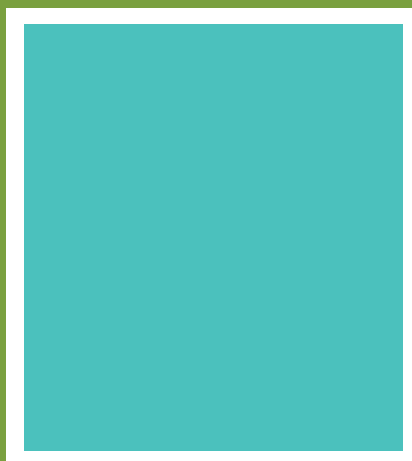
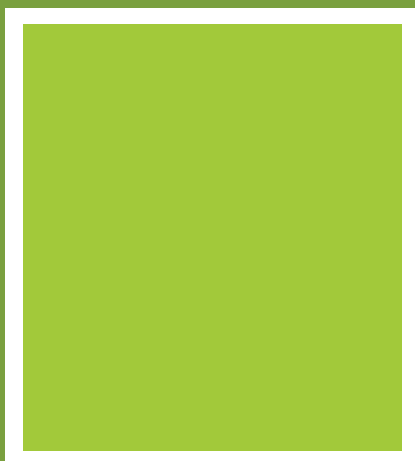
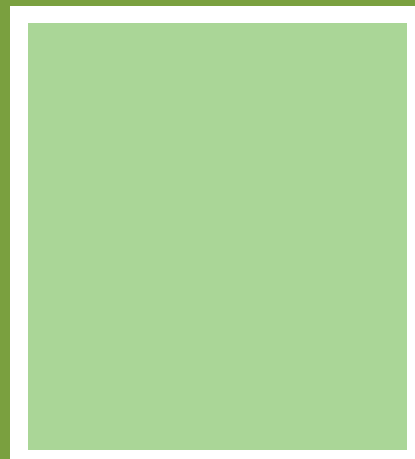


# TechMatch

# 01

AGRI BUSINESS & ENVIRONMENT

2011



Export Promotion Trip Chile

B2KONYA-AGRI 2011

Wine Brokerage Event 2011

Taste Nutrition Health

## Technology Searches

- Decreasing the level of microorganisms in spices with heat treatment
- Hybrid water heating solution that saves between 40-70% of energy costs
- New system on wheels for fast pre-cooling with forced-air
- Ultrathin high efficiency thermal/solar collector



MAKE CONTACT WITH TECH MATCH

# Make new contacts with TechMatch

TechMatch is a free information service, which includes a selection of technologies 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.

TechMatch is produced by Nordic members of the Enterprise Europe Network – the world's largest business network.

## Interested in a new technology?

If you're interested in one of the technologies or events, or wish to get in contact with one of the companies in TechMatch, please contact one of our consultants. Remember to quote the reference number!

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

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A large, white, stylized letter 'E' is centered on the page. The letter is composed of thick horizontal bars and a vertical stem, with a small gap between the top and bottom horizontal bars. The text 'TECHNOLOGY SEARCHES' is overlaid on the middle horizontal bar of the 'E'.

TECHNOLOGY SEARCHES

### Bioactive Compounds and Fungal Enzymes for the Food and Related Industries

(Ref: 10 DE 1593 3J9K)

A German research group is investigating the outstanding metabolic potential of higher fungi. Biotechnology of basidiomycetes is applied to allocate natural ingredients (flavours) and new enzymes for the food industry. By-products of food processing provide a basis for the fungal growth and/or serve as a substrate for the production of value-added food ingredients. Partners for technical cooperation and manufacturing agreements are sought from science and industry.



### A novel marine Algae derived Emulsifier

(Ref: 11 GB 46P4 3K7F)

A leading UK marine research institute has identified a new bio-emulsifying polymer with novel commercially valuable properties e.g. sustainable natural source, functional at high/low temperatures and low pH. The market applications for emulsifiers include food/drink, nutraceuticals and cosmetics industries. Partners are needed to identify commercially viable applications and exploit the product on a commercial scale. Potential licensors which develop/supply chemicals/raw materials are sought.

### Innovative system for growing flowers and vegetables which saves water and fertilizers by more than 50% and significantly increases yield

(Ref: 10 IL 80EP 3K3L)

An Israeli SME has developed a detached substrate cultivation system of growing plants where plants are grown in special containers and water/fertilizer are delivered by special funnels in amounts determined/controlled by the plants themselves. No field leveling is needed. The system can be installed even on a slope. Field proven results demonstrate significantly higher yields and costs savings of more than 50% of water + fertilizer than present methods. Partners are sought for joint ventures.

### Technology to produce carp larvae and fingerling

(Ref: 10 HR 89GM 3JUP)

A Croatian technology transfer company developed technology to produce carp larvae and fingerling. Advantages over existing technologies are low mortality, more intense growth and shortening of production period from 3 to 2 years. The company seeks industrial partners interested in licensing, joint further development.

### Bioplastic with antimicrobial activity

(Ref: 10 ES 27F3 3JKO)

An Andalusian company has developed a bioplastic with disinfectant activity. It can be used in the manufacture of packaging films and all sorts of containers for food products. The original components, as the bioplastic added with biocide, have natural origin, remains features of fully biodegradable product, allowing you to meet standards on biodegradable packaging. The company is interested in technical collaborations with companies and in licensing agreements.

### Sodium carbonate as a distributor of zearalenon in swine feed

(Ref: 10 PL 62AQ 3JMJ)

A research unit from North-East Poland has developed the method of zearalenon neutralization in swine feed. The developed compound can be easily introduced into the feed in various technologies in feed production and animal feeding. The research unit is interested in technical cooperation.

### Decreasing the level of microorganisms in spices with heat treatment

(Ref: 10 TR 95LE 3JUB)

A Turkish SME has developed a new method to decrease the level of microorganisms (pathogenic bacteria, moulds and yeasts) in the production process of spices. The offered technology enables the producers to keep the level of microorganisms of the product in the desirable values. The company is looking for joint further development with universities or research organizations or joint venture agreement with companies in the sector.

### Standard and high-throughput DNA-based technologies for the traceability of fish species

(Ref: 10 IT 54W0 3J5E)

An Italian University Laboratory specialized in DNA-based markers and technologies to address the traceability of fish species, fish populations and commercial seafood for improving food quality has developed a high-throughput and high-efficiency technology (DNA microarrays) for detecting fish species, fish populations, harmful pathogens and toxic microorganisms in seafood. They are looking for an industrial partner interested in transferring the research know-how to commercial/industrial application.

### Production line for specialized packages made of two-layer paper board

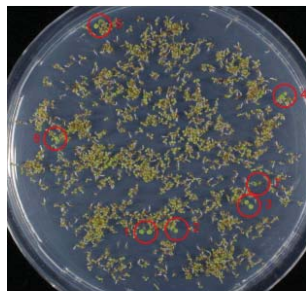
(Ref: 10 SK 69CU 3JOT)

A Slovak designer has developed specialized innovative packages made of two-layer paper board that could be used for coffee-houses, restaurants or network of fast foods. The packages are environmentally friendly, very firm and easy to use. The designer is searching specialized production line for the packages through license agreement or joint venture.

### Transient selectable marker system for genetically modified plants

(Ref: 10 DE 0855 3JJJ)

A German university has developed a new selection marker system for the production of genetically modified organisms (GMO), especially oil seed plants such as canola. The system has less side effects than conventional methods (e.g. resistances against antibiotics or pleiotropic effects) as no DNA of foreign origin is used in the selection process. The system can therefore improve the safety and public acceptance of GMO. Bio-technology companies are sought for licensing agreements.



5 days selection

### Novel High-Frequency Quartz Crystal Microbalance (HF-QCM) sensors for food safety, water online monitoring

(Ref: 10 IL 80EP 3JT8)

An Israeli SME has developed a Hi-Frequency Microbalance Sensor that can be further developed for multiple uses: detection of food contamination, security and screening, bio-medical diagnostics, waste water components analysis and others. The company is interested in partner(s) that wish to collaborate in the development of specific applications.

### A new, eco-friendly healthy alternative to coffee made from date beans

(Ref: 10 IL 80EP 3JR8)

An Israeli SME that specialises in food engineering has developed a patent pending process to manufacture eco-friendly, healthy, premium coffee products made from unused date beans. The initial products launched in the local market have demonstrated their acceptance as a high quality, premium and healthier alternative to conventional coffee. The company seeks strategic partners for Manufacturing Agreements or Joint Ventures in order to expand globally.

### Product and technology for homogenization and improvement of milk, dried / powdered milk and any dairy products such as cheese, yellow cheese, yogurt and ice-cream

(Ref: 10 BG 0530 3JOQ)

A Bulgarian company has developed a specialized product and technology for homogenization of milk and dried / powdered milk. It increases the quality and taste of milk and all dairy products and achieves a high degree of homogeneity. The company seeks manufacturing agreements, joint-venture agreements, commercial agreements and licensing agreements with companies interested in the implementation or marketing of this technological product.

### Optimized technologies for cultivating crops adapted for various edaphic-climatic zone

(Ref: 09 RU 86FG 3FI2)

A Russian R&D Center from Kaliningrad developed and tested optimized landscape-adaptive technologies for cultivation of wheat, canola, potatoes, beans, corn, forage grasses, fruits and berries, medicinal, spicy, aromatic, ether, decorative plants. The technologies provide a 50-110% increase in the productivity of these crops. The Centre looks for partners for technical cooperation (further implementation of the developed technologies in various regions).

### Novel double vortex heat treatment (DVHT) process for grains

(Ref: 10 IL 80EP 3JND)

An Israeli SME has developed a novel double vortex heat treatment (DVHT) for grains in order to improve their nitrogen, carbohydrates and fat digestibility. The advantages lie in the production of higher quality products at a cheaper cost. The company is looking for a strategic partner.

### New formulation & filler material for time- and cost-saving seed-pelleting

(Ref: 10 AT 0105 3JSH)

An Austrian SME has developed a novel formulation for pelleting (coating in order to get spherical shape) seeds in coaters with rotor/stator systems. The new filler material in this formulation significantly increases the speed of pelleting and the subsequent drying step thus considerably saving time and costs. It additionally leads to accelerated germination behaviour of the seeds. It is best suited for sugar beet and vegetables. The SME is looking for commercial/industrial/R&D partners.



### OMEGA 3 enriched eggs

(Ref: 10 HR 89GM 3JUO)

A Croatian technology transfer company developed methodology to enrich eggs with omega-3 acids. Advantages over conventional eggs are improved  $\omega_6/\omega_3$  fatty acids ratio without significant change in all other parameters and taste. The company seeks industrial partners interested in licensing, joint further development.

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### System for testing shelf-life of bottles or containers filled with carbonated beverages

(Ref: 10 IT 55W4 3JNT)

An Italian SME, spin-off company of the University, has developed a machine for testing shelf-life of bottles or containers filled with carbonated beverages. With this technology it is possible to perform non destructive test on a single bottle in a extremely short time (about 1 hour) to know the amount of loss of carbon dioxide in a day. The company is looking for a commercial agreement with technical assistance with other companies or research centres.

### New alternative production of Transparent Goby for using Freshwater Species for commercial Purposes

(Ref: 10 ES 27F3 3JJ9)

An Andalusian research group has developed an invention able to obtain fish species like Gambusia sp. as an alternative to the growing consumption of the transparent goby, reducing at the same time the captures and sales of immature fishes species. The university is looking for technical collaborations with companies for license agreements.

### Expertise on dirt repelling surfaces for poultry slaughtering lines sought

(Ref: 10 NL 60AF 3JE9)

A SME from the Netherlands is looking for parties that have knowledge and practical experience with smart surfaces (coatings or surface treatment). Such a surface is wanted to minimize cleaning effort of poultry slaughtering lines.

### Novel Method for Preparation of Detergents from Oil

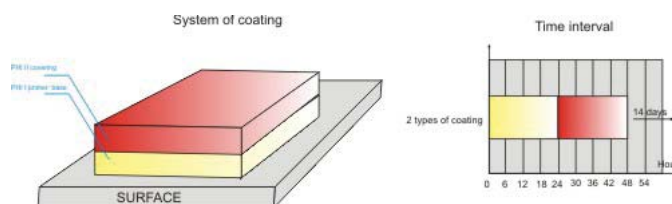
(Ref: 10 IL 80EP 3JS0)

An Israeli SME has developed a method for producing SAS (Surface Active Substance) from any oil waste. Vegetable cooking oil waste is an example. The production costs are lower than those of competing technologies. The method is patentable. The company is looking for a strategic partner for the development of industrial production and marketing.

### Innovative coating for reservoirs in the food industry

(Ref: 10 RB 1B1O 3JJS)

Serbian company has developed completely innovative inorganic material for coating that enables anti-corrosive protection of reservoirs and containers in the food industry. This coating is superior in the long term performance at organoleptic properties of foodstuffs and is simple to use in comparison to other products. The company is offering licenses to manufacture or distribute the products for companies that manufacture reservoirs and containers in the food industry.



### Proven technology/know-how sought for the cultivation of clams (Lat. Venus Gallina) in open aquatory

(Ref: 10 BG 0528 3JL0)

A Bulgarian R&D company in the field of Marine Aquaculture is looking for a proven technology/know-how for the extensive cultivation of clams (Lat. Venus Gallina). The company would like to introduce and transfer the respective technology/know-how to its marine farm located on the Bulgarian Black Sea shore. Partnerships sought are technical cooperation, commercial agreement with technical assistance, joint venture and/or access to financial resources.



# AGRICULTURE & ENVIRONMENT

## Watering without waste - accurate irrigation precisely within defined contoured areas

(Ref: 10 IL 80EP 3JIX)

An Israeli SME has developed irrigation technology that efficiently irrigates common geometric areas. The technique controls water throw while ensuring uniform distribution, thus enabling pre-determined areas to be watered precisely to their geometry. Irrigation zones in square, triangular and irregular patterns having multiple curves and angles may be designed thus resulting in significant water savings. The residential market is targeted. Technical cooperation or Joint Ventures are sought.

## Sensor system for weed control robot

(Ref: 10 HR 89GM 3JSB)

Croatian company specialized in new technology development is seeking partner for joint development of weed control robot. The partner will need to develop sensor system and electronics for this kind of robot.

## A novel Dehumidifier and heater for cold climate Greenhouses

(Ref: 10 IL 80ER 3JT9)

An Israeli manufacturer specializes in designs, develops and manufactures air conditioning and dehumidification systems. It has developed and manufactured a ventilated heat convertor (VLHC), a patented, field tested dehumidification system for cold climate greenhouses. It solves humidity related problems, including yield-damaging botrytis, while lowering energy for heating and fungicide expenses. The company is seeking partnership in order to offer professional services and technical support.



## Innovative technologies for waste treatment (water, sludge)

(Ref: 10 AT 0105 3JXA)

An Austrian company specialised in plant engineering of waste water and drinking water applications is looking for innovative technologies to broaden its product range. Technologies of interest are in the field of waste water and sewage sludge treatment and heat recovery. The company is looking for a license or manufacturing agreement.

## Corrective planter

(Ref: 10 HR 89GM 3JS9)

Croatian inventor is offering the corrective planter technology to the partner from EU countries. Corrective planter is designed to fill the gaps in the places where seedlings did not grow after planting. Corrective planter could work as a standard planter as well. Inventor is looking for licensing partners or joint venture.

## Botanicals with low pyrethrum content for keeping insects under control

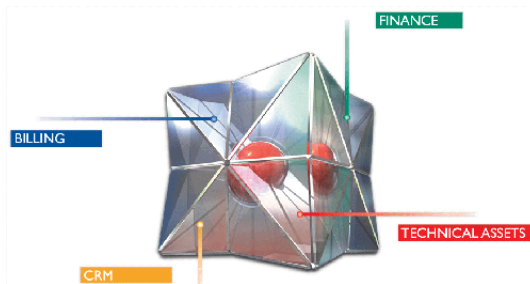
(Ref: 10 HR 89GM 3JTU)

A small Croatian company developed Botanicals with low pyrethrum content for keeping insects under control. It is effective against lice in all development phases and animal pests such as flies and ticks. Advantages over shampoo with synthetic insecticides include low toxicity to humans and animals combined with calming effect of essential oils. The company seeks industrial partners interested in licensing, joint further development, research institutes and companies to test new applications.

## Integrated IT solution - an ERP and Billing system for energy, water supply and waste-water management

(Ref: 10 DE 17A3 3JHS)

The German consulting and software company is one of the leading solution providers with focus on the international energy and water distribution market. The company offers a holistic service portfolio designed for maximum security of supply, energy efficiency and sustainability. Its range of consultancy and support flexibly reflects the central needs of emerging utility markets - from monopolistic to competitive market structures. Licence agreement and /or technological cooperation are offered.



## Environmental friendly fungicid composition

(Ref: 10 RO 662B 3JWR)

A Romanian research institute has developed, tested and patented a fungicidal composition useful for agriculture, as an alternative to the conventional agrochemical products. The main innovative aspect and advantage of the offer: the product has been obtained by recovering some industrial waste of animal and vegetable fats; it is environmentally friendly and efficient. Partner sought: manufactures company from chemical industry to produce and sale it under license agreement.

## Membrane distillation technology to obtain pure water from seawater

(Ref: 10 NL 60AF 3JY1)

A Dutch research organisation has developed a special technology based on membrane distillation. Using this technology, it is possible to obtain particularly pure water from seawater. The technology is also suitable in the re-use of wastewater from various sources e.g. sanitation, washing, process water. The R&D organisation is looking for a partner to licence the membrane distillation technology to use in small-scale applications.



# AGRICULTURE & ENVIRONMENT

## A probe for soil moisture measurement

(Ref: 10 HR 89GM 3JHZ)

A small Croatian company is looking for a probe for measuring soil moisture. It is going to be used for irrigation automation process. Ideally, a probe should measure relative soil moisture accurately and convert its values to voltage or current in 0 - 10 V range. The technology requested can either be a prototype or ready for joint development of existing probe if necessary.

## Carbon foot-printing services for organic farming products

(Ref: 10 GR 49R2 3K6E)

A Greek organic farming & processing unit is looking for a know-how provider (company/ certification authority) with expertise in measuring and managing the carbon footprint of agricultural products, both in the farming process and the supply chain. The partner sought should be an acknowledged service provider, possessing scientific know-how and business expertise in the field of carbon footprinting.

## Measurement of hydric behavior of cultivated plants

(Ref: 10 FR 36L3 3K06)

A French research team has developed an integrated optic sensor enabling remote and non-destructive measurement of the moisture level of agricultural vegetation. This device allows to manage water and to monitor irrigation in real-time. The system environment enables a remote monitoring of the sensor fitting and an automation of measurement cycle. An industrial partner is sought to industrialise and commercialise the technology.

## An innovative ultrasonic and eco-friendly solution for water and wastewater treatment that reduces operating costs by 30%

(Ref: 10 IL 80EP 3K1X)

An Israeli SME is developing a solution based on proprietary ultrasonic technology that promotes coagulation, flocculation, sedimentation and disinfection of aqueous streams while drastically reducing use of treatment chemicals. Treatment operating costs may be reduced by 30%. Partners are sought for validation testing or joint ventures.

## Fertilizer production from wood waste by extrusion process

(Ref: 10 FR 36L3 3JZH)

A French laboratory located has developed an extrusion process for humic substance production. Mechanical and chemical treatments of wood waste are performed allowing quick cellulose decomposition. A mix of solid/liquid medium is obtained. Isolation of liquid phase is necessary to extract humic compounds. These humic substances have numerous properties as fertilizer. Industrials and distributors interested in fertilizer products are sought.

## Green polymer

(Ref: 10 FR 36L3 3JZJ)

A French laboratory has developed a green polymer using a significant proportion of cellulose obtained from the fibrous part of plants, especially from wood, and also from straw or other waste. Industrial partners sought for exploring and exploiting new applications in partnership.

## Innovative aeration technology that reduces energy costs of wastewater treatment plants by 50%

(Ref: 10 IL 80EP 3K2I)

An Israeli SME has developed an aeration technique for use in wastewater treatment plants which extends contact time between bubbles and liquid by a factor greater than 2. Energy costs are reduced by 50% as well as an increased capacity/throughput, simplified maintenance and reduced CO2 emissions. Partners are sought for validation testing and joint ventures.

## Agricultural software for PLC (programmable logic controller) to be used in fertigation; i.e dosage systems, precision fertilisation management

(Ref: 10 TR 95LE 3JNS)

A Turkish medium sized company specialised in agricultural machinery, drip irrigation and fertilisation systems added fertigation systems to its production range. Precise management of dosaging of the fertilisers is of high importance for such systems and automation and software for such systems are widely used in this case. The company plans to cooperate with a technology partner for further development of fertigation system with automation software for PLC systems.

## Bioremediation and valorization of agroindustrial waste waters and waste materials

(Ref: 08 IT LAAP 0K3Z)

A technology to treat biorecalcitrant wastewaters has been investigated (in both model and real system) by an Italian University research group. The group makes reference to wastes produced by olive processing, known to be a major European environmental concern. Furthermore, the possibility of producing valuable products during wastewater and pomace treatment is under investigation. Technical co-operation or financial resources are sought by the research group.

# AGRICULTURE & ENVIRONMENT

## Website and software with services for the Agriculture sector

(Ref: 10 FR 3118 3JIM)

A French SME develops web services / web software for farmers and the whole agriculture market. The main objective of these web services is to put together different sources of information to build a database based on soil, plant and climate data. The company is looking for partner to reach a license agreement and technological co-operation to implement the services with partners of the agricultural market.

## Method for Treatment of Wastewater Contaminated with Organic and Chemically Oxidizable Inorganic Pollutants

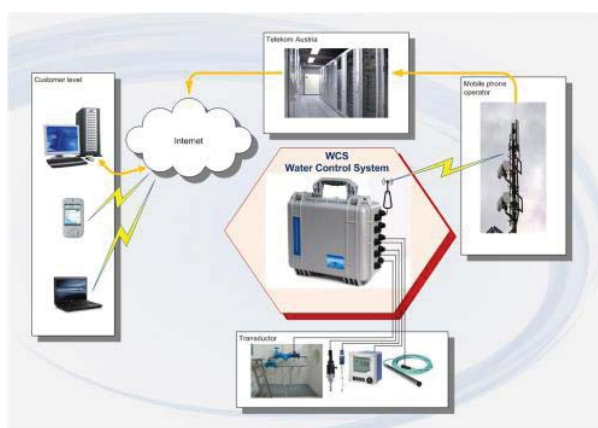
(Ref: 10 IL 80EP 3JS2)

An Israeli SME has developed magnetic composite materials and their application as catalysts for oxidizing organic compounds in cleantech technologies during the treatment of toxic and dangerous liquid industrial wastewaters and waste of cattle breeding. The company is looking for a J/V partner for developing an industrial technology, producing and marketing the products.

## Water Control System battery operated remote monitoring for water supply networks

(Ref: 10 AT 0109 3JM3)

An Austrian company active in the field of monitoring and cleaning water network systems developed a water control system. The system is battery operated and monitors water supply networks remotely. The device is independent of power supply and the recorded data is automatically transmitted to a web service. Dynamic measured values and static state inquiries for various applications can be recorded. The company seeks a partner for application, adaption if necessary and further development.



## Controlled release Bio-Pesticides

(Ref: 10 IL 80EP 3JRZ)

An Israeli SME has developed an innovative patented delivery system that allows the delivery of sensitive natural ingredients. This delivery system allows the development of a variety of Bio-Pesticides that can replace chemical pesticides. The company is looking for a strategic partner. Other types of cooperation are also possible.

## Hybrid water heating solution that saves between 40-70% of energy costs

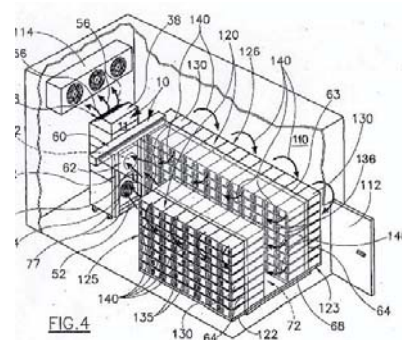
(Ref: 10 IL 80EP 3JIZ)

An Israeli SME has developed an innovative hybrid water heating system that saves 40-70% of annual fuel consumption. Accurate calculation of actual cost savings are displayed on-site in real time while consumers may consume hot water in all weather conditions and no matter the number of users. Flexible business models are available that demonstrate a short return on investment. System integrators and Facility Engineering companies are sought for joint ventures and technical cooperation.

## New system on wheels for fast pre-cooling with forced-air

(Ref: 10 IT 53V2 3JOZ)

An Italian SME has patented a new system for fast pre-cooling of horticultural products. It is simple to use inside common cold rooms and it increases their performances. The innovative air-forced cooling system surpassed traditional technologies (hydro-cooling, vacuum, blast chiller, cooling tunnel on fixed lines) in economy, cooling time, ease to install and use. Partners are sought for the sale, transfer of license, patent or marketing agreement with or without exclusive. Technical assistance included.



## Fertiliser NPK (nitrogen, phosphorus, potassium) from urine and olive oil mill wastewaters

(Ref: 10 ES 27F4 3JST)

An Andalusian research group has developed a new method for recycling urine from farming and urban waters, diluting them by adding olive oil mill wastewaters. The main advantages are the reduction of costs and save of water as opposed to the conventional physical-chemical methods of treatment of wastewaters. The process is suitable for human-animal urines, while being a cheap method for recycling olive oil wastewaters. They are looking for a licensing agreement or technical cooperation.

# AGRICULTURE & ENVIRONMENT

## An innovative filter for drip irrigation systems to separate sand, stone, silt and other substances that make water non-usable for drip irrigation

(Ref: 10 TR 95LE 3JNR)

A Turkish company has produced a unique system to solve the irrigation problems in dirty or waste water. It removes troublesome, abrasive particles from free surplus water used for sprinkler irrigation and eliminates the need for clean water which is expensive for irrigation. The system is already on the market and implemented in several municipalities in Turkey with 100% success rate. The company plans to cooperate with a technology partner by cross licensing.



## Hard waste water treatment by Direct Anodic Advanced Oxidation Process (D.A.O.)

(Ref: 10 IT 53U9 3JUG)

An Italian PMI has developed an eco-friendly method to treat hard types of waste waters. The technology can be applied to a wide variety of aqueous industrial effluents. Pollutants can be broken down by Direct Anodic Advanced Oxidation process (D.A.O.), including those containing recalcitrant compounds that biodegrade slowly or not at all. Partners for commercial agreements with technical assistance and joint ventures are sought.

## A Danish software company specialized in Management Systems is looking for trade intermediaries in Sweden, Finland, Germany, Poland, Norway, Slovakia, France, Spain and UK

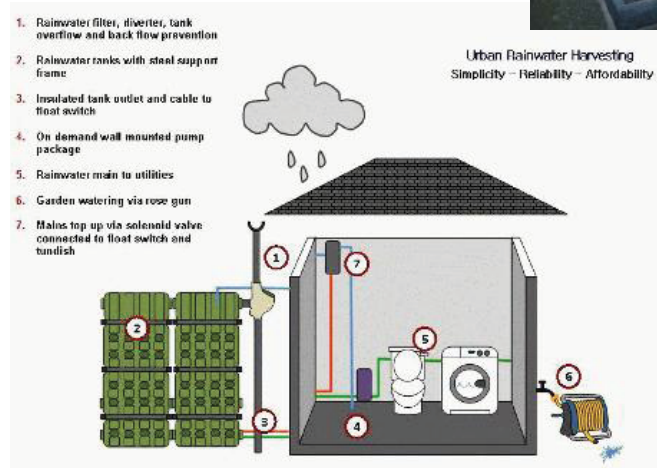
(Ref: 20101026046)

A Danish software company specialized in Management Systems is looking for trade intermediaries in Sweden, Finland, Germany, Poland, Norway, Slovakia, France, Spain and UK. The company develops and implements management systems for planning, controlling and reporting on quality, environmental, occupational health and safety management systems. The system contains registration forms needed to report different events and reports automatically when events are developing in a not expected way. Companies using the system are private as well as public in all sectors and in all sizes (one - more thousands employees).

## Modular rainwater system for use in residential and small commercial properties

(Ref: 10 GB 4407 3JQR)

A London-based company has developed a modular rainwater-harvesting system that can be installed or retrofitted into a small, urban spaces. The system provides storage space in discrete steps, ranging from 200 to 3000 liters. It can be installed by professional or do-it-yourself installers, at low cost and without need for excavations. The company is looking for industrial partners in construction or retrofit for joint adaptation of the system to local needs or licensing opportunities.



### Autonomous thermally independent methane reformer for on-demand and on-site high-purity hydrogen generation

(Ref: 10 IL 80EP 3JOD)

A researcher at an Israeli Academic Institution has developed a methane steam reformer for on-site and on-demand hydrogen production. This equipment facilitates hydrogen fuel-cell stack power generation directly at low costs. It can be used in any place where a hydrogen supply is needed or can be utilized like a fleet of hydrogen-powered vehicles or a remote generator taking advantage of existing natural gas infrastructure to supply the methane. The institute is looking for a partner for a license.

### Energy harvesters for building automation, transport and industrial applications with an energy output > 20 milliwatt

(Ref: 10 CH 84FB 3JRM)

A Swiss company is looking on behalf of its customers for electro-mechanical and thermo-electrical energy harvesting systems that can convert dynamic or thermo energy into electrical energy. Harvesters should convert flow (liquid, gaz, etc...), vibrations, motion, temperature gradient, etc. into electrical energy. The energy output should be more than 20 milliwatt. Licensing, technical cooperation or joint venture can be considered. Financial cooperation can be discussed.

### Stirling engine based on renewable energy sources for the isolated residential consumers

(Ref: 10 RO 75DV 3JHK)

A Romanian university has developed a new alternative solution for obtaining electricity, heat and cold using traditional resources (wood), renewable energy (biomass) and solar energy. The main advantage of the technology is that it assures a durable alternative for the daily residential comfort. The developer is looking for technical co-operation and commercial agreement with technical assistance.

### Heat energy production in exothermic process of biomass utilization including sewage sediments

(Ref: 10 PL 61AL 3JTG)

A Polish company has developed a technology which concentrates on the utilization of sewage sediments. The new solution is based on exothermic process, which develops organic fertilizer and cleans heat energy that is the most important product of this chemical reaction. Commercial agreement and technical cooperation are sought for market implementation and industrialization.

### Innovative drying technology supplied with various kinds of fuel

(Ref: 10 PL 63AW 3JQZ)

Polish company developed innovative drying technology for materials with various state of aggregation (liquid, solid, etc.) based on a lower temperature of the flame. Main advantage of this system is that burner can be powered with various kinds of fuel (gas, oil, animal fat). Partners interested in manufacturing or commercial agreement with technical assistance are sought.

### Fuzzy control for fermentation plants

(Ref: 10 DE 19A7 3JQD)

A fuzzy control for plants designed to ferment biomass of all types has been developed at a university in north Germany. The fermentation process can be automatically controlled and adjusted such that ideal results are achieved and costly breakdowns in methane production are prevented by recording a maximum of only three parameters (e.g. temperature, gas volume, moisture). Fermentation plant manufacturers or users interested in further co-development or in buying of licence or patent are sought.

### Wind/Solar Efficient Charge Controller

(Ref: 10 RO 75DU 3JTT)

A Romanian company has invented a wind / solar efficient charge controller (maximum power point tracking). The main advantage is that it takes the maximum energy from solar or wind plants and transmits it with minimal loss to any type of battery. The company is looking for technical cooperation, manufacturing agreement (subcontracting & co-contracting), commercial agreement with technical assistance or financial resources.



### Polymeric micro fuel cell

(Ref: 10 ES 28G2 3J58)

A Spanish public research organization has patented a polymeric micro fuel cell that can be used as an energy source integrated into miniaturized portable devices. Industrial partners, working on fabrication technologies for portable devices and production of energy interested in a patent license and in the development of this technology are being sought.

### Thin film solar panel, made with copper indium gallium diselenide, with strong efficiency standards. It can be mounted on flexible steel supports, perfect for architectural purposes

(Ref: 10 IT 54V9 3JUM)

An Italian company developed with an Academic Research Center a new solar panel, made with a copper indium gallium diselenide film. This innovative solar panel is made with a different league of elements than the traditional ones, so that the panels are more efficient and flexible, perfect to be used in the construction sector. The company seeks industrial partners interested in further developments and/or commercial, licensing and technical agreement, and financial partners to start joint venture.



## Biodiesel production technologies sought for installation in developing countries

(Ref: 10 GB 4407 3JFX)

A London-based company is looking for technologies in biodiesel production. The company is planning to set-up a biodiesel production facility in Africa, exploited and maintained by local companies. The company is looking for academic or industrial partners that can provide the equipment and machinery for the production facility and the expertise to technically support the local companies.

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## A new module for production of electricity using biomass, concentrated solar power or waste heat recovery system for isolated grid

(Ref: 10 FR 38m6 3JVW)

A French SME is working on selected innovative renewable energy technologies such as off-grid small biomass cogeneration plants using Organic Rankine Cycle (ORC) technology. This company has developed an ORC module of 1 MWe capacity for production of renewable electricity using biomass, solar CSP or waste heat recovery system. The company is now interested in a partnership to develop power plants based on this technology.

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## System for Solar energy management

(Ref: 10 IT 53U9 3JKU)

An Italian company, with 30-years-long expertise in innovative solutions for solar energy exploitation, obtained a wide family of smart machines for controlling the energy output from solar panels, gas-fired boilers and burners. One of the models efficiently manages the energy output according to weather and user needs, thus allowing autonomy from fossil fuels for domestic hot water, air heating and conditioning. The company is interested in technical cooperation or commercial agreements.

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## Ultrathin high efficiency thermal/solar collector

(Ref: 10 IT 53U9 3JKW)

An Italian company, leader in the national solar thermal market since its start, 30 years ago, has realized an ultraflat plate thermal solar collector, based on nanotechnological innovations which assure high efficiency and guaranteed durability. Its extraordinary thinness (43 mm) allows its installation beside solar PV panels, even among roof tiles, in respect of any landscape need and legal constraint. The company is interested in technical cooperation or commercial agreements.

## Waste-to-energy technologies to transform household and industry waste into liquid energy (biofuel)

(Ref: 10 CH 84FB 3JWC)

A Swiss engineering company developed technologies to separate waste from households and industry into different fractions (plastic, wood, organic material) and transform it into liquid energy. To liquefy plastic and wood the same plant can be used. The payback period is very short as the energy recovery from waste is huge. A pilot plant exists. The company is looking for companies, e.g. active in the petrochemical field, which are interested in building and investing in a large scale plant.



## Enzyme-based catalysts used in the production of biodiesel overcome drawbacks of chemical catalysts

(Ref: 10 IL 80EP 3JRU)

An Israeli SME has developed enzyme-based biocatalyst substitutes to chemical catalysts. Use of these eco-friendly biocatalysts enables biodiesel manufacturers to enhance profitability through elimination of various production processes and increasing biodiesel yield and quality of the Glycerol by-product. The biocatalysts have been thoroughly validated and comply with applicable standards. Partners are sought for licensing, technical cooperation and joint ventures.

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FIND NEW INTERNATIONAL BUSINESS PARTNERS





## What is matchmaking?

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**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.

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# International Matchmaking Events

Early Bird Special  
- spar kr. 2.000,-

## Export Promotion Trip to Chile

In collaboration with the Danish consultancy company Market Select, Enterprise Europe Network Denmark organises an export promotion trip to the Rancagua and Santiago areas in Chile in April 2011 for companies and organisations within the pork industry and the bioenergy sector.

The trip will include a matchmaking event with relevant Chilean companies and organisations, individual meetings for each participating company with potential Chilean business partners as well as visits and presentations at large manufacturers within both the pork industry and the bioenergy sector. We will set up meetings with distributors and wholesalers of inventory and pig equipment as well as meetings with major pig producers such as Agrosuper, Friosaa, Valledor Coexca and others. For participating companies within the bioenergy sector we will organise visits and meetings according to individual requests (e.g. visits to major biogas plants, meetings with local authorities, biogas plant manufacturers etc.)

### Registration and deadline

**Registration before 4 February: DKK 20,000 excl VAT**

Registration before 11 March: DKK 22,000 excl VAT

#### Terms of payment

A prepayment of DKK 10,000 + VAT will be charged at registration. The remainder of the payment must be paid by 28 March 2011.

Prices do not include airline tickets, local transport, food and accommodation.

**Deadline for registration: 11 March 2011 to Market Select: [helle@marketselect.dk](mailto:helle@marketselect.dk).**

### Further Information

Helle Fuglevig, Market Select, T: +45 8680 0390, [helle@marketselect.dk](mailto:helle@marketselect.dk)

Mette Toft Christensen, Enterprise Europe Network Denmark, T: +45 8999 2503, [mtc@agropark.dk](mailto:mtc@agropark.dk)



#### Date:

2-10 April 2011

#### City/country:

Santiago, Chile

#### Sectors:

Pork industry  
Bioenergy

#### Registration:

11 March 2011

## B2KONYA-AGRI 2011

International Brokerage Event for the Agriculture, Agricultural Machinery, Dairy and Horticulture sectors in the context of AGRICULTURE FAIR 2011

The brokerage event is a very important opportunity for agriculture related companies from European countries to meet potential business and technology partners for pre-arranged b2b talks. The previous fair has been successfully organized with the participation of 581 companies and company representatives from 30 countries and has hosted 155.000 national and international visitors in the year 2010;

Konya is the biggest city in Turkey and has biggest farming lands. The event is embedded in Turkey's leading international trade fair for the mentioned sector.

### WHO SHOULD ATTEND?

The event is addressed to representatives from the agriculture industry, farmers etc., willing to find cross-border cooperation partners: distributors, subcontractors, licensees, technological partners, service providers or others. The event is also a platform for exchange on current developments, technologies and innovation in different countries.

### Further Information

Registration: <http://www.b2match.eu/b2konya-agri-2011/>

More info: <http://www.een.kso.org.tr/en/duyurular/detay/3828/>

### B2KONYA-AGRI 2011

#### Bilateral meetings

19 March 2011 Saturday, Konya - Turkey



#### Date:

19 March 2011

#### City/country:

Konya, Turkey

#### Sectors:

Agriculture - Forestry  
Food - Agro Industry  
Environment protection  
Automation - Robotics  
Heavy Metals Industry

#### Registration:

1 March 2011

# International Matchmaking Events

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## International Wine Brokerage Event 2011

Timis Chamber of Commerce Industry and Agriculture is organizing in the frame of Enterprise Europe Network - Romania the Brokerage Event for Wine, during the International Wine Fair, VinVest 8th edition, taking place from 15th – 17th April 2011 in Timisoara.

The International Brokerage Event is aiming to bring together wine producers, importers, technicians, researchers, technology transfer specialists, producers and distributors of accessories, packaging, restaurants and other wine professionals. The objective of bilateral meetings is to promote partnerships and develop business relations.

The participation on Wine International Brokerage Event is free (includes access to the International Wine Fair). Participating companies are required to fill in a short profile of their organization in the registration form.

### Further Information

<http://vinvest.ro/>

<http://www.cciat.ro/>

**Date:**

15-17 April 2011

**City/country:**

Timisoara, Romania

**Sectors:**

Food

Agro Industry

**Registration:**

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## 6th Taste Nutrition Health International Congress

The Taste Nutrition Health BUSINESS MEETINGS open a unique opportunity to exchange with other congress participants.

This event targets agrofood industries, laboratories, technical centres dealing with food and nutrition. The highlight of this event compared to others events of similar topics is the sensory approach (taste, flavour, texturation...). Any organisation (industry, public or private research lab, technical centre, French or not), having a technological or know-how offer or request or even seeking for partners is therefore welcomed to join the business meetings

The brokerage event is organised within the framework of the 6th International Taste-Nutrition-Health Congress in Dijon. Over 370 meetings were organized during the last edition. All information and registration (prior to brokerage event registration) can be found at [www.taste-nutrition-health.com](http://www.taste-nutrition-health.com) or on the above congress link.

### Further Information and Registration

<http://b2match.eu/taste-nutrition-health2011>

**Date:**

22-23 March 2011

**City/country:**

Dijon, France

**Sectors:**

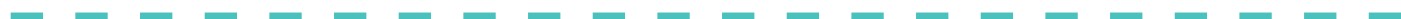
Food - Agro Industry

Biotechnology

Medicine, health

Pharmaceutical

Cosmetics

**Registration:**

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TECHMATCH IS PRODUCED BY

# EDITORIAL

TechMatch is produced by Agro Business Park, on behalf of the Enterprise Europe Network in the Nordic regions.



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## Facts about Enterprise Europe Network

### Who are we?

- 580 organisations
- 5000 experienced personnel
- Activities in 47 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



*Business Support at Your Doorstep*

[www.enterprise-europe-network.ec.europa.eu](http://www.enterprise-europe-network.ec.europa.eu)