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TechMatch is a free information service, which includes a selection of technologies within Food, Agriculture, Environment and Energy which are offered and requested by companies in Europe. The service also provides information on relevant fairs and matchmaking events.

The aim of the publication is to promote cross border trade and co-operation.

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**Remember to quote the reference number of the profile you want to know more about!**

You are also welcome to contact us if you wish to promote your new technology in other European regions.

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Healthy drink of wine and hops
(Ref: 12 ES 28G2 3OYE)
A public research organization, a university and a public hospital from Spain have developed a functional drink combining de-alcoholised wine and a hops extract enriched in isoxanthohumol. It shows multiple in vitro and in vivo (in rats) bioactivities: antioxidant, anti-inflammatory and triglyceride control. Moreover, its organoleptic properties are similar to that of wine, especially its aroma. Companies for further (co) development are sought and patent licence is offered.

System for packaging minimally processed fresh vegetable products
(Ref: 12 ES 29h4 3POJ)
Scientists from a Spanish Research Centre have developed a packaging system for minimally processed vegetable products which allows extending the duration of products such as fruit and vegetables, maintaining their initial properties. The system comprises a laminar wrapping with certain permeability to gases, which produces in the interior an inert modified atmosphere. The centre offers license agreements and technical cooperation agreements to companies working in this sector.

Innovative technology for production of food supplements from dry brewer's yeast
(Ref: 12 LT 57AB 3POS)
A Lithuanian manufacturer of food products and food supplements is looking for an innovative technology for adding various microelements and other additions to products of dry brewer’s yeast, in order to create a new product line of food supplements. The company is interested in technical cooperation.

Milk-protein-Pectin-Starch stabilising systems
(Ref: 12 PL 62AQ 3PBS)
A Polish enterprise developed a technology to produce stabilising systems for production of dairy products. The advantage of the offer is the complex of the active agents which work together and have technological properties greater than the sum-total of individual substances. The technology can be used in food the sector for production of fermented dairy products, fruit drinks, sauces, etc. The company is looking for industrial partners to cooperate within commercial agreement.

Modified-atmosphere packaging for fish fillets
(Ref: 12 GR 49Q1 3POH)
A Greek fish farm producing sustainable-harvested and organically farmed sea bass and sea bream is looking for novel methodologies for modified-atmosphere packaging of fish fillets. They are seeking to collaborate with a partner with relevant expertise who can work with them to identify the best solution for their product through a technical or commercial agreement.

Ready-to-use growth media from dairy bulk starters production
(Ref: 12 PL 62AQ 3PBM)
A medium Polish enterprise has developed the technology of manufacturing ready-to-use growth media and activators for culturing of bulk starters. The advantage of the offer is that optimum conditions for the development and concentration for milk bacteria are assured. The technology can be used in dairy sector for production of hard cheese, tvarož and cottage cheese. The company is looking for industrial partners to cooperate within the commercial agreement with technical assistance.

Italian Dietary company looking for food producers to implement a low calorie diet protocol
(Ref: 12 IT 52T3 3PFU)
Italian Dietary company from Piedmont Region (North West of Italy) specialized in production and distribution of protein dietetic products is looking for food producers able to manufacture fine food products (bread, pasta, rice, soup, drinks, etc.) according to its low calorie diet protocol. The protocol ensures metabolic balance for care and prevention of diabetic diseases and other pathologies such as obesity and overweight.

Packaging solution for salad leaves and flowers
(Ref: 12 GB 46PS 3PC6)
A small Scottish SME is looking for innovative solutions for the display packaging of its salad products which will provide maximum protection for delicate salad leaves and give maximum shelf life. They are seeking to collaborate with a partner who has experience in providing packaging for fresh produce who can work with them to identify the best solution for their product.
Ice cream production technology allowing quick formation and melting time delay
(Ref: 12 PL 62AQ 3PBR)
A Polish company developed a production technology for different types of mixes for home-made and industrially produced ice creams. The advantage of the offer is that the mix replaces the dry milk and stabilising components used in ice-cream production what results in the melting time delay. The technology can be used in the food sector for ice-creams production. The company is looking for industrial partners to cooperate with commercial agreements with the technical assistance.

Sustainable ways of drying herbs for culinary use
(Ref: 12 GB 46P5 3PC7)
A small Scottish SME which produces herbs for culinary use is seeking sustainable solutions for drying herbs which will ensure a good quality product with a maximum shelf life. They are looking for partners who have developed a process or product which could be adapted for their needs.

Application of a non-invasive fluorescence-based sensor for the control of fruit quality
(Ref: 12 IT 55W6 3PCV)
An Italian research centre gathered large experience in the application of a non-invasive optical sensor, based on the measurement of chlorophyll fluorescence, to control fruit quality. Ripening of winegrape was followed directly in the field detecting the accumulation of phenolic compounds such as flavonoids and anthocyanins. Quality of other fruits was monitored in post-harvest. It is looking for partners for common RTD projects and SME interested in testing the devices.

Vibro-resonance Beetroot Washers
(Ref: 12 UA RE05 3PJE)
A Ukrainian company has developed a technology for a speeded up washing of sugar beet. Vibro-resonance washers were created and tested under industrial conditions. The proposed technology enables to reduce the time of washing the beet and the losses of sugar in wash water by dozens of times. A working installment is available. The authors are looking for partners for introduction of the technology in other sites and regions. Possible engineering, license selling etc.

Decontamination of milk from radioactive substances
(Ref: 12 IT 52T3 3P8I)
The Veterinary Association Team of Biella located in the north-west of Italy, (Piedmont Region), experimented an innovative process for the decontamination of milk from radioactive substances. After a long period of studies and research implemented by the team, the Association developed a new method of milk’s decontamination without reducing food’s nutritional properties. The team offers its expertise to provide their cost-efficient methodology for test applications on other dairy products.

New or superior ingredients for instant food
(Ref: 12 GB 4103 3PMB)
The UK branch of a large European food products company makes ingredients for home cooking such as sauces, stock cubes, seasoning etc. They are looking for ingredients that will allow for easier making and superior sensorial quality of instant food. The nature of the agreement will depend on the stage of development. The company can access global markets.

Plasma sterilisation of spices and herbs
(Ref: 12 DE 1380 3POD)
A German institute specialised in microwave plasmas has developed processes for surface sterilisation of spices and herbs applicable on industrial level. Plasma sterilisation relies on dry processes without usage of dangerous or even toxic substances, providing inactivation of micro-organisms by several orders of magnitude while maintaining flavour and taste of spices and herbs. The institute is looking for industrial partners for technical co-operation.
Method for the characterization and identification of materials with photovoltaic properties
(Ref: 12 ES 28G2 3PBN)
A Spanish Research Institute in collaboration with a Spanish University has developed a method for determining a photocatalytic reaction, the photovoltaic properties of solid materials capable of acting as light absorbers in photovoltaic devices, which has applications in the energy sector and more specifically in the renewable energy sector. Partners interested in a patent license and in the exploitation of the existing know-how are being sought.

New Solutions in Photovoltaics (PV) and Building-Integrated Photovoltaics (BIPV)
(Ref: 12 DK 20B7 3PAI)
A Danish company, Scandinavia’s largest company within the field of building integrated solar modules which produce electricity, is interested in solutions which move the current PV and BIPV technology towards cheaper, smarter or more effective global solutions. This applies both to own as well as others’ products and includes new types of installation methods and systems, new ways to simulate, mock-up or prototype solutions, service innovations and technologies.

Tidal stream turbine rotor
(Ref: 12 IE 51S6 3P5A)
A group of Irish inventors has developed a tidal stream turbine rotor which achieves up to twice the Power Coefficient of state of the art turbine rotors. The rotor converts the Kinetic Energy of moving water into useful power such as electricity or mechanical energy up to twice the state of the art efficiency. The company are seeking partners for licence agreements.

Solar cooling & Heating system
(Ref: 12 KR 9A9E 3PEB)
A Korean company which is specialized in Solar cooling and Heating system has developed hybrid applied technology that combines single vacuum tube solar thermal collector capable of high temperature generation with absorption refrigeration system. It maximizes energy reduction by being capable of air-conditioning, heating, and hot water supply all at once. The company is looking for industrial partners for Joint Venture, Technical Cooperation, and Commercial Agreement with Technical Assistance.

Vortex turbine for wave energy system
(Ref: 12 IE 51S6 3PDJ)
An Irish wave energy company have developed a wave technology that produces very large amounts of water with no ‘head’ (no pressure) but lots of kinetic energy. The company require a vortex turbine technology to convert the kinetic energy source to electricity. The company are seeking a partner operating in this space that could design and produce this turbine, preferably one with numerical analysis and/or simulation ability. Any mutually beneficial partnership arrangement would be considered.

Gel technology for a double photovoltaic (PV) panel lifetime
(Ref: 12 CZ 0744 3PC9)
A small Czech company with a long tradition in the development of solar devices offers an encapsulant of silicone elastomers based on low molecular weight siloxane rubber. The developed technology is suitable for production companies producing collectors for PV plants and Czech solar company is the only owner of the worldwide license of this technology. The main advantage is a price reduction, double energy payback ratio and a big reduction of environmental pollution. Suitable for large PV plants.

New stable photosensitizers for dye-sensitized solar cells
(Ref: 12 IT 54W2 3P5J)
A research group from a leader Italian University has investigated and patented new original components for the dye-sensitized solar cell (DSSC) technology, a low-cost, thin film photovoltaic technology. The finding includes a new family of photosensitizers which have superior stability compared to conventional sensitizers. The research group is looking for technical partners for further development and testing of the patented photosensitizers in photovoltaic panels for different applications.

Concentration solar parabolic system for gaining thermal energy from the Sun
(Ref: 12 CZ 0746 3P6R)
A Czech developer has designed and constructed a concentration parabolic system with tracking regime and output of 2.5 kW using reflection of incoming Sun’s radiation from reflection parabolic surface into the dish focus, thus concentrating energy. The technological device gains thermal energy for utilization in low-energy family houses or smaller businesses in the form of warm accumulated water. The developer seeks to find a partner for joint further development, production and marketing.
LED Light Tiles Suitable for Consumer Lighting
(Ref: 12 GB 46P4 3PIL)
A Scottish SME which has developed and patented light guides with integral Light Emitting Diodes (LEDs) seeks technical co-operation with Luminaire design companies to develop high value luminaire products for the consumer market. The unique and versatile LED light tiles allow the creation of innovative new lighting products with a “bulbless lamp” design.

Unique glass application for solar panels allows for utilization of sun rays all year round
(Ref: 12 SE 6721 3P38)
A Swedish SME has created a unique innovation for maximizing the capacity of solar panels during winter time. The product melts snow/ice covering solar panels during winters; which is a significant problem hindering the usability of solar panels in countries with harsh winter climates. The product has a patent pending, is CE-certified and tested for Nordic climate. The company is looking for an established manufacturer who can produce this unique glass application of solar panels.

Automatic vertical axis wind turbine for mobile application, house and smart grid
(Ref: 12 SK 69CT 3PKF)
A private inventor from Slovakia has developed fully automatic vertical axis wind turbine (VAWT). A simple mechanism controlled by microprocessor allows to change the rotation radius of blades during operation and so to regulate the turbine power according to external requests. The inventor is interested in future technical cooperation to adapt the technology to specific needs or in licence agreements.

Innovative transmission system to improve efficiency of wind turbines
(Ref: 12 GB 43O3 3PKQ)
A UK SME has developed a transmission system to improve efficiency of wind turbines that offers maximum efficient transmission and torque. The technology could potentially replace 2 geared wind turbine transmissions, thereby delivering maximum power from the rotor blades to the generator at any wind speed and at peak efficiency. The developer is seeking technical cooperation with partners in the wind turbine sector and opportunities for investment.

Gold catalyst support for Dihydrogen (H2) generation that reaches a 100% Carbon Monoxide (CO) conversion
(Ref: 12 ES 27F4 3PL1)
Spanish public research organisations have developed a new gold catalyst for the Water Gas Shift Reaction (WGSR) useful for the production and/or purification of Dihydrogen (H2) for applications in fuel cells. It is a catalyst capable of working at low temperatures in the range in which the reaction is thermodynamically more efficient. It has a high stability and easy of regeneration. They look for license and technical cooperation agreements.
“Invisible” solar thermal collector for facades with custom-coloured surface
(Ref: 12 AT 0102 3PN8)
An Austrian research organisation has developed a solar facade collector for thermal energy production during a Eureka project. Advantages are a customized surface using different natural or coloured sands (energy efficiency of up to 70%) or using semi-transparent printing foils. Large parts of the facade can be used without affecting the aesthetic appearance of the building. They are looking for licence, investment, technology, manufacturing and demonstration partners.

Chlorine-free electrolyte synthesis in lithium ion batteries
(Ref: 12 DE 0855 3POW)
Scientists at a German university developed a new process to manufacture difluoro-oxalattoborat (LiDFOB) to be used as an electrolyte in lithium-ion batteries. The process is chlorine-free and leads to longer electrode life in the battery. The process has been lab-tested. Industrial licensees are sought.

Biorefinery technology sought for processing of algal biomass
(Ref: 12 NL 60FI 3PR8)
A Dutch SME is looking for biorefinery technology to process algal biomass. It is expected that in a sustainable economy algae play a more and more important role (capturing CO2, treating wastewater, processing manure), resulting in a good supply of algal biomass. The SME is looking for different technologies for processing different types of algae and extracting different compounds. Both a licensing opportunity and technological collaboration are welcomed.

Searching for innovative solutions for hydrogen storage
(Ref: 12 BE 0427 3PKE)
A Belgian SME, based in Flanders, active in the hydrogen internal combustion engine technology, is looking for innovative solutions for storage and easy release of hydrogen. The company is looking for technical cooperation with companies or research groups with a short time-to-market solution (2 years).

Ethiopian mustard (Brassica carinata) variety for biodiesel and lignocellulosic biomass production
(Ref: 12 ES 27F4 3PN3)
A Spanish research group registered a new plant variety of Ethiopian mustard (Brassica carinata) suitable for biodiesel and biomass production under autumn-sowing conditions in areas of mild winter. The variety has an increased seed and oil production relative to other varieties and is resistant to high temperatures and drought thus being suitable for its growth in marginal lands avoiding potential competence with food crops. They seek seed, biodiesel and biomass companies for license agreements.

Turbines which function below 100°C for electricity generation using refrigerant gas
(Ref: 12 AT 0108 3PRG)
An Austrian plant and mechanical engineering company active in the planning of energy generating systems is seeking a manufacturer or supplier of turbines which can be operated in temperatures below 100°C. The turbines will be used with refrigerant gas for the generation of electricity from renewable sources such as thermal energy using the Organic Rankine Cycle (ORC).

Process chain for the production of renewable raw materials from microalgae
(Ref: 12 DE 1699 3P7L)
A German research institute has developed a process chain that designs, builds and tests a unitised photo-bioreactor for various microalgae suspensions and to integrate the reactor with renewable resources as well as energies as much as possible. Partners are sought for knowledge transfer and for further development in a technical co-operation scheme.

Building Integrated Photovoltaic (BIPV) System with innovative fixing technology for roof panels
(Ref: 12 GB 43O3 3PKX)
A UK SME offers an innovative Building Integrated Photovoltaic (BIPV) system using a patented fixing technology. The technology allows steel plates to be assembled on a roof without any loose pieces to close the seam. It also offers an easy and practical fixing system thereby allowing fast installation. The developers seek partners for commercial agreements with technical assistance and licensing.
LED Light Tiles Suitable for Consumer Lighting  
(Ref: 12 GB 46P4 3PIL)

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Technology for forming an absorption layer for the production of CIGS thin film solar cells, and selenium vapor deposition and selenium forming for the formation of CIGS absorption layers  
(Ref: 12 KR 9A9C 3PTC)

Korean government funded research institute has developed the technology which enables the use of selenium after forming a precursor to form the CIGS (Copper indium gallium selenide) absorption layer by making use of selenium for implementing low-cost production and mass production of the CIGS thin film solar cell, with easy design of large size, excellent repetitiveness and no toxic gas. The institute is looking for partners for licence agreement, testing and adaptation to specific needs.

Unique glass application for solar panels allows for utilization of sun rays all year round  
(Ref: 12 SE 6721 3P38)

A Swedish SME has created a unique innovation for maximizing the capacity of solar panels during winter time. The product melts snow/ice covering solar panels during winters; which is a significant problem hindering the usability of solar panels in countries with harsh winter climates. The product has a patent pending, is CE-certified and tested for Nordic climate. The company is looking for an established manufacturer who can produce this unique glass application of solar panels.

Yeast based alpha-galactosidase enzyme: A highly stable and efficient enzyme with wide pH and temperate range  
(Ref: 12 ES 24D8 3PSR)

A Spanish university has developed a new technology for obtaining alpha-galactosidase enzyme able to break down complex sugars into simple sugars. Enzymes like this are traditionally manufactured in bacteria. This procedure uses yeast to cheaply and efficiently produce a highly stable version of the enzyme. This technology is applicable in food and bio fuels processing. The university would like to sign a licence agreement.

Enhanced cellulase performance for the production of bioethanol  
(Ref: 12 GR 49Q8 3PRL)

A highly experienced laboratory from a Greek University has revealed the mechanism of a certain enzyme boosting the efficiency of a mixture of cellulases for the production of bioethanol. The laboratory is looking for industrial partners interested in further development and in companies for testing of new applications.

Small wind power system for industrial use  
(Ref: 12 KR 9A9E 3OP8)

A Korean company has developed a small wind power system. The generated power from wind is saved in a battery, which can be used further to run various electronic components (fe: LED light). The technology is designed for wind turbine system to improve efficiency and achieve inexpensive cost. The company is looking for industrial partner for technical cooperation and manufacturing agreement.
Development of a binder to produce thermal insulation panels from agricultural raw materials
(Ref: 12 FR 38m5 3PCL)
A French project leader is looking for a binder to produce a thermal insulating panel based on agricultural product. The material must be able to bind straw and/or corn cobs and/or grain bark. Ideally it will be an ecological material with thermal insulation properties. It can be a thermo binder, self binder, composite material. The project leader is looking for a license or manufacturing agreement, or commercial agreement with technical assistance.

Cost effective, compact, non odour producing waste water treatment plants (requiring no special discharge or sewer infrastructure)
(Ref: 12 GB 46P4 3PO7)
A Scottish company has an award-winning drinking water processor and range of package waste water treatment plants, which are already operating in sensitive environments in the UK and around the world. These overcome the difficulty and high costs of providing water services, particularly in rural areas. Makes waste water cleaner than local natural water for return to nature or reuse. The company seeks partners for technical cooperation which would invest and set up plant in key markets.

Mobile agricultural meal blender and dispenser
(Ref: 12 IE 51S6 3PPC)
An Irish engineering company specialising in products for the equestrian sector, have designed, developed and manufactured a novel mobile product that blends, stores and dispenses animal feed, thus creating large savings in terms of time and expense for the livestock industry. As the product is not part of the company’s core market focus they wish to partner with a suitable partner interested in acquiring their product for manufacture through license or other suitable partnership arrangement.

Use of bioflavonoids as a replacement for copper in pig diets
(Ref: 12 GB 46PS 3PL2)
A Scottish company is developing the use of bioflavonoids in pig feed to reduce the current high level of copper and zinc in the diet fed to young pigs. They are looking for partners, either research establishments or SMEs involved in the animal feed/health industry who can carry out field trials with a view to potential joint further development.

Innovative Solar Water Heater
(Ref: 12 GB 39n3 3PRQ)
A UK Research Institute has developed a cost effective passive solar water heater designed for pre-heating domestic hot water. The patent pending system is a completely novel in both operation and installation. Its key advantage is that economic payback is much better than other solar water heaters (due to lower cost of installation and manufacture). Partners are sought for joint further development to lead to full commercialisation. Various collaboration arrangements are possible.

Benign, Intelligent Pest Control Technology
(Ref: 12 GB 403U 3PA9)
A South East UK University have developed a non-toxic, inexpensive attractant based on floral odours which attracts many Lepidopteran pest species. The chemicals used are available in bulk quantities and stable under high temperatures. The University are looking for a partner in the pest control sector to jointly develop and commercialise the attractant. Collaborative R&D and exclusive and non-exclusive licensing interactions are offered too.

A method for collecting animal excrement
(Ref: 12 BE 0324 3PK6)
A Belgian inventor developed a method for collecting animal excrement and separating them from the urine. The invention allows the recycling and the use of excrement as materials for heating. The inventor is interested in license agreement, technical cooperation and joint venture.

Electrokinetic or electromagnetic breakdown of the cell structure of grass silage
(Ref: 12 IE 51S6 3PHO)
An Irish SME is seeking an electrokinetic disintegration system as used in biogas and wastewater treatment plants. The company focuses on micro scale anaerobic digestors to produce methane to generate processes to heat water. The technology should be fully developed.
Agriculture & Environment

**Development of Natural Anti-Bacterial and Anti-Parasitic Feed Additives for Fish and Shrimps**
*(Ref: 12 IL 80EP 3PSD)*

An R&D Israeli company, which supplies health management products to the aquaculture industry, has developed an innovative, natural anti-bacterial and anti-parasitic feed additive. The use of natural compounds in place of antibiotics and chemicals will lead to a significant reduction in fish diseases and mortality, thereby increasing cultivation productivity. The company is looking for an industrial R&D partner to further develop and test this innovative bio-additive.

**Fat, oil and grease control technology for wastewater**
*(Ref: 12 NL 60FI 3PH1)*

A Dutch SME offers a technology that reduces odor and improves fat, oil and grease degradation for use in pumping stations and sewer line maintenance. The technology contains rugged, semi-submersible cylinders that slowly dissolve and releases microbes and enzymes that break down the organic contaminants in common food preparation wastewaters and domestic water. The company offers a commercial agreement with technical assistance to companies with knowledge of sewer networks and/or grease trap.

**Innovative and energy effective water treatment technology for the evaporation of process liquids with a high concentrations of salts**
*(Ref: 12 NL 60FI 3PBX)*

A Dutch SME has developed a technology that enables to concentrate salt brine streams up to crystallization level. This system can be used to concentrate salt process streams into crystals and condensate out of RO units, Ion Exchange installations, frac water out of shale gas production. The company is offering a commercial agreement with technical assistance to companies active in waste water, drink water and oil & gas and chemical industry.

**Automated Oxygen Consumption Measurements**
*(Ref: 12 DK 2087 3PUC)*

For +10 years a Danish company has developed and exported unique systems for automated oxygen consumption and production measurements in aquatic organisms. With fiber optic oxygen sensing, real-time temperature compensation and intermittent respirometry techniques, the comprehensive product line offers science and industry unbeaten accuracy and temporal resolution in a controlled environment. The company is looking for partners for technical cooperation and commercial agreements.

**Sewer network H2S reduction technology**
*(Ref: 12 NL 60FI 3PCI)*

A Dutch company is offering a technology based on a liquid blend of preselected, adapted phototropic micro organisms for use under anoxic or anaerobic conditions to solve odour and corrosion issues due to Hydrogen Sulphide (H2S) emissions. It is formulated for use in sludge, compost, contaminated soils and wastewaters to suppress odour and enhance biodegradation where oxygen is of limited availability. The Dutch company is offering commercial agreement with technical assistance.

**Improvement of the nutritional value of plant foods by the use of enzymes phytases**
*(Ref: 12 ES 28G2 3PJ5)*

A Spanish public research institution has developed a new phytase enzyme with high activity and high specificity for phytate in plant foods. Phytic acid and phytate salts have a high capacity of binding minerals as iron, zinc and calcium, difficulting their absorption. The bioavailability of the minerals can be improved through the use of this enzyme phytase, thus increasing the nutritional value of foods. Technology concept is available for license.

**Alternative Landfill Daily Cover Material**
*(Ref: 12 LV 58AD 3PJV)*

Latvian NGO engaged in waste management is looking for alternative landfill daily cover material that could be placed or spread on the surface of the solid waste disposal cell active area. The organization is looking for companies that can offer biodegradable or alternative daily cover (ADC) material which can be useful at waste disposal sites in Latvia. The company is looking for commercial agreement with technical assistance.

**Sludge reduction technology for wastewater treatment plants**
*(Ref: 12 NL 60FI 3PCG)*

A Dutch SME is offering a sludge reduction technology for industrial and municipal wastewater treatment plants. The technology is based on microbial degraders that efficiently convert incoming organics to carbon dioxide rather than the additional cell mass. It also contains a combination of enzymes selected for their ability to break down a broad range of substances encountered in domestic wastes and sludges. The company is offering a commercial agreement with technical assistance.
Nutrient Recovery from Anaerobic Digestate/Filtrate and Animal Slurry
(Ref: 12 GB 39n3 3P65)
This recovery system offers the ability to recover costly and valuable nutrients from anaerobic digestate/filtrate, which can be resold as the valuable fertilizer commodity “struvite.” The system will aid regulatory effluent discharge compliance and generation of a resalable commodity. The client (a UK based SME) holds the exclusive rights for this system in the UK and Ireland and are looking for a license agreement or commercial agreement with technical assistance or adaptation to other needs.

Sustainable heating/lighting solution to extend growing season for cultivation in poly tunnels
(Ref: 12 GB 46PS 3PC5)
A Scottish SME which uses poly tunnels to produce salad leaves and edible flowers is seeking innovative ways of extending the growing season. The solution must be sustainable. They are looking to collaborate with a similar business in a northern country who has already developed and trialled a solution to this problem or with a manufacturer of lighting and heating products who may be able to provide a solution for trial in this particular situation.

Chlorine-free technology for disinfection of drinking water in rural areas of developing countries
(Ref: 12 DE 1695 3PCE)
A German company has developed a new technology and method for water disinfection in rural areas of developing countries that works without the use of chlorine. The new technology uses electrolytical water disinfection powered by solar cells. The company is looking for cooperation partners in Southern-American countries that are interested in joint further development. The potential partner should be interested in Joint Ventures, further development or using the technology in their own projects.

Technical cooperation sought in platform development for reduction of inflammation of the mammary gland and udder tissue in dairy cows without the use of antibiotics
(Ref: 12 NL 60F1 3PGP)
A Dutch SME develops technology for better and faster methods to diagnose ailments and diseases in animals. The SME would like to develop a technology platform on which they combine several expertise in the field of reduction of antibiotics to prevent inflammation of the udder in dairy cows. The SME is looking for partners active in sensor development, lab-on-a-chip production for the veterinary market, R&D organisations active in this field for technical cooperation.

Technology sought for extraction of phosphates from manure and waste water
(Ref: 12 NL 60FI 3PMR)
A Dutch SME is looking for a separation/extraction technology to recover phosphates from manure and/or waste water. In the light of Dutch manure surplus, energetically less efficient use of fermentation and impending depletion of world phosphorus supply this could be a crucial technology in the near future. Technical collaboration with companies or research institutions is sought.

Innovative process that eliminates nitrates and nitrites from water
(Ref: 12 ES 252K 3PBI)
A Catalonian based spin off company from a Catalonian University, has developed a technology based on the elimination of nitrates and nitrites from water, obtaining drinking water, generating no wastes. Commercial, joint-venture, license, manufacturing agreement, technical co-operation with companies is sought.
Agriculture & Environment

**Active Heating System for Low-energy Consumption Greenhouses**
(Ref: 12 SE 67CL 3PIO)
A Swedish SME has developed an active solar energy storage system, that collects the solar energy and stores the energy in a ground heat storage. The heat is then used to heat the building during cold periods, resulting in an extremely low energy consumption. Greenhouses today switch to more energy effective light sources and as a consequence there will be a need for additional heating. The company is looking for a partner, Greenhouse operator or builder, to develop the technology.

**Novel technology for producing of ingredient modified fractions from extracted grist of oil seeds**
(Ref: 12 HU 50SS 3PGO)
A Hungarian university has developed a new process and equipment for producing of ingredient modified fractions from extracted grist of oil seeds. The technology is able to separate the extracted groats of sunflower, soybean, rape and flax groats thereby these grists become edible for non-ruminants animals. The university seeks for industrial partners to improve the compatibility of the prototype to different oil compactors and to commercialise the product.

**Unique watersensor to measure the watercontent in plants**
(Ref: 12 NL 60FI 3PCF)
A Dutch SME has developed a patented sensor tag that can be read out with a RF transmitter and receiver. The first application of this technology is a unique watersensor to measure the watercontent in plants. The SME is looking for companies active in agriculture for a licence agreement.

**Zero emission pyrolysis processing for recycling of natural phosphorous and nitrogen from food grade bone meal and animal manure**
(Ref: 11 HU 5010 3M40)
A Hungarian SME has developed a new, 3R (Recycle-Reuse-Reduce) zero emission pyrolysis technology that is providing added value recycling of food grade animal bonechip, meat and bone meal and low moisture content manure from herbivorous animals. Organic waste streams are converted into refined biooil, high phosphorous content bonechar/biochar natural fertilizer and liquid nitrogen fertilizer. Partners for full scale industrial adaptation of the technology and for license agreement are awaited.

**Biological in-situ soil decontamination**
(Ref: 12 DE 0855 3PKD)
A small German company offers biological in-situ soil decontamination that does not interfere with the natural soil structure and can be tailored to individual requirements. The process is also suitable for small areas. Industrial partners or technical consultancies are sought for technical co-operation to carry out joint projects.

**Innovative, high-power LED lighting technology for agricultural use**
(Ref: 12 HU 5052 3PQX)
A Hungarian company developed an energy-saving agricultural lighting system that due to the method of lighting causes significantly higher production. The system is suitable for every sub-sectors of agriculture. Besides complying with EU directives several downloadable lighting programs and realistic dawn-to-dusk simulations make the system meet the requirements. Partners dealing with or using similar technologies are welcome to conclude a technological, commercial or manufacturing agreement.

**Catalyst for the oxidation of water to oxygen**
(Ref: 12 ES 252K 3PCH)
Scientists from a well established Spanish institute for chemical research developed a stable, inorganic homogeneous catalyst for water oxidation to molecular oxygen. This catalyst is the most efficient homogeneous one discovered to date and can be used to electrolyze water into hydrogen and oxygen at neutral pH, which enables to store chemically sunlight energy. Technology is available for out-licensing and joint development.
What is matchmaking?

Matchmaking in the business sector is all about getting a lot of different companies and organisations from a particular sector to meet at a matchmaking event, and to help them create new national and international working relationships.

During these matchmaking meetings, which can be run over 1-2 days, participants can meet new potential business partners. Meetings are normally arranged in advance, and can typically last for 30 minutes, which is enough to see if there is the potential for future co-operation. Matchmaking is the quickest and cheapest way to build up new contacts in other countries.

Most matchmaking events are held in connection with international trade fairs and give your company the chance to meet with other businesses relevant for you – whether your visit is to buy, sell or simply to learn about new technologies.

There are many matchmaking events in Europe and a small selection is shown in this edition of TechMatch. If you want to hear more about an event, or wish to take part, please contact one of our consultants.
International Matchmaking Events

**EastMeetsWest 2012 Brokerage Event**

**Date:** 3-4 September 2012  
**City/country:** Nicosia, Cyprus  
**Sectors:** Energy, Environment, Information technology  
**Registration:** 27 August 2012

The Research Promotion Foundation in cooperation with the Enterprise Europe Network are organising a Brokerage Event with pre-arranged face2face meetings at the "EastWest 2012" Congress and Exhibition. The Brokerage Event will take place on 3-4 September 2012, at the University of Cyprus Athletic Centre in Nicosia.

The «East-Meets-West on Innovation and Entrepreneurship Congress and Exhibition (EastWest2012)» will be held during 1-4 September 2012 at the University of Cyprus in Nicosia. The Congress will serve as a highlight global event for harnessing the potential of entrepreneurship to transfer innovation ideas into products and services. The Congress and Exhibition is organized under the auspices of the Cyprus Presidency of the Council of the EU 2012.

The EastMeetsWest 2012 Brokerage Event has been designed to complement the "EastWest 2012" Congress and Exhibition, offering visitors the opportunity to attend meetings with potential partners, customers and suppliers.

A specially designed meeting space will be reserved within the Congress venue, where bilateral meetings of maximum 30-min duration will take place. All meetings will be pre-arranged with the support of the event organizers and all participants will be informed on their personal meeting schedule at least 7 days prior to the event.

**Further Information and Online Registration**  
www.b2match.eu/eastmeetswest2012

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**SPACE 2012 - Livestock and agriculture brokerage event**

**Date:** 12-13 September 2012  
**City/country:** Rennes, France  
**Sectors:** Food - Agro industry, Agriculture - Forestry, Veterinary  
**Registration:** 28 August 2012

A Brokerage Event will be held on the occasion of the SPACE exhibition in Rennes, France from the 12th to the 13th of September 2012. The possibility for the exhibitors and the visitors to meet face to face during planned meetings (30 mn) for commercial or technological partnerships.

With 1300 exhibitors and 108 907 visitors in 2011, SPACE is the essential international show for livestock professionals in every sector: cattle, pigs, poultry, rabbits, sheep and goats.

**SECTORS MOST REPRESENTED BY EXHIBITORS:**
- Animal feed
- Farm equipment
- Farm buildings
- Farm waste treatment
- Handling, lifting, loading and transport on the farm
- Agro energy
- Breeding, artificial insemination, hatcheries
- Animal health

If you are looking for innovative products, equipments and services for your livestock enterprise, you will find what you need with the INNOV’SPACE award winners (the industry’s latest technological innovations selected by a panel of experts).

**Further Information and Online Registration**  
http://uk.space.fr/  
http://space2012.b2b-match.com
International Matchmaking Events

WindMatch 2012
Date: 19-20 September 2012
City/country: Husum, Germany
Sectors: Energy, Environment protection
Registration: 31 August 2012

WindMatch brokerage event at HusumWindEnergy 2012 is a forum for all companies from the wind energy sector that are looking for business or research partners. The cooperation event is a unique opportunity for you to establish new cross-border contacts for future collaboration and to find new partners at the leading international trade fair for the wind industry.

Our aim is to provide an effective forum where international decision makers from the wind energy sector can meet potential partners to initiate or develop business or research partnerships.
The participation on the WindMatch 2012 brokerage event is free of charge!

Who Should Attend?
The event is targeted at companies and research institutes looking to cooperate in the wind energy sector.

Further Information and Online Registration
www.windmatchhusum.com

North Sea Offshore Wind Conference and Brokerage Event
Date: 9-11 October 2012
City/country: Hull, United Kingdom
Sectors: Energy
Registration: 16 September 2012

Enterprise Europe Network in Yorkshire, together with our Yorkshire and Norwegian partners, is pleased to be hosting the North Sea Offshore Wind Conference and Brokerage in Hull on 10 October 2012.

The event will coincide with an Inward Mission of Norwegian wind energy professionals who will visit the Yorkshire and Humber region from 9 - 11 October 2012.

Conference
Hear from key speakers from both Norway and the UK about the newest developments and opportunities in the offshore wind sector.

Brokerage Event/ Networking
Request one-to-one meetings with Norwegian counterparts. Participants will have the opportunity to request up to eight slots of 20-minute meetings. In addition to this, a separate space will be dedicated to informal networking.

Gala Dinner
The event will culminate in the North Sea Offshore Wind Gala Dinner where participants will have the chance to wind down and get to know each other better in a social and informal setting.

Further Information and Online Registration
www.b2match.com/nsow2012
The Enterprise Europe Network was launched in February 2008 by the Commission’s Directorate-General for Enterprise and Industry. It builds on the former Euro Info Centre (EIC) and Innovation Relay Centre (IRC) Networks, established in 1987 and 1995 respectively.

Who are we?
- 600 organisations
- Activities in more than 50 countries

How can we help you?
- We can help your company find relevant trading partners
- We help SMEs develop new products, open new markets and provide information on EU opportunities
- We advise SMEs on technical issues including IPR, standards and EU legislation
- We operate as an intermediary between entrepreneurs and EU decision makers and can help your company be heard in Europe

Some numbers...
- Business and technology partnership deals signed by 5,000 companies
- 23,000 profiles in the technology transfer and business cooperation databases
- More than half of companies using the Network have entered new markets
- 99.7% of clients surveyed would recommend the Network to others

In October 2011, Nikolaj Bejer from the Danish company Food with You participated in the Enterprise Europe Network matchmaking at the food fair ANUGA in Cologne, Germany. He came home with at least two new business contacts - one of them, a Lithuanian company which is now a contractual business partner of Food with You.