


HORIZON 2020

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|  <u>EXCELLENT SCIENCE</u> | 1 offer |
|  <u>INDUSTRIAL LEADERSHIP</u> | 2 offers |
|  <u>SOCIETAL CHALLENGES</u> | 1 offer |

PARTNERSEARCH OFFERS FOR EUROPEAN PROJECTS


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|  <u>EUREKA</u> | 2 offers |
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PARTNERSEARCH FOR TECHNOLOGY COOPERATION

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|  <u>Technology Offer</u> | 3 offers (3 new) |
|  <u>Technology Request</u> | 3 offers (3 new) |




Excellent Science

ID	RDES20190122001	
Call	FETOPEN-01-2019: FET-Open Challenging Current Thinking	
Title	3D cell culture model of the female reproductive system	
Abstract	<p>Endometriosis, uterine infections and hormonal problems are reproductive disorders that impair fertility in human and other animal species. Infertility negatively affects health and welfare and carries severe economic losses to livestock up to 1.4 billion €/year just in EU.</p> <p>The project will develop a 3D cell culture model of the female reproductive system (human, bovine, porcine and dog) from last updates in the field.</p> <p>This proposal will provide alternatives to animal testing, increase the efficiency of treatments for female infertility –including human- and improve animal production.</p>	
Partners Sought	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> SME 	
	<u>Specific area of activity:</u> <p>Expertise in:</p> <ul style="list-style-type: none"> Nano-systems for 3D cell culture Diagnostic tool development Medical Technology / Biomedical Engineering 	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> Collaborate in the 3D cell culture model of the female reproductive system 	
Link	Full Version — RDES20190122001	
Deadline	Internal Deadline: 02.05.2019 — Call Deadline: 19.09.2019	




Industrial Leadership


ID	RDIT20190226001	
Call	EIC-FTI-2018-2020: Fast Track to Innovation	
Title	Electric jet propulsion platform for the nautical world	
Abstract	<p>The aim of the project is to create the first electric jet propulsion platform for the nautical world.</p> <p>The platform is based on an electric engine and will be designed in a scalable way, so it will be available for recreational boating and commercial boating. Eight prototypes have been tested in water, at the moment the company is designing and finalizing the prototype n°9.</p> <p>The new propulsion platform proposed fits into this context and combines the advantage of an electric motorization with the advantage of a jet propulsion. Both technologies are combined in the new platform, becoming a single propulsion device.</p>	
Partners Sought	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> • SME • R&D Institution • University <p><u>Specific area of activity:</u></p> <p>First partner:</p> <ul style="list-style-type: none"> • Expertise in smart battery packs building, with CAN (Controller Area Network) bus • Active BMS (Battery Management System) • Smart remote control for usage/malfunction battery informations <p>Second partner:</p> <ul style="list-style-type: none"> • Expertise in EV-HEV-PHEV (Electric Vehicles, Hybrid Electric Vehicles, Plug-in Hybrid Electric Vehicles) design • Expertise in inverter/driver brushless motor control • Expertise in Vehicle Control Unit developments 	
Link	Full Version — RDIT20190226001	
Deadline	Internal Deadline: 01.04.2019 — Call Deadline: 23.05.2019	



Industrial Leadership


ID	RDFR20181220001 
Call	SME-Instrument-Phase 2
Title	Innovative dry-vermicomposting toilet
Abstract	<p>The project is aiming at developing dry toilets integrated into storey buildings with the possibility to transform waste into agricultural resources.</p> <p>This new technology is environmental friendly and meets the challenges related to Global Warming and water scarcity, in particular in urban area. Indeed, these innovative toilets don't use water, artificial chemical, and are energy saving (very few power is needed).</p> <p>Moreover, this technology meets the challenges related to waste management: faecal matters are transformed into resources for urban agriculture and gardening, avoiding the use of chemical fertilizers.</p>
Partners Sought	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> SME <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> Private laboratory or company with skills and deep experience in microbiology Company in the field of urban agriculture with skills in agronomy <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> Raise current technological bolts in the field of the valorisation of faecal matter Work on health issues, conservation and nutritional quality
Link	Full Version — RDFR20181220001
Deadline	Internal Deadline: 20.03.2019 — Call Deadline: 03.04.2019

Societal Challenges

ID	RDES20190219001	
Call	LC-BAT-2-2019: Next-Generation Batteries	
Title	Salt based conversion batteries for superior electric energy storage	
Abstract	<p>The SaltPower project aims at developing, improving and producing highly performing innovative sodium metal batteries, using cheap starting materials. The technology has already achieved TRL4 level, and will reach TRL6 at the end of the project.</p> <p>The project results will provide/facilitate the development and production of highly performing NaCl-based batteries, with high round-trip energy efficiency, low battery cost, using cheap, widely available raw materials.</p>	
Partners Sought	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> SME or larger company <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> Companies active in the battery recycling sector Experience and know-how in the field of the recovery and recycling of metals (Cu and Al, mainly) and salts (boron-containing) from batteries <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> Recovery and recycling of metals and electrolyte salts from batteries (economic, safety, environmental, and life cycle analysis) 	
Link	Full Version — RDES20190219001	
Deadline	Internal Deadline: 20.03.2019 — Call Deadline: 03.04.2019	




Eureka Eurostars



ID	RDKR20190225001	
Call	Eureka Eurostars 2	
Title	Inspection and laser utilization device	
Abstract	<p>The project aims to develop and improve inspection device, optic device, and carbon compound material technologies.</p> <p>The company has excellent total laser technologies. These technologies have superior performance with laser, such as display defect searching, flexible OLED laser lift, etc., and have high precision, applicability to various substrate size, full production process automation, and short tact time.</p>	
Partners Sought	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> • SME • R&D Institution • University <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> • Experts with experience in laser related technologies or inspection devices <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> • Joint development of a laser source, a next-generation treat mechanism process, a real-time, multi-touch synchronized control system and a next-generation optic/vision system 	
Link	Full Version — RDKR20190225001	
Deadline	Internal Deadline: 14.08.2019 — Call Deadline: 14.09.2019	



Eureka Eurostars


ID	RDTR20190121001	
Call	Eureka Eurostars 2	
Title	Bee Hive Sensing for predicting the risk of colony collapse	
Abstract	<p>The aim of the project is to develop a technology for remotely controlling all hives by using a smart phone application.</p> <p>Within the system, beacon based sensors are placed in the bee hives to monitor hive weight, temperature, humidity and sound, on a continuous basis. The graphic interface of bee hive monitoring is easy to interpret and is "user-friendly".</p> <p>Furthermore, the humidity and temperature will be able to be controlled remotely to maximize possible alternative essential oil Varroa mite treatments and to boost brood production in the early spring months. All of the continuous data collection and remote controls of the hives will be displayed on one smart phone application. Data collection will be uploaded to the smart phone continuously using already existing cell phone network technology.</p>	
Partners Sought	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> • SME or larger company • R&D Institution • University <p><u>Specific area of activity and tasks to be performed:</u></p> <ul style="list-style-type: none"> • Cloud System Designer for IoT applications and phone applications (IOS and Android) • Drug producer for beehives against varroa, nosema,...etc 	
Link	Full Version — RDTR20190121001	
Deadline	Internal Deadline: 30.04.2019 — Call Deadline: 03.06.2019	

Technology Offer



ID	TOIT20190307001		
Title	Patented method for dental pulp cryopreservation		
Abstract	<p>A leading Italian public medical research centre committed to healthcare and translational medicine has patented an innovative, simpler and cheaper method for cryopreserving dental pulp in order to isolate stem cells after cryopreservation.</p> <p>The innovative method is cryopreserving directly the tooth with its dental pulp stem cells. It ensures good results in terms of post-thawing recovery percentages and of vitality and proliferative capacity of the cells.</p>		
Partners Sought	<u>Stage of Development:</u> <ul style="list-style-type: none"> Available for demonstration 		
	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> SME or larger company R&D Institution 		
	<u>Specific area of activity and tasks to be performed:</u> <ul style="list-style-type: none"> Healthcare industrial partner focused in biobanking and regenerative medicine sectors interested in licensing the technology for further commercialization in relevant market Industrial partner or R&D institution for further co-development and new applications of the innovative method 		
Link	Full Version — TOIT20190307001		
Deadline	Internal Deadline: 11.03.2020		

Technology Offer



ID	TOBG20190305001	
Title	Super-macroporous hydrogel carriers	
Abstract	<p>A Bulgarian research organization has developed a facile technology for fast fabrication of super-macroporous hydrogel (cryogel) carriers of various bioactive substances. The materials are spongy-like water-based gels, comprising biocompatible, biodegradable and/or stimuli-responsive polymer network and embedded bioactive substances.</p> <p>The technology described is more convenient as compared to the commonly exploited redox-system method and allows faster and better controlled synthesis of cryogel carriers.</p>	
Partners Sought	<u>Stage of Development:</u> <ul style="list-style-type: none"> Available for demonstration 	
	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> SME R&D Institution University 	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> Producers of pharmaceutical, medical and/or biotechnological products 	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> Develop innovative products based on the technology (commercial agreement with technical assistance) 	
Link	Full Version — TOBG20190305001	
Deadline	Internal Deadline: 12.03.2020	


Technology Offer

ID	TOAT20170907001		
Title	Tailor-made vibration damping technology		
Abstract	<p>An Austrian SME developed a novel composite material (steel structure filled with special concrete) with excellent vibration damping properties. It is adjustable to individual client needs. For many new machining centers it significantly improved machining accuracy, enhanced tool life (up to 20% decrease in tool consumption), increased processing speeds (e.g. 20% reduced grinding times) and lowered noise emission.</p> <p>The system has proven its advantages in many different applications especially in Austria, Germany and Switzerland for more than 5 years and has been improved and adapted to suit even the most challenging applications.</p>		
Partners Sought	<p><u>Stage of Development:</u></p> <ul style="list-style-type: none"> Already on the market <p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> SME or large company R&D Institution University <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> Developers and/or manufacturers of machine tools, machining centers, industrial robots, industrial testing technology R&D institutions, universities with a research focus on thermal stability of machine tools (thermal simulations etc.), or development of alternative filling compounds <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> Technical cooperation partners: The SME offers FEM (finite element method) analysis, design, engineering, and assembling of the system according to client requirements Research cooperation partners: Enter into new R&D projects for funding programmes 		
Link	Full Version — TOAT20170907001		
Deadline	Internal Deadline: 05.03.2020		





Technology Request



ID	TRNL20190307001	
Title	Sustainable packaging concepts for fresh fruits, vegetables and mushrooms	
Abstract	A major Dutch supplier and distributor of a fresh, year-round assortment of fruit, vegetables and mushrooms to (international) supermarkets and wholesalers is looking for new, sustainable and environmentally friendly packaging concepts.	
Partners Sought	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> SME or larger company R&D Institution University 	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> Suppliers and developers of (biobased) packaging and packaging design agencies 	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> Development, application and implementation of new, sustainable and environmentally friendly packaging concepts, technologies and solutions Manufacturing of new, sustainable and environmentally friendly packaging 	
Link	Full Version — TRNL20190307001	
Deadline	Internal Deadline: 11.03.2020	


Technology Request

ID	TRES20190307001		
Title	Test bench for high strain rate characterization of plastic/metallic/foam/composite materials		
Abstract	<p>Spanish technology centre working in the development of solutions for transport and energy is looking for a provider of materials testing machines.</p> <p>The product requested is a servohydraulic high strain rate testing system, with a window allowing strain measurement by digital image and an optional coupled climatic chamber.</p> <p>This new facility is aimed at expanding the research and knowledge capabilities of the centre.</p>		
Partners Sought	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> SME or larger company <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> A company provider of dynamic materials (plastic/metallic/foam/composites) testing machines <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> Provide the test bench and instructions for its proper use (commercial agreement with technical assistance) 		
Link	Full Version — TRES20190307001		
Deadline	Internal Deadline: 12.03.2020		



Technology Request



ID	TRFR20190227001	
Title	Looking for scientific expertise in soy fermentation	
Abstract	<p>A French start-up specialised in the development of culinary aids for professionals and restaurateurs is looking for scientific expertise in the field of soy fermentation in salted environment for new developments.</p> <p>The expert should have a sound knowledge of salted fermentation processes of soy whether in brine or yeast in order to ensure and maintain a constant quality and taste.</p>	
Partners Sought	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> R&D Institution University 	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> Public academic or research institute with expertise in salted fermentation of soy 	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> Assessing the process, providing scientific data on fermentation (technical cooperation) 	
Link	Full Version — TRFR20190227001	
Deadline	Internal Deadline: 07.03.2020	