting at a German university is looking for research cooperation partners complementing the consortium for a project in Horizon 2020 CIRC-01-2016-2017 (IA, TRL 5-7).

The aim of the proposed project is the development of an innovative recycling economy in construction, which will replace the existing linear business models, ensuring sustainable growth and thus making a significant contribution to improving resource efficiency in the sector. The idea of the project application is to use old buildings as a resource pool, rather than completely demolish and treat as waste. New, sustainable processes have to be designed to easily separate the old building material. In addition, new technologies have to be developed to prepare the recovered building materials and to ensure a required quality, which is documented consistently. Furthermore new intelligent designs could enable an easy way of effortless assembly and disassembly of building structures (cradle to cradle® principle).

The project is in the concept stage. Until now, the consortium consists of the German university as well as of a German institute specialised on textile technologies. Within the project, the German university would deal with the controlling of the value part while the institution offers its expertise on textile construction. Furthermore, the German university has already contacted a Danish technological institute to coordinate the project. Additional companies and institutes from different countries have already been requested to participate in the project. A first workshop will take place at 25.11.2016 in order to intensify the discussions and to clarify more details.

In order to complement the consortium, the company is looking for industrial partners, especially SMEs, who are active in the field of composite materials (e. g. fibre reinforced plastic). The partner should have experiences in the production, processing and/or recycling of these materials. Within the consortium, the partner would cooperate with universities and SMEs to design new intelligent constructions and to develop a new circular economy based on its product.

Research cooperation agreements are sought.

Call: CIRC-01-2016-2017: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects,
Deadline: 07 March 2017,

The German Chair would like to conduct a workshop with all potential partners of the consortium on 25 November 2016.

A final workshop will take place in February 2017.

Expressions of interest (Eols) can be submitted until the end of January 2017.

Keywords

Technology

02006001	Materials, components and systems for construction
02007002	Building materials
02007005	Composite materials
02007014	Plastics, Polymers
03005007	Textile fibres

Market

08001004	Fibre-reinforced (plastic) composites
08004004	Other pollution and recycling related
09007001	Construction companies
09007002	Manufacture of construction materials, components and systems
09007004	Engineering and consulting services related to construction

NACE

E.38.2.1	Treatment and disposal of non-hazardous waste
E.38.2.2	Treatment and disposal of hazardous waste
E.38.3.2	Recovery of sorted materials
F.41.1.0	Development of building projects

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

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

Languages Spoken

English

German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

The German university is looking for industrial research cooperation partners, especially SMEs; in order to complete the consortium.

The industrial research partners should be active in the area of fiber composite materials and should have expertise in the fields of:

- technologies for the production of fiber composite materials
- process technologies for the for the processing of fiber composite materials
- recycling technologies for fiber composite materials

The industrial partner could be

- a manufacturer or user of fibre composite materials
- related to the construction sector
- interested in new intelligent product designs
- interested to realize a circular economy based on its product
- interested in new business models (e. g. leasing of building products/ structures)

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-SPACE-EO-1-2017: Experts in urban planning, Copernicus data, SAR and web-GIS are sought

Summary

A Greek research organisation is writing a project proposal for SPACE-EO-1-2017 call. The aim of the project is to develop services for urban planners that have the potential to lead to commercial products. The organization is looking for the following partners: urban planner, IT expert of Copernicus data, IT expert of web-GIS development and SAR (Synthetic Aperture Radar) observation analyst.

Creation Date	22 November 2016
Last Update	25 November 2016
Expiration Date	25 November 2017
Reference	RDGR20161121002
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fb8496ec-56b3-4ea0-9bb5-837993033a93

Details

Description

The Greek research organisation is dealing with issues related to numerical analysis, environmental and physiological flows and non-linear wave phenomena, Earth Observation (EO), Geographical Information Systems, spatial statistical modeling and Decision Support Systems.

Past projects have developed EO-based indicators for urban planning focusing on the local city level. However, planning in peri-urban and rural areas is particularly important especially for developing countries, given their high number of large cities and scattered settlements. For this reason, the proposal is aiming to specifically take into account the routine requirements of urban planning, as well as cities' requirements for climate change mitigation and adaptation, to develop indicators that effectively exploit the information content provided by Copernicus Sentinels mass data streams in support of urban planning at local and regional scales. The proposed Innovation Action will finally develop a web-based system capable for on-line evaluation of Sentinels-based indicators. Therefore, it is oriented towards the development of services for urban planners that have the potential to lead to commercial products.

The Greek research organisation will be the coordinator and is looking for various partners. Urban planner for the design of the peri-urban area. An IT expert for dealing with the Copernicus data. An IT expert for web-GIS development. Finally a SAR (Synthetic Aperture Radar) observation analyst.

The project proposal will be submitted to Horizon 2020 under the topic EO-1-2017: Downstream applications.

Call deadline: 1st of March 2017

The deadline for Expressions of Interest is 30th of December 2016.

Stage of Development

Proposal under development

Keywords

Technology

02006002	Construction methods and equipment
10002007	Environmental Engineering / Technology
10002010	Remote sensing technology

Market

09007001	Construction companies
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NACE

P.85.4.1	Post-secondary non-tertiary education
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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

R&D Institution

Year Established

1983

Turnover

10 - 20M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

The research organisation is considered to be a Center of Excellence involved in advanced research in biology, applied physics, computer science, applied mathematics, chemistry and chemical engineering, and the humanities.

Languages Spoken

English
Greek

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

The research organisation is looking for the following partners:

- Urban and spatial planning expert. The expert will design the peri-urban and rural areas needed by the system. The expert will take care of the routine requirements of urban planning, the cities' requirements for climate change mitigation and adaptation and will develop indicators that effectively exploit the information content provided by Copernicus.
- SAR observation analyst. The analyst will provide data to the urban planner for using to the design the areas.
- IT expert for automatization of Sentinels processing chain. The expert will rearrange the Copernicus data for creating useful information.
- IT expert for web-GIS development for on-line indicators evaluation. The expert will help the urban planner for developing the indicators through processing of the data received by the GIS system.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

SC5-14-2016-2017: A Slovenian research institute is searching for industrial partners and partners from the construction sector to develop innovative pilot actions

Summary

Research organisation active in the construction sector, from Slovenia, is seeking to form a consortia, in the role of coordinator, with partners from industry and the construction sector to establish a project proposal for Horizon 2020 SC5-2016-2017 to demonstrate innovative pilot actions

Creation Date	25 October 2016
Last Update	08 November 2016
Expiration Date	08 November 2017
Reference	RDSI20161003001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/1090463b-dbd8-4288-9f29-a00844729ee7

Details

Description

The research organisation is looking for partners from industry and the construction sector to create a consortium for a project in Horizon 2020 SC5-2016-2017 in the first quarter of 2017. The expected project duration will be 48 months.

The project will be addressed towards the efficient, safe, environmentally sound and innovative use of resources hidden in different waste streams with practical implementation through pilot demonstrations to support market uptake.

The project proposal will be aimed at enhancing know how of existing recycling and reuse practices and optimizing them by improving their efficiency and applicability with special emphasis applied to critical raw materials relevant to the EU economy. The project is in the stage of conception.

The organisation is looking for partners in industry, which have identified by-products and waste streams that could find application in the construction sector; as well as partners from the construction sector, where organisations are wishing to improve their sustainability and test solutions in pilot demonstrative actions.

The organisation has a good track record and much experience as partner and lead partner in both scientific research and applied sciences. This experience is linked with day to day activities relevant for:

- fundamental and applied research in the fields of building materials and structures,
- development of new methods of testing and measurement,
- certification and attestation of conformity of products, materials and executed works,

- training of research and technical staff in particular technical fields,
- participation in the preparation of technical codes and standards.

In recent years it has been especially active in the preservation and reuse of materials from waste, and testing products with regard to their applicability in construction. They back this with life cycle analysis to support transition from a linear to a circular economy.

The organisation has experience in the management and support of demonstrative pilot actions, leading to more efficient waste material reuse and recycling in industry and in the construction sector, which are crucial aspects of a circular economy.

The organisation is targeting their project proposal on the call for SC5-14-2016-2017: raw materials innovation actions opened on the 8th of November 2016.

Expression of Interest: Deadline 20 th of December 2016
Call deadline: 7th of March 2017

Stage of Development

Concept stage

IPR Status

Other

Keywords

Technology

02003006	Prototypes, trials and pilot schemes
02006001	Materials, components and systems for construction
02006006	Construction engineering (design, simulation)
10003004	Recycling, Recovery

Market

08004004	Other pollution and recycling related
09007002	Manufacture of construction materials, components and systems
09007004	Engineering and consulting services related to construction

NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering
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Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination**Send to Sector Group**

Environment

Client**Type and Size of Organisation Behind the Profile**

R&D Institution

Year Established

1992

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Slovenian
German
Italian

Client Country

Slovenia

Partner Sought

Type and Role of Partner Sought

The organisation is seeking partners from industry and the construction sector to perform demonstrative pilot actions relevant for a transition towards a circular economy.

Partners need to be seeking more sustainable waste management practices and have staff available to work on the project.

The partners need to be looking for new economically viable solutions for existing waste streams and their market uptake with an objective to upcycle and make their own contribution towards the needed societal transition to a circular economy.

Along with the innovative pilot actions the partners need to be willing to present their experience and good practice in training activities anticipated in the project to disseminate project results.

Type and Size of Partner Sought

>500 MNE, 251-500, >500

Type of Partnership Considered

Research cooperation agreement