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Bavarian Research Alliance

HORIZON 2020

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PARTNERSEARCH OFFERS FOR EUROPEAN PROJECTS

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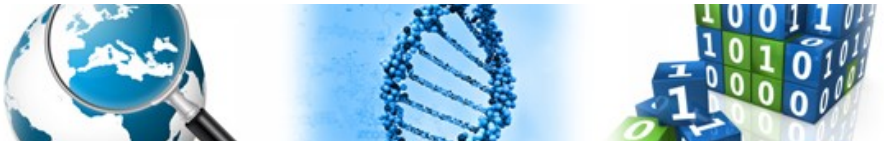
Business Support at Your Doorstep

European Commission

Excellent Science



ID	**RDIT20181116001**
Call	**H2020-MSCA-RISE-2019:** **Research and Innovation Staff Exchange**
Title	**Development of underwater archaeological technologies**
Abstract	An Italian university lab on cultural heritage together with other R&D centres and SMEs from Italy and Spain are preparing a proposal for the call MSCA-RISE-2019 to work on the development of technologies and easy to use solutions for underwater archaeological sites that can be derived by smart, hi-tech adaptations of subaerial solutions. The project idea is to establish a network of academic and entrepreneurial operators mixing: • Scientific knowledge on the development of technologies and materials for underwater usage in the cultural heritage field • Technical and market know-how about the development of underwater products and solutions • Industrial know-how about products (e.g., coatings, mortars, tools, etc.) developed for traditional subaerial usage and/or for sectors other than the cultural heritage field
Partners Sought	Type of Partners sought: • SME or larger industry • R&D Institution • University
	Specific area of activity: • Already engaged in underwater R&D / products, particularly in the field of cultural heritage
	Tasks to be performed: • Apply know-how and/or products from other sectors to underwater archaeology
Link	Full Version — RDIT20181116001
Deadline	**Internal Deadline: 01.03.2019— Call Deadline: 02.04.2019**

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Industrial Leadership

ID	**RDFR20181204001**
Call	**H2020-DT-NMBP-08-2019:** **Real-time nano-characterisation technologies**
Title	**Thin Film Composite Membranes**
Abstract	The project aims to develop tools & methods to improve the characterization of Thin Film Composite Membranes (TFCM) employed in industrial or environmental uses as gas separation, gas sensors or CO2 capture technologies. Real time characterization during fabrication process of TFCM is a real challenge for these industries. Project partners will develop technologies which will be adapted to create tools & methods ready to be installed in industrial environments and guarantee a higher and faster product quality control and quicker market introduction.
Partners Sought	Type of Partners sought: • SME
	Specific area of activity: • SMEs specialized in Membrane technologies for industrial and environmental processes (know-how, expertise, products & solutions)
	Tasks to be performed: • Joint development of the improved technologies for industrial environments
Link	Full Version — RDFR20181204001
Deadline	**Internal Deadline: 11.01.2019— Call Deadline: 22.01.2019**

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Industrial Leadership

ID	**RDES20181121003**
Call	**H2020-ICT-13-2018-2019:** **Supporting the emergence of data markets and the data economy**
Title	**Secure and trustable digital data market platforms**
Abstract	The project aims to create secure and trustable digital data market platforms that will benefit the value chain of the data economy fostering the development of new business models in different sectors. This proposed scenario will enable the data consumers (like organisms, SMEs, researchers, etc.) to access the different technologies for data analysis and data processing techniques that will provide an added value and quality. In addition, the data consumers will have the assurance that all the data complies with all the current legislation in matter of GDPR and with the consent of the data provider.
Partners Sought	Specific area of activity: • Data providers / data platform owners, legal data privacy and compliance experts, and data encryption experts Role of the partner: • **Data providers / data platform owners** will be in charge of data extraction • **Legal data privacy and compliance experts** will assure that the project complies with the GDPR (General Data Protection Regulations) • **Data encryption experts** will assure the data security and confidentiality • **Data users from different sectors** (health, energy, government, etc.) being encouraged the participation of SMEs • **ICT integrators** to gather all the project data communication modules
Link	Full Version — RDES20181121003
Deadline	**Internal Deadline: 10.01.2019— Call Deadline: 28.03.2019**

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Industrial Leadership

ID	**RDBE20181030001**
Call	**H2020-EIC-FTI-2018-2020:** **Fast Track to Innovation**
Title	**New concept and complete solution for rubber waste recycling**
Abstract	The project will aim at introducing a cost-saving and eco-friendly solution for the rubber industry by piloting and validating a novel technology that can convert rubber waste into regenerated, virgin rubber, commercialising the new material as well as marketing the technology. The project offers a new concept and complete solution for rubber waste recycling. The technology can convert rough crushed rubber waste (production scraps) or tyre crumb into high-quality, ready-to-use rubber raw materials for most rubber applications.
Partners Sought	Type of Partners sought: • SME Specific area of activity: • Great experience in producing and / or using rubber compound Tasks to be performed: • Validation and marketing of the technology • Commercialising the new material
Link	Full Version — RDBE20181030001
Deadline	**Internal Deadline: 09.01.2018— Call Deadline: 21.02.2019**

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Societal Challenges

ID	**RDUK20181210001**
Call	**H2020-CE-RUR-08-2019:** **Closing nutrient cycles**
Title	**Bio-fertiliser solutions from animal manures and crop waste resources**
Abstract	The project aims to develop an easy to operate, self-sustaining, field demonstrator reactor system, where production can be up-scaled to manufacture affordable, sustainable, enriched biochar, creating a commodity of value from potentially waste organic materials. The project wants to demonstrate the following: • Potential of scaling up production • Efficiency of farm scale equipment • Longevity and reliance of production equipment • Consistency of product quality • Environmental compliance of the process • Operability in rural areas
Partners Sought	Type of Partners sought: • SME or larger industry • R&D Institution
	Specific area of activity: • Partners from agritech and arable farming associations, also poultry farms (source for animal manure) • Manufacturers and wholesalers of crop fertilisers
	Tasks to be performed: • Help demonstrating the company's goals by testing its technology
Link	Full Version — RDUK20181210001
Deadline	**Internal Deadline: 10.01.2019— Call Deadline: 23.01.2019**

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Societal Challenges

ID	**RDFR20180219001**
Call	**LC-SC3-RES-1-2019: Developing the next generation of renewable energy technologie** **LC-NMBP-32-2019: Smart materials, systems and structures for energy harvesting**
Title	**Gallium oxide based Oxytronics**
Abstract	The objective of the PROXY consortium is to develop a solution addressing the issue of efficient energy conversion. The consortium will develop novel approaches for the fabrication of power devices/ PV cells / sensors via the adoption of a new and environmentally friendly electronics technology based on the emerging, cost effective and earth abundant element based wide bandgap (WBG) semiconductor. The consortium plans to demonstrate that novel methodologies and technologies for the fabrication of beyond state-of-the-art power devices /PV cells/sensors would also simultaneously offer both lower cost and higher performance. Design issues related to green electronic devices (on the base of non toxic material) for moving toward device miniaturization, with reducing cooling requirements (water waste) will be also taken into account. The device potential environmental impact and the potential market by designing a circular economy model will be also included in the project.
Partners Sought	Type of Partners sought: • SME and large industry Specific area of activity: • Industrial partners active in semiconductor electronics /sensor /photovoltaic (PV) Tasks to be performed: • **SME** will act as an end user testing the product • **Industrial (MNE)** to integrate into the consortium an advisory or management board member, giving guidelines and promoting the circular economy model for gallium
Link	Full Version — RDFR20180219001
Deadline	**Internal Deadline: 29.05.2019— Call Deadline: 21.07.2019**

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Eureka Eurostars

ID	**RDKR20181123001**
Call	**Eureka Eurostars 2**
Title	**Developing smart and high-quality toys**
Abstract	This company is a global leader in plush toys and high-quality gift products, and is known for its diverse offerings, and competitive pricing. It owns its manufacturing facilities. The project is aimed to develop toy industry with higher quality. The major product of this company is high-end and soft toy. With its technology of smart toy sensor packing, sensing data base algorithm engine, and contents service platform, this company is planning to develop its products with R&D partners.
Partners Sought	Type of Partners sought: • SME or larger company • R&D Institution Specific area of activity: • Partners with special technology that is applicable to toys and with ideas to develop the toy and character industry Tasks to be performed: • Development of innovative products with higher quality (research cooperation agreement)
Link	Full Version — RDKR20181123001
Deadline	**Internal Deadline: 14.04.2019— Call Deadline: 14.09.2019**

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Eureka Eurostars

ID	**RDKR20180724002**
Call	**Eureka Eurostars 2**
Title	**Photovoltaic power forecasting and control with HDR (High Dynamic Range) cameras and deep-learning algorithms**
Abstract	PV (photovoltaic) power yields improving system will be developed. This system compromises HDR (High Dynamic Range) cameras and Deep-learning algorithm. The benefit of the system is the PV power yields enhancements by recognizing sun/clouds in HDR images and manipulating the parameters of inverter software according to sun/cloud interferences. The company and research institute in Republic of Korea are in charge of developing the system. They are looking for the partners in E.U. who can do field tests, assessments and commercialization in E.U. Advantage of the system is its good performance in bad weather conditions.
Partners Sought	Type of Partners sought: • SME • R&D Institution • University Specific area of activity: • Expertise with photovoltaic energy Tasks to be performed: • Testing the technology (find test-bed site, set-up the test-bed, monitor the power yields) • Joint commercialization of this technology in the E.U. region
Link	Full Version — RDKR20180724002
Deadline	**Internal Deadline: 01.02.2019— Call Deadline: 14.03.2019**

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Technology Offer

ID	**TOFI20180419001**
Title	**Licensees for a mobile health platform sought**
Abstract	The Finnish company, established in 2012, has developed a cloud computing based patient information service for information collection, analysis and exchange between healthcare professionals and patients. The service is applicable in public and private sector health care organizations. The service is a tool for care providers and their patients in monitoring the care plan implementation. The platform/service has been tested and it has been in professional use for more than 2 years between diabetics and the nursing units as part of the patients' treatment program and it has received very positive feedback from the patients, support groups and medical organizations.
Partners Sought	Stage of Development: • Already on the market Type of Partners sought: • SME or larger company • R&D Institution Specific area of activity: • Public and private healthcare service providers Task to be performed: • Develop and expand their offering to mobile services (License agreement)
Link	Full Version — TOFI20180419001
Deadline	**Deadline: 03.05.2019**

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Technology Offer

ID	**TOCZ20171203001**
Title	**Web application for data analysis from massive parallel deoxyribonucleic acid sequencing**
Abstract	A Czech research institute has developed compact and intuitive web application enabling deoxyribonucleic acid sequencing data analysis. Massive parallel sequencing methods generate enormous amount of data and require command line based analytical tools linked to Linux, which is often limiting factor for potential users. The application uses several technologies and is divided into a client and server part. The client part is realized as a web portal enabling the recording/downloading of data and the operation of the individual tools included in the application and also the visualization and filtration of the outputs. The server part contains all application logic (encrypted connection, event notification, information about the current state of calculations and interpretation of the code based on user requirements). The server part defines the application interface with the computing cluster (authentication, monitoring, distribution of computational tasks).
Partners Sought	Stage of Development: • Already on the market Type of Partners sought: • SME or larger company • R&D Institution • University Specific area of activity: • Data analysis from massive parallel deoxyribonucleic acid sequencing Task to be performed: • Licensing the web application on the basis of a license agreement
Link	Full Version — TOCZ20171203001
Deadline	**Deadline: 06.06.2019**

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Technology Offer

ID	**TOUK20181121001**
Title	**Nanoceramic coating for light alloys, superior to anodising and plasma electrolytic oxidation (PEO)**
Abstract	A UK company has introduced novel coating for high hardness and low friction, superior to anodising or plasma electrolytic oxidation (PEO). Nanoceramic coatings are particularly useful in fast moving parts in environments with high wear or elevated temperature. These have to be wear resistant (sometimes corrosion resistant) and have low friction. The UK company's technology has successfully been implemented in machinery for weaving and packaging in parts such as shuttles, rollers, discs, guides. Also, marine and motor sport companies have started using it.
Partners Sought	Stage of Development: • Already on the market
	Type of Partners sought: • SME or large Industry
	Specific area of activity: • Manufacturers of wear-resistant parts (in sectors such as textile and packaging machinery, automotive, aerospace, food machinery, medical implants, luxury items)
	Task to be performed: • To specify manufactured parts in the UK • In the case of larger volumes to implement the technology under license and commission plant (commercial agreement with technical assistance)
Link	Full Version — TOUK20181121001
Deadline	**Deadline: 01.12.2019**

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Technology Request

ID	**TRCH20181116001**
Title	**Looking for manufacturer of metal bellows expansion joints**
Abstract	A Swiss intergovernmental organization / research centre is looking for supplier of 600 metal bellows expansion joints of internal diameters between 40 mm and 120 mm for connecting the hydraulic circuits of existing superconducting magnets. The metal bellows expansion joints will be used to connect the hydraulic circuits of superconducting magnets and will provide flexibility for installation and thermal contractions. The operating temperature spreads from 1.9 K (–272.15 °C) to ambient temperature, and the internal operating pressure from vacuum to 20 bar.
Partners Sought	Stage of Development: • Prototype available for demonstration Type of Partners sought: • SME or larger company Specific area of activity: • Partner should be active in the manufacturing and testing of metal joints Task to be performed: • Engineering design file for the expansion joints and preparation of the drawings of the expansion joints • Fatigue test campaign and procurement of all materials • Pre-series and series manufacturing • Inspection, tests and cleaning; • Quality control and associated documentation • Individual packing and shipping to Switzerland if required
Link	Full Version — TRCH20181116001
Deadline	**Deadline: 24.11.2019**

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Technology Request

ID	**TRES20180510001**
Title	**Cold end gas condenser design and manufacturing for combustion fumes heat recovery in waste-to-energy plants**
Abstract	A Basque SME is looking for partners with knowledge and experience in the design and manufacturing of cold end gas condensers for energy plants. Since internal ceramic coating in tubes is key to protect them against corrosion, the Basque SME now requires manufacturing and operation specifications in order to develop the final formulation of an advanced carbon steel tubes coating to be applied in fume heat recovery installations.
Partners Sought	Stage of Development: • Available for demonstration Type of Partners sought: • SME or larger company Specific area of activity: • Experience and knowledge in the design, manufacturing and operation of condensers Task to be performed: • Collaboration with the Basque SME in order to provide the knowledge • Define and carry out a validation procedure a competitive coating formulation so that this application can be developed
Link	Full Version — TRES20180510001
Deadline	**Deadline: 22.11.2019**

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Technology Request

ID	**TRBE20181114001**
Title	**Sensors for healthy microbial monitoring in indoor environments**
Abstract	A Belgian multinational active in consumer goods is looking for sensors (developed or under active development) for accurate monitoring of home /building or car environments for significant levels of harmful microbes, in combination with machine learning algorithms. A growing number of companies are launching air quality monitoring devices aimed to the home consumer, with the stated intent of helping them manage their air quality. Many of these home sensors suffer from poor accuracy, inability to distinguish between particle types (e.g., dust, pollen, pet dander, etc.), and the lack of a mechanism to take corrective action. The suggested solution has to be already developed or there must be a clear proof that the solution is under active development.
Partners Sought	Stage of Development: • Already on the market Type of Partners sought: • SME or large industry • R&D Institution Specific area of activity: • Sensors, indoor monitoring, machine learning algorithms Task to be performed: • Collaborate with the large account for technical collaboration or provide the technical solution sought under licence agreement
Link	Full Version — TRBE20181114001
Deadline	**Deadline: 01.02.2019**

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