

Research & Development Request

A Consortium coordinator is looking for partners for a H2020 call on nature-based solutions for inclusive urban regeneration

Summary

An Estonian NGO, who is currently in the process of creating a project Consortium, seeks to involve 1-2 frontrunner cities and at least 3 follower cities as well as respective local partners (e.g. industry partners, NGOs, SMEs and universities) to further develop a project idea for the H2020 call "Demonstrating innovative nature-based solutions in cities" (SCC-02-2016-2017), which focuses on issues of inclusive urban regeneration in 2017.

Creation Date	20 January 2017
Last Update	23 January 2017
Expiration Date	23 January 2018
Reference	RDEE20170120001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/bbf89e2f-9009-4b8d-bb75-2e3c668b4ba9

Details

Description

Under SCC-02-2016-2017, the challenge is to provide EU-wide evidence and develop a European reference framework of nature-based solutions for city authorities, communities, enterprises and other stakeholders about the benefits and economic viability of these solutions. In 2017, the focus is on inclusive urban regeneration in cities, e.g. issues like derelict industrial sites, disfunctioning urban areas, increased criminality, social exclusion, inequalities, marginalization and poverty.

The first-stage proposal is due on 7 March 2017 and the 10 pages of proposal will outline the overall concept of the project, i.e. the specific objectives, methodology, ambition and expected impact. At this stage, the aim is to involve 1-2 frontrunner cities and at least 3 follower cities as well as the respective local partners (e.g. industry partners, NGOs, SMEs and universities) to further advance a project idea that the coordinator is developing together with an Estonian city, one of the project's frontrunner cities.

The overall objective of the project is to:

- * Deploy a number of innovative nature-based solutions that focus on inclusive urban regeneration in the pilot areas of the frontrunner cities;
- * Set up a monitoring system to provide evidence of the benefits and economic viability of the deployed solutions;
- * Assist the follower cities in developing sustainable urban planning that proceeds from the frontrunner cities' experience and lessons learned;
- * Develop methodologies for replicating and upscaling the frontrunner cities' solutions in various

contexts (incl. investments strategies, governance and business models);

* Disseminate and promote the project results through smart city networks and communities.

Technical Specification or Expertise Sought

The coordinator is looking for city authorities who would either act as frontrunner or follower cities and who would put together the local partnerships (involving e.g. universities, industry partners, SMEs and NGOs).

Stage of Development

Proposal under development

Comments Regarding Stage of Development

Currently, negotiations are ongoing with several cities across Europe, but the final Consortium will be specified in the beginning of February 2017.

Keywords

Technology

10002005	Biodiversity / Natural Heritage
10002007	Environmental Engineering / Technology
10002011	Soil and Groundwater Pollution
10002012	Remediation of Contaminated Sites
11006	Citizens participation

Market

09005	Agriculture, Forestry, Fishing, Animal Husbandry & Related Products
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NACE

M.72.2.0	Research and experimental development on social sciences and humanities
M.73.2.0	Market research and public opinion polling
M.74.9.0	Other professional, scientific and technical activities n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination

Send to Sector Group
Environment

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

1996

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

The NGO is an independent non-profit research and development think tank in Estonia.

Languages Spoken

English

Client Country

Estonia

Partner Sought

Type and Role of Partner Sought

First and foremost, the coordinator is looking for cities that are interested in joining the Consortium. However, the cities will be expected to form their local partnerships, including e.g.:

*Environmental science/engineering (ecology, civil engineering, hydrology etc.)

*Business studies (business models, exploitation plan etc.)

*Social sciences and humanities (co-design, co-implementation, participation, social acceptance etc.)

*Political sciences, economics, governance (legal, societal and market challenges, urban planning disciplines etc.)

*Industry partners/SMEs from relevant sectors (innovative solutions, ICT, communication

strategies etc.)

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-SPACE-GALILEO-3-2017: Manufacturer of agricultural machinery sought

Summary

A Spanish SME specialised in the development of IT applications is preparing a proposal for H2020-SPACE-GALILEO-3-2017 call. The project will develop a new system of agricultural management for precision farming based on GNSS (Global Navigation Satellite System) technologies. The consortium is seeking a manufacturer of agricultural machinery to develop a system for the application of phytosanitary products in the vineyards using variable rate technologies via a research cooperation agreement.

Creation Date 20 January 2017

Last Update 20 January 2017

Expiration Date 20 January 2018

Reference RDES20170120001

Profile link <http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/6904f648-6cbf-4acb-bc62-c3af2dec0be0>

Details

Description

A Spanish company, a technology based firm founded in 2011 with expertise in software and hardware development, has developed its own solutions in the field of agro-climatic information systems.

Technology is meant to revolutionize the agriculture. However, there is still a lack of commercial solutions bringing precision agriculture technologies to the market, especially equipment for smart field intervention. Highly innovative applications taking advantage of Galileo and EGNOS (European Geostationary Navigation Overlay Service) can decrease the barriers to access such professional applications in terms of price of the solution and easiness of use, increasing the number of users. Specifically for agriculture, these technologies will improve the productivity and decrease the environmental impact.

The project will use EGNSS (European Global Navigation Satellite System) technology to develop a new system of agroclimatic management for precision farming that will represent a qualitative leap in agriculture and the sustainable production of foods, maximizing the quality of crops through the reduction and more efficient use of production inputs such as energy, fertilizers and chemicals, and minimizing input costs while ensuring the preservation of the environment.

The consortium is currently formed by a technology-based SME developing innovative solutions in electronic devices, advanced software and data analysis via data mining, a company devoted to develop and implement precision agriculture technologies and provide agronomic consulting and an experienced winery.

The project proposal will be submitted to Horizon 2020 under the SPACE-GALILEO-3-2017 topic and the consortium is looking for an industrial partner. The partner sought will develop a sprayer for the application of phytosanitary products at a variable rate in the vineyards. This spraying system will be integrated with the ENGSS-based system developed by the SMEs. The company will contribute to the project in collaboration with other entities in specific R&D tasks.

Call deadline: 1st of March 2017

The deadline for Expressions of Interest is 10th of February 2017.

Anticipated duration of the project: 24 months.

Stage of Development

Proposal under development

Keywords

Technology

01004007	GIS Geographical Information Systems
02011004	Satellite Navigation Systems
07001007	Precision agriculture

Market

09005	Agriculture, Forestry, Fishing, Animal Husbandry & Related Products
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NACE

M.71.1.2	Engineering activities and related technical consultancy
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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

Industry SME 11-49

Year Established

2011

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Type of partner sought: SMEs or large companies

Specific area of activity of the partner: Technology developer and manufacturer in the field of agricultural machinery, preferably with experience in sprayers for fertilisers and crop protection products.

Task to be performed: The partner sought will collaborate in the development and integration of a VRT (Variable Rate Technology) system for vineyards based on EGNSS technology. They will develop a sprayer that will be integrated with the subsystems developed by their partners and will collaborate in the validation in field and also in the dissemination of the results of the project.

Previous experience in international project development would be positively evaluated.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Shift2Rail calls: End User sought (rail transportation) to set up a collaborative project about composites and innovative materials for rolling stock

Summary

A French engineering office with experience in projects, (a German-based company and a laboratory from UK) is looking to cooperate to submit a proposal to one Shift2rail call topic (S2R-CFM-IP1-01-2017 or S2R-OC-IP1-01-2017) to develop and design new technological concepts with innovative materials and composites for the next generation of rolling stock. They are looking for an end user from rail transportation for a research cooperation agreement.

Creation Date	20 December 2016
Last Update	03 January 2017
Expiration Date	03 January 2018
Reference	RDFR20161220001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/c3031c02-4fd4-4a33-a07d-a48a145f34d6

Details

Description

The project aims to enhance the use of composite materials in rolling stock pushing the functionalities integration further and using new materials able to comply with the railway environment requirements.

Structural parts targeted in the calls will be studied like carbodyshell or access door systems. Innovative materials will be investigated to ensure safety aspects (fire/smoke behaviour and mechanical resistance), to increase components reliability and to bring new functionalities and comfort to the passengers. Design will be selected to allow easy assembly and effective joints with respect for maintenance and reparability.

For instance, offering mechanical resistance and insulation (thermal and acoustical) as well as being lightweight, composite sandwich panels admit various applications in carbody. This integration of functions is beneficial, particularly for rail applications where weight reduction is increasingly important from a performance, environmental and European standards point of view.

At last, life cycle assessments studies will quantify environmental impacts and the cost will be analysed to demonstrate the viability of these solutions.

The requested partner is an end user from rail transportation looking for innovative technologies for its range of vehicles, in order to submit an R&D collaborative project under H2020 Shift2Rail:
- type of action: RIA Research and Innovation action (single-stage process)
- deadline: 30 March 2017

- deadline for Eols: 15 February 2017

Advantages and Innovations

increased safety and security, comfort, environmental impact, reliability and performance

Stage of Development

Proposal under development

IPR Status

Granted patent or patent application essential

Keywords

Technology

02007005	Composite materials
02007019	Lightweight materials
02008004	Railway Transport
02009010	Lightweight construction

Market

08001004	Fibre-reinforced (plastic) composites
08001009	Speciality/performance materials: producers and fabricators
09001005	Motor vehicles, transportation equipment and parts

NACE

M.71.2.0	Technical testing and analysis
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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

Automotive, Transport and Logistics

Client

Type and Size of Organisation Behind the Profile

Industry >500 MNE

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

French

Client Country

France

Partner Sought

Type and Role of Partner Sought

The partner sought can come from all around Europe:

- En duser

Specific areas of activity of the partner sought: rail transportation

Field of expertise/ experience:

- Scientific background in the field of composite materials

- Interest for innovation and new materials

Task to be performed:

- Participation in the development of technologies on rolling stock : Carbodyshell, Access door, Interiors

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Innovative Circular Economy Model of Wastewater Treatment Services in Urban Areas - InCEMode -

Summary

A Macedonian Institute is developing a project under CIRC- 02- 2016-2017: Water in circular economy, part b) Towards the next generation of water systems and services – large scale demonstration projects(2017). The project aims to demonstrate an innovative overarching model of the wastewater treatment services in urban areas, based on a holistic technological, financial and social approach for the creation of a complex and systemic approach to a reliable, efficient and rational water use.

Creation Date	27 December 2016
Last Update	23 January 2017
Expiration Date	30 December 2017
Reference	RDMK20161227001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/ca65e379-6529-43da-8aae-becc95f38d4c

Details

Description

The Project will design, produce and demonstrate a new and comprehensive manner of conduction of water services in urban areas, accorded to the future demands in line with circular economy. It will encompass all relevant aspects of water and wastewater usage (technological, financial, social, environmental, managerial, business, regulatory demands).

The Project will be implemented in a large execution scale and in several (at least two) representative cities that will be selected at different geographical locations, will be of variable size population-wise, and considering new as well as existing wastewater treatment plants (WWTPs) for communal and industrial wastewater processing.

The general project objective is to pursue a new integrated model for the water utility services in EU EU-wide urban settlements that will take into consideration various (technological, environmental and financial) aspects, as well as a general communal and societal acceptance towards water as a valuable, scarce, essential, and the most widely used natural resource.

The general advantageous purpose of this comprehensive model of water utility services will be the optimization of the complete water cycle(s) (starting with the quantity and quality of diverse water streams, the treatment of different waste water(s), and ending by water–energy–materials closed loops, foremost aiming at agriculture and aquaculture cross-cutting flows, e.g. nutrients and value-added biological products) by the development of innovative water services, reaching towards the future emerging demands of customers, markets, national and EU-wide regulatory policy, as well as sustainability and an efficient management resource.

The Project will design and demonstrate a complex, unique, and comprehensive model based on complete integration, mutual balance and optimization of the following aspects of water use and treatment in urban areas:

- 1) integral technological solution, compatible to each other and adjusted to the site conditions

(site location, size, hydraulic and technological loading, market conditions, social environment, etc.),

2) Environmental aspects (prevention of pollution by effluents and emissions from the treatment process),

3) Social aspects (habits for water use, individual and municipal attitude to water spending and saving, which are indicated by hydraulic and technological loading of the plants),

4) Financial aspects (possibilities and benefits of investment in circular economy technologies),

5) Management aspects (most efficient and purposeful modes of operation, running and conduction of the plants),

6) Business and marketing aspects (models of financing).

A methodological approach of optimization, supported by an appropriate software tool, will also be developed and demonstrated within the Project, intended for future designing and optimization of water, material and energy closed loops systems in wastewater treatment plants in urban environments. In addition, an appropriate model for management of the plant will be demonstrated, forming an integral part of the new established circular economy system of the water services for WWWTs management and operation.

The Project innovation focus will be set on integration and optimization of several technological fields encompassing usage of: treated and untreated water for water supply of industry and communal needs, treatment process residuals, generation of heat, electricity and materials for industry. In general, three pathways will be determined with the technological aspect: water, energy and material loops.

For the proposal development, it has established partnerships with reputable scientific and applied research institutes and engineering consultancy services companies. The Institute is looking for a project coordinator and other partners (industrial enterprises, business experts, water utilities).

- Official call Deadline: 07-03-2017

- Internal deadline for EOIs: 15/02/2017

Stage of Development

Proposal under development

Keywords

Technology

10004001	Industrial Water Treatment
10004004	Drinking Water
10004008	Water Resources Management

Market

08004003	Water treatment equipment and waste disposal systems
09009001	Conglomerates and holding companies

NACE

M.72	Scientific research and development
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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

2012

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Italian

Client Country

Macedonia, The former Yugoslav Republic of

Partner Sought

Type and Role of Partner Sought

The Institute is looking for a project coordinator and partners with the following profiles:

- Industrial enterprises for design, manufacture, installation and putting in operation of circular

economy technological solutions for WWT plants (to design technological equipment in accordance with the model produced by the research institutions, to manufacture, deliver, install and put the equipment in operation);

- Business, management and marketing experts (to design optimal models of financing, maintain and manage of future plants; to provide data on future market demands and trends of trade with materials from WWTPs);
- Water utilities, in charge of providing wastewater services (to follow up the project and give their opinion in view of plant owners and operators, and possibly to provide locations for piloting of the Project);
- Entities having experience with application of water circular economy solutions (to share their experience, by presenting case studies, examples of successful application of circular economy technologies etc.).

The partners sought should have relevant experience, as well as potential and interest for sharing the project objective and innovation focus and for making a significant contribution to reaching the project goals. The coordinating partner needs to have adequate experience in related research field, running and leading of similar projects and a wide contact network that can be used for further development of the project team. The prospective partners are encouraged to submit proposals for further development of the project concept.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: expertise in clinical metabolomics, gene expression or proteomics, patient data bases and clinical studies sought

Summary

Bulgarian R&D company looks for partners to build a project consortium as coordinator under JTI-IMI2-2016-10 for analysing and testing novel biomarkers for prostate cancer. They are specialised in mathematical modeling of various types of 'omics' data using own computational platform for big data analyses. Partners sought are universities, R&D institutes, SMEs, hospitals and labs with expertise in clinical metabolomics, gene expression or proteomics, patient data bases, clinical studies.

Creation Date	24 January 2017
Last Update	26 January 2017
Expiration Date	26 January 2018
Reference	RDBG20170111001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/1b6d1595-cea6-4270-b88b-140ae2676c4c

Details

Description

The Bulgarian R&D company has designed a versatile big data computational platform for modelling of biomolecular interactions and pathways. The applications of the computational platform include drug discovery and design, repositioning of therapeutic compounds, small-molecule diagnostics, chemical genetics, biomarker identification, etc.

The company is building up a consortium as coordinator for submitting a project proposal under the H2020-JTI-IMI2-2016-10-two-stage, Topic: How Big Data could support better diagnosis and treatment outcomes for Prostate Cancer.

The main objective of the proposal is to deploy the capacity of the big data computational platform for discovering disease signatures of the prostate cancer. The platform has a wide range of useful functionalities such as:

- using combination of biomarkers of various types (genomic, gene-expression, proteomic and metabolomic) as flexible solutions for non-invasive diagnostic tools;
- modelling patient's metabolomics data for the creation of highly specific disease signature profiles;
- ability to find predictive multi-factorial biomarker signatures without the need of an exhaustive search of all possible combinations of individual biomarkers;
- screening both asymptomatic and symptomatic patients, and unambiguously differentiate between positive and negative symptomatic.

The company has already developed a portfolio of predictive cancer signatures for ovarian, prostate, bladder and breast cancer from publicly available gene expression, metabolomics and proteomics data. Those preliminary data can be further used in the project activities.

The main outcomes of the project activities would be the discovery of novel biomarkers for diagnosis, prognosis and targeted therapy for prostate cancer.

The company is looking for research and business partners that can provide expertise in clinical metabolomics, gene expression or proteomics, data from patients with prostate cancer, as well as laboratories able to validate potential novel biomarkers detected in the course of the project.

The project proposal would have the following indicative structure:

- WP 1: Project management and administration
- WP 2: Disease understanding and outcome definition
- WP 3: Data access and sources
- WP 4: Data platform
- WP 5: Data analytics
- WP 6: Clinical validation
- WP 7: Dissemination and communication

The WPs will encompass different tasks for discovering patterns relating the prostate cancer grade, stage and molecular markers, and for developing predictive models of patient outcomes, disease progression and therapy selection.

Call title: H2020-JTI-IMI2-2016-10-two-stage:
Topic: How Big Data could support better diagnosis and treatment outcomes for Prostate Cancer

Types of action: IMI2-RIA Research and Innovation action

Call information
<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/imi2-2016-10-02.html>

Deadline of the call, 1 stage submission: 28 March 2017
Deadline for submitting EoI: 28 February 2017

Stage of Development

Proposal under development

Keywords

Technology

06001002	Clinical Research, Trials
06001012	Medical Research
06002009	Molecular design
06003001	Bioinformatics
06003002	Gene Expression, Proteome Research

Market

05001005

Molecular diagnosis

NACE

M.72.1.1

Research and experimental development on biotechnology

Q.86.9.0

Other human health activities

Network Contact

Issuing Partner

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Healthcare

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

Bulgaria

Partner Sought

Type and Role of Partner Sought

The company looks for the following project partners:

- R&D organisation, university and/or R&D company with expertise in clinical metabolomics, gene expression or proteomics data. The main tasks will be to analyse, develop and validate novel biomarkers for discovering predictive disease signatures for prostate cancer.
- Hospitals, patients organisations or companies for clinical research with main role to provide and analyse data on patients with prostate cancer.
- Laboratories and/or companies for clinical research to test and validate the biomarkers.

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

H2020: seeking SMEs with innovative water technologies

Summary

A Spanish R&D institute is preparing a H2020CIRC-2(b)-2016-2017 proposal that aims to implement innovative treatment technologies for small-medium-scale industrial wastewater streams, closing the water cycle by increasing the efficiency of desalination and wastewater treatment plants, including recovery of energy and re-use of chemicals and nutrients. The institute seeks industrial SMEs (preferably not Spanish) with innovative technology demos for water management under the circular economy.

Creation Date	16 January 2017
Last Update	25 January 2017
Expiration Date	25 January 2018
Reference	RDES20170113001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/0380f821-94df-4dca-8350-5f5525247b5a

Details

Description

The R&D Institute is a public company that supports the Canary Islands' R&D development with experience in developing and managing R&D&I projects with national and European funds. The Water Department of the Institute is preparing a H2020 project; subcall CIRC-2-2016-2017 Project (Water in the context of the circular economy. (b) Towards the next generation of water systems and services; large scale demonstration projects (IA)).

The project is aimed at developing a demonstration and evaluation of innovative water management options on the Southeast County of Gran Canaria Island, one of the most innovative areas in terms of sustainability and technology in the Canary Islands. The project will expand the re-use of treated waste water, through the integration of eco-efficient water management in industrial processes, ensuring carbon neutral water services, and closing the water cycle by increasing the efficiency of desalination and WWT (wastewater treatment plants), including the recovery of energy and the re-use of chemicals and nutrients.

The small-medium scale industrial estate established in this County (food and drink industry, metalwork, laundries, stone-cutting, graphic art and printing industry, etc.) is a significant water user and a direct beneficiary of solution and innovative technologies and services that enable more sustainable water management (reduction of the current water consumption and reuse).

The Institute seeks industrial SMEs, preferably no Spanish, with demos of innovative methods and technologies, with Technology Readiness Level - TRL, from TRL5 (Component and/or breadboard validation in relevant environment) to TRL9 (Actual system proven through successful mission operations) to address the following broad lines of action:

- Brine from the desalination plant (supplying 33,000 m³/day with 68% recovery rate): energy

issues and recovery as a by-product.

- By-products from sewage sludge (i.e. phosphorus): efficient ways to extract these, turning waste into a valuable and renewable resource, creating new opportunities for companies and reducing its impact on the environment. (WWTP wastewater treatment plant 18,000 m³/day).
- Innovative treatment technologies for fish-products small-industry wastewater stream (high salt content, high organic matter, oil and grease, ammonia in their wastewater).
- Innovative treatment technologies demos for small-scale industrial wastewater streams, unlocking barriers for their recycling and reuse. The goal is to demonstrate on an small industrial scale how process-water can be reused selecting the right water treatment and management processes and systems
- Water management ICT tools following circular economy purposes and new generation of water systems and services.
- Innovative treatment technologies demos for citizens direct application.

These innovative solutions should be in line with the objectives of the circular economy, contributing to the challenges of a depletion of raw materials (e.g. through the recovery of resources from waste water) and climate change (reducing energy needs or producing energy).

Stage of Development: Proposal under development.

The Institute is negotiating for partnership with institutions from EU countries that are specialized for research projects in water sector.

Timeline:

Deadline for first stage applications: 07 March 2017

Deadline for expressions of interest: 10 February 2017

The project is planned to be realized within 3-4 years

Stage of Development

Proposal under development

Keywords

Technology

10003004	Recycling, Recovery
10003007	Waste to Energy /Resource
10004003	Wastewater Recycling
10004006	Sludge Treatment / Disposal
10004008	Water Resources Management

Market

08004003	Water treatment equipment and waste disposal systems
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NACE

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

Industry SME 50-249

Year Established

1992

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The R&D Institute is looking for SMEs (preferably no Spanish), with TRL5- TRL9 and small-medium-scale innovative solutions in line with the objectives of the circular economy to address the lines of action: Water management ICT tools, Water re-use demonstration, etc.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: SMEs in the IT sector and municipalities are sought

Summary

A Bulgarian municipality will act as coordinator in a project under the ICT-11-2017 call - Innovation in e-services on the behalf of public authorities. 3 partners are sought to form the consortium, where the type and role of the partner could be IT sector SMEs, municipalities and NGOs, with experience in data storage & access, public governance and dissemination. The aim of the call is creating collective awareness platforms for sustainability and social innovation

Creation Date	13 January 2017
Last Update	18 January 2017
Expiration Date	17 January 2018
Reference	RDBG20170113001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/be517862-0b1b-4aba-9355-386bc3a8a3bd

Details

Description

The project will be focused of creation of reliable electronic system to be used on public structures – mainly municipalities with the purpose of digital storage and access of large archives.

Following the principal of continuing involvement of citizens in municipality governance and services, the system will have an option of interactive data transfer to citizens upon request and after reliable way of identification.

Although the system will be designed to have very high security compliance in view of providing data and functionalities to citizens, it will alleviate considerably data search and could be considered a step ahead to e-governance.

In respect to strengthen the project team in Innovation Action field, at least 3 additional project partners are sought who would take part in envisaged work packages as follows:

- WP1 Project Management and Communications
- WP2 Review of Basic System functionalities
- WP3 Integration of Archive data to Open social platform
- WP4 Security of the system and authorization protocols
- WP5 Additional Control system
- WP6 Applicable National Rules & Regulations requirements compliance
- WP7 Scale model preparation and testing
- WP8 Dissemination of results

The approach is to address our partners search to companies, institutions and other entities which have professional engagements so far in fields, corresponding to the scope of listed work packages above.

The coordinator expects to receive brief proposition from interested potential partners, where they will describe their potential involvement in the project, their contribution (knowledge and expertise).

If an additional municipality (than municipality Varna) is involved – it will take place in all work packages. The involvement of other municipality is not obligatory but preferable.

Innovation Actions (IA= Innovation Action)

Funding rate: 70%.

Cut-off date: 25 April 2017 17:00:00

Deadline for the Expression of interests: 1.03.2017

The project is scheduled to be submitted on April 2017 or in Summer 2017.

Advantages and Innovations

Creation of reliable electronic system to be used on public structures – mainly municipalities with the purpose of digital storage and access of large archives.

The innovation here is usage of such a service also by citizens- thus it is in the field of social innovations.

Technical Specification or Expertise Sought

- Expertise in big data storage & access;
- Other municipality that wish such a service to be implemented
- IT big data maintenance – creation, storage, access

Stage of Development

Proposal under development

Keywords

Technology

01001002 Digital Systems, Digital Representation

Market

02006007 Databases and on-line information services

NACE

N Administrative and support service activities
 N.82 Office administrative, office support and other business support activities
 N.82.1.1 Combined office administrative service activities
 O.84 Public administration and defence; compulsory social security

O.84.1.1

General public administration activities

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Pawel Zebrowski

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Bulgarian

Client Country

Bulgaria

Partner Sought

Type and Role of Partner Sought

The type and role of the partner could be 1 or 2 IT sector SMEs with experience in Data Storage & Access and 1 or 2 Municipalities which may be interested in digitalisation of its own archives. The role of the partners will be to perform basic research, model preparation and scale testing of the system for data storage & access of large volumes of municipalities' archives.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

SME Instrument Phase 2: Seeking local authorities, transport or finance companies to join feasibility studies of new digital service ensuring more advanced data protection and consent

Summary

A UK IT company has developed a new tool that will allow companies that collect and use personal data to capture the required confirmation and consent from users to hold and process their personal data. They are seeking local authorities or companies working in transport or finance from each of the following countries, Germany, the Netherlands and Poland, to join their SME Instrument Phase 2 bid under a research cooperation agreement, to field test the system.

Creation Date	03 January 2017
Last Update	16 January 2017
Expiration Date	05 January 2018
Reference	RDUK20170103001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/faca180a-2f25-464b-a273-7f933ae867b0

Details

Description

The EU has signed into law a new set of data protection regulations: the General Data Protection Regulation (GDPR) that will be in force from 26 May 2018. This new law replaces the previous Data Protection Directive. A major change is that GDPR now requests that citizens have to give consent for their personal data to be shared. This drives a need in the market for a new service to facilitate the capture of user consent to use their personal data.

The UK company has developed a new digital tool to respond to this need.

They have tested the system in the UK and have successfully been awarded Phase 1 funding, but are seeking local partners from three selected European countries (Germany, Poland and the Netherlands) to take part in feasibility studies and 'sandpit testing' to ensure it is fit for purpose across these EU jurisdictions, and with a view to providing multi-language and bespoke variations of the system at a later date.

They are seeking local authorities and/or companies working in finance or transport to take part, with the aim to test that the system can increase the trust between customer and provider, via research cooperation agreement.

The deadline for the call is 14 April 2017
The deadline for EOIs in the profile is 31 March 2017.

Keywords

Technology

01003009	Data Protection, Storage, Cryptography, Security
01003011	Electronic Commerce, Electronic Payment & Signature
01003013	Information Technology/Informatics
01004009	CRM - Customer relationship Management
01004015	ICM – Internet Content Management

Market

02006004	Data processing, analysis and input services
02006008	Data storage
02007002	Database and file management
02007005	Communications/networking

NACE

J.62.0.1	Computer programming activities
J.62.0.2	Computer consultancy activities
J.63.1.1	Data processing, hosting and related activities
J.63.9.9	Other information service activities n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination

Restrict Dissemination to Specific Countries

Germany, Netherlands, Poland,

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

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

Type: Local government/industry

Activity: Local authority/finance/transport

Specific role of the partner: Take part in feasibility studies, 'sandpit testing' and other feedback and contribute towards the testing of the product to local markets.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

SESAR-VLD1-10-2016: Partner Search in the fields of software developing, microcontroller embedded system designing and manufacturing

Summary

A Turkish SME specialized in mechanical design, electronics, automation technologies and development of IT applications, preparing a proposal for SESAR-VLD1-10-2016: Safe integration of drones. The aim of the project is to develop drone services for e-identification and registration, surveillance and tracking, automatic flight permissions and flight plan validation. The SME is looking for partners, in the fields of software developing, microcontroller embedded system designing and manufacturing.

Creation Date	24 January 2017
Last Update	24 January 2017
Expiration Date	24 January 2018
Reference	RDTR20170123001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/3320823a-8bd8-42a1-8a99-32a5b44de2d0

Details

Description

Taking into consideration the accelerated pace of evolution of the drone industry, management of safely urban or rural airspace become vital.

The recent "Warsaw Declaration" which acknowledged the need for urgent action on the airspace dimension, in particular the development of solutions for low-level operations, a planned system will provide a web based control that will help to guarantee safety standards. A Turkish SME that provides innovative engineering solutions is developing drones with open source systems and IoT systems.

The project is aiming to develop drone services for e-identification and registration, surveillance and tracking, automatic flight permissions and flight plan validation. To do that the system consist of two main part, software and embedded system. Web based software will automatically generate flying route that taking into consideration legal permission. The micro controlled embedded system sends real-time information to the web based software to let that the drone is legally monitored by flight control center. The planed system is able to include current Air Traffic Control System. Smart technologies are going to be developed for safe routing, flight permission and real time tracking.

SME is looking for various project partners among companies and research organizations. More specifically, partners should be expert in software developing, microcontroller embedded system designing and manufacturing.

The project proposal will be submitted to Horizon 2020 under the SESAR-VLD1-10-2016: Safe

Integration of drones.

Call deadline: 11th of May 2017

Deadline for Expressions of Interest is 30th of March 2017

Stage of Development

Concept stage

IPR Status

Secret Know-how

Keywords

Technology

01002004	Embedded Systems and Real Time Systems
01003025	Internet of Things
01004005	e-Government
02011002	Aircraft
02011004	Satellite Navigation Systems

Market

01006005	Other communications (not elsewhere classified)
08006001	Process control and logistics
09001004	Mail and package shipment
09001006	Airfield and other transportation services

NACE

J.62.0.1	Computer programming activities
M.74.1.0	Specialised design 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

2013

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

Turkish
English

Client Country

Turkey

Partner Sought

Type and Role of Partner Sought

SME is looking for University/ Company/ SME partners under the following expertises:

Embedded system developing and manufacturing companies who has knowledge of wireless communication system without gsm like LoRa etc.

Web and computer software developing companies or universities

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,SME 51-250

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

German research institute seeks Industrial partners from the electrical storage sector for research project under H2020

Summary

A german reseach institute is looking for industrial partners to take part in their consortium in the project that aims at developing an industrial lithium production. The project comes as response to the H2020 call on "Raw materials Innovation actions - SC5-14-2016-2017", and will be based on a research cooperation agreement. The target partners should be producers of batteries or suppliers of materials for the production of electric energy storage systems.

Creation Date	09 January 2017
Last Update	10 January 2017
Expiration Date	10 January 2018
Reference	RDDE20170109001
Profile link	http://een.ec.europa.eu/tools/services/PRO/Profile/Detail/2cc0837a-a8b9-42da-81a2-053fb0f71a31

Details

Description

The research institute is looking for industrial partners to take part in the project which aims at enabling a lithium production in Europe, from lithium-rich water solutions of geological origin or obtained by battery recycling. The industrial partners are necessary for the exploitation of the intellectual property.

The existing consortium includes:

- i) three universities/research centers with expertise in electrochemistry (including the researchers which first developed the ion pumping technique)
- ii) a research center working on water resources in charge of building the cell
- iii) a SME which will perform the life cycle assessment
- iv) a SME which will perform the geological investigations
- v) a SME with expertise in water treatment which will build a water treatment system

The target is to include industrial partners from the two following sectors

- i) producers of materials for batteries, for producing the electrode materials we need in the electrochemical process
- ii) producers of batteries, as users of the produced lithium, industries working on recycling of lithium-ion batteries are also targeted

The proposed process is a hydrometallurgical technology based on electrochemical ion pumping: lithium ions are captured by electrodes from the geological solutions and later released in a different water solution, which becomes a high-purity and high-concentration

lithium salt solution. The process has been successfully tested on a laboratory scale. The project targets a TRL6. In order to reach it, the project will build an electrochemical cell producing 100 g/day of lithium, with a pre-treatment system (water filtration) and post-treatment (additional stages of purification of the solution and precipitation of lithium carbonate). The system will be tested on real solutions from geological sources.

Advantages:

The production of lithium-ion batteries is expected to grow in the coming years as a consequence of the demand for green and sustainable technologies.

Lithium is relatively expensive and its production is currently extremely localized, with the large majority of lithium produced in south America. The EU is fostering the growth of production of lithium-ion batteries for environmental reasons. The envisaged increase of the lithium demand could lead to an increase of the price of lithium, or even lithium shortage. In order to enable a European lithium production, new extraction technologies must be developed. The proposed technology will contribute to a more resilient production of batteries in Europe.

The hydrometallurgical technology is particularly clean, since it does not involve release of any chemicals into the environment. Moreover, it is not based on mining but on extraction of water, which is environmentally friendly. Production of lithium-rich solutions is also a possible stage in recycling of lithium batteries.

The call Raw materials and innovation action - SC5-14-2016-2017 has as deadline the 7th of March 2017.

The deadline for the Expression of interests is the 24th of February 2017.

Stage of Development

Proposal under development

Keywords

Technology

03004002	Inorganic Substances
04001003	Storage of electricity, batteries
05001003	Inorganic Chemistry
05004002	Extraction

Market

03002	Batteries
06008	Energy Storage

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

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

The research institute is seeking industrial partners for a research cooperation agreement from the following sectors:

i) producers of materials for batteries, for producing the electrode materials needed in the electrochemical process

ii) producers of batteries, as users of the produced lithium

The coordinator looks also for industries working on recycling of lithium-ion batteries

The partners of the group i) will be mostly involved in the work packages on production of materials for the electrodes, cooperating with the partners making electrochemical and electrokinetic characterization of the materials. Such WPs will require a stronger effort in terms of person-months at the beginning of the project.

The partners of the group ii) will be mostly involved in the work packages on system development and post-treatment; they will also be involved in the exploitation plan and market assessment.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement