Technology Searches

- Technology for drying fruit required
- Compact equipment for the small-scale production of egg powder
- Elimination of bad smell formation from household organic waste
- Novel continuous process for room-temperature production of biodiesel
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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TECHNOLOGY SEARCHES
Production of ecological fruit packaging
(Ref: 10 RB 1B1L 3IWM)
A Serbian company selling fruit to Eastern European and Russian market is looking for environmentally friendly packing technology. The material should be certified for food packaging use. The company is looking for subcontractor who would bring improvements in currently used technologies. They are open to work together with sought partner to further develop technology and to modify it to this specific application.

Biological degradation of ochratoxin A
(Ref: 11 ES 28G2 3K8A)
A Spanish and an Italian public research organisations have developed a biological method suitable for the degradation of Ochratoxin A in foods by using genus Brevibacterium bacteria. Brevibacterium is non-pathogenic, is naturally present in some cheeses and is used by biotech companies. Technological partners are sought to use the technology under patent license.

Technology for extended shelf life of mayonnaise and yoghurt-based salads
(Ref: 11 BG 0528 3KBV)
Bulgarian SME, specialised in production of mayonnaise-based and yoghurt-based salads is looking for a technology for increase of the shelf life period of the produced salads. The technology has to improve the conservation time and the shelf life of the salads. It has to allow preservation with no need of refrigeration and the conservation has not to be based on chemical preservatives. The company is looking for license agreement or Commercial Agreement with Technical Assistance.

Research on content and amino amid composition of protein in feed grain crops harvested
(Ref: 10 PL 61AL 3IQM)
A Polish university has carried out a research on grains intended for fodder purposes. Accordingly agronomic information on the conditions of growing grain crops was collected, from which the test samples were taken to research. The samples were analyzed for contents of protein, and its amino acid composition. The results can be applied to a mass grain production. Adaptation to specific needs and manufacturing agreements are sought.

Extrusion technology to develop new and improved food products
(Ref: 10 ES 23C7 3K0T)
A Spanish food technology centre offers its experience in extrusion techniques for developing new food products and for improving functional properties of vegetable products. The centre seeks companies interested in technical cooperation for developing new food products.

Inspection system for defects and foreign body detection in packaged food by means of ultrasounds
(Ref: 10 ES 23C7 3K0C)
A Spanish technology centre has developed an inspection system based on ultrasound technology that is able to detect foreign bodies in packaged food without causing any damage to the samples. The system can inspect over 10 packages per second. Foreign bodies and internal defects of any food in liquid or semi-liquid format can be detected. The technology centre is looking for a technical cooperation with food producers interested in incorporating this technology into their production line.

Technology for drying fruit required
(Ref: 10 SK 69CW 3JZ2)
Slovak company operating in the area of fruit cultivation plans to expand its activities and is looking for cost-and energy-efficient devices for drying fruit (apples, plums, pears, etc.). The device should be capable of simultaneously dry 0.5 to 2 tons of fruit. Required technology must be fully developed.

Technology for extraction of berry seed oils
(Ref: 10 SE 67CL 3JNV)
A SME in North Sweden is planning to establish production of high quality berry seed oils, good for consumption and for the cosmetic market. The company is looking for an extraction system, using super critical CO2. To keep down cost of investment, the company is looking for used pilot plant equipment or similar.

Microencapsulation of food ingredients by spray-drying based techniques
(Ref: 10 ES 23C7 3K0W)
A Spanish food technology centre offers its experience and facilities related to microencapsulation of high-added value substances for different purposes. This offer focuses on spray-drying based techniques, although the centre has also experience in other microencapsulation techniques. The technology centre is interested in technical cooperation for providing technical assistance to food companies interested in developing new food products.

Computer Vision for Sorting and Grading Agricultural Products
(Ref: 10 IL 80ER 3GAL)
An Israeli SME developed computer-vision based software for sorting and grading of agricultural produce. The software is currently applied on dates, abalones and radishes. Since it has independent learning abilities, the software may be adapted to many kinds of produce and existing sorting settings. Its main advantages are high rates of accuracy and major reduction in the number of required workers. Company seeks partners in the agricultural market in need of quality control.
**NOVELTY SURFACE DESINFECTION TECHNIQUE BASED ON THE USE OF OZONE**  
*Ref: 10 ES 23C7 3K15*

A Spanish food research centre has designed a surface disinfection system based on ozone technology. It can be used in the agrofood sector to disinfect process equipments and packaging. The use of ozone for disinfection purposes does not generate any chemical residues; it is more effective and requires less amount of water than conventional procedures. The centre seeks companies for commercial agreement with technical assistance.

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**Drying and grinding technology for berries**  
*Ref: 10 SE 67CL 3JO9*

A company in the North of Sweden wants a mild technology for production of berry powders. The technology should be able to dry and grind berry material containing 60-70 % water in the raw material. The dried material should be grinded into a fine stable powder. The technology must not destroy the bioactive components of the raw material. The technology requested can be either at laboratory stage or fully developed.

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**Extending the shelf life of fresh fruits and vegetables**  
*Ref: 10 TR 95LE 3JYS*

A medium size Turkish company seeks for a new technology to extend the shelf life of fresh fruits and vegetables. The offered technologies should provide considerably extended shelf life with maintaining the flavour, colour, and nutrients. The offered technologies should be proven and the company is interested in making license agreement.

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**A cheese production machine**  
*Ref: 08 PL 61AN 2RX8*

The company from Northern Poland has developed innovative cheese production machine. This is the first device allowing the milk processing into cheese under conditions of one dairy farm, in completely automatic way, according to computer program. The device can deliver technological and hygienic level of processing of modern dairy. The company is looking for a partner producing machines for the dairy interested in production of devices with commercial agreement and technical assistance.

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**Compact equipment for the small-scale production of egg powder**  
*Ref: 10 GR 49R1 3K69*

A Greek company of the farm supplies sector is looking for manufacturers of egg pulverizing equipment. The equipment should be suitable for small egg producers. The company is primarily looking for a technical cooperation partnership.

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**New technologies to improve the segregation of empty and full hazelnuts in it’s sorting machines**  
*Ref: 10 TR 95LE 3JYT*

Current sorting machines have a high classification error rate in segregation of empty and full hazelnuts. A small size Turkish company is seeking for new technologies to improve the efficiency of it’s sorting machines. The technology requested can either be at the laboratory stage or fully developed.
Ammonia (NH3) sensor is required
(Ref: 10 IL 80ER 3KSW)

An Israeli SME is looking for ammonia (NH3) sensor for ammonia concentrations in the air being from 0 to 100ppm. The sensor should withstand the harsh environment of a livestock enclosure. The sensor must serve at least one year. Its accuracy is acceptable to be +/-3%. The company is looking for any kind of partnership with those offering the technology.

Elimination of bad smell formation from household organic waste
(Ref: 11 IT 56Z6 3KAZ)

A research center based in the North-East of Italy has developed a preparation which eliminates formation of bad smelling volatile substances during storage of kitchen waste. This is a growing problem as the separate collection of the organic fraction of urban solid waste forces householders to keep organic waste in the bin for relatively long periods. The preparation is cheap, easy to use and do not interfere with subsequent composting treatments. They are looking for licence agreement.

Selective Electro Dialysis (SED) for nitrate removal from ground water - unique and proven Nitrate removal solution for potable water for municipalities
(Ref: 10 IL 80ER 3GO9)

An Israeli water treatment company has developed a breakthrough of SED (Selective Electro Dialysis) adapt for potable water for municipalities. The Technology is unique and proven stand alone plant that is able to treat Nitrates (chlorides and hardness) selectively (instead of treating entire water as the old technologies that they have many limitations). This and other novelties have great effect on the extremely low operational costs. The company seeks partners for joint collaboration.

Simulation of Urban Pollutant Dispersion
(Ref: 10 RB 1B1L 3JMC)

Serbian company has developed an computational fluid dynamics code and specialized in-house mathematical models for dispersion of pollutants over complex terrain. Using software and know-how the company’s staff is capable of predicting dispersion of pollutants over complex terrain and in urban environment. The company is looking for partners interested in technical co-operation to adapt and/or apply the software to their specific needs.

Method for skimming oil and other hydrocarbonaceous fluids from the water surface
(Ref: 09 PL 61AN 3E0R)

The small innovative company from northern Poland has developed new system for skimming oil and other hydrocarbonaceous fluids from water surface. The system enables efficient and extremely affective oil separation with insignificant maintenance costs. The company is looking for commercial agreement with technical assistance.

100% Herbal Multi organic fertilisers, in powder or pellet form
(Ref: 10 TR 95LE 3JYR)

A Turkish fertiliser manufacturer in Mersin, has developed a new type of fertiliser that is 100% herbal, organic and doesn’t wash out immediately in soil, remaining amount is useful for next planting. Production processes and the type of raw materials are also innovative and kept as know-how. The company plans to cooperate with a technology partner to further develop the product and exchange of know how.

Innovative and environment friendly process or techniques to reduce production costs, increase the efficiency of raw materials and energy and decrease production costs in glyphosate compounds production
(Ref: 10 TR 95LE 3JYV)

One of the leading agrochemical products manufacturers of Turkey, mainly producing glyphosate is expanding its production facilities with a new factory in Nigde to produce glyphosate compounds. They are in the phase to prepare technology infrastructure for the new factory and are looking for innovative and environment friendly process or techniques that reduce production costs, increases the efficiency of raw materials and energy and decrease production costs in glyphosate compounds production.

Automatic selection and cleaning system for bee pollen based on optical control of grains
(Ref: 11 SI 68CN 3KBS)

A Slovenian SME is offering an automatic cleaning and selection system for bee pollen. The system enables detection of visual properties of individual pollen grains similarly to the perception of the human eye. It allows different modes of grain selection, significantly increases the speed of pollen processing, includes learning methods and is easy to maintain. The SME is seeking commercial collaboration with technical assistance, license agreements as well as any other kind of collaboration.

Fish friendly and power generating small overflow dam
(Ref: 10 DE 0959 3JZQ)

An SME located in Eastern Saxony developed a “fish pass” to be integrated in existing and not deconstructable weirs (small over-flow dams) and other transverse structures in streams and rivers to enable a free movement of fishes and other organisms up- and downstream. The technology is available as a pilot. The company is searching for partners for technical and commercial cooperation.
Newly developed, mobile veterinary monitoring measurement system for breeding- and sport horses
(Ref: 10 DE 19A7 3K4V)
A company from Hamburg, Germany has developed a system for monitoring of horses at the upcoming births, suspected colic and healing process after surgery. Early knowledge of the beginnings of a birth, or a horse suffering from colics, is extremely important for horse breeders, owners, and vets. The company is looking for partners in the field of veterinary medicine, veterinarians, horse breeders, private horse owners, as well as partners for use in other animal species (for example, camels).

Bioremediation of Oil and Oil Derivatives Contaminated Soil
(Ref: 10 RB 1B1M 3JXG)
Small Serbian company developed mobile bioreactor as a new solution in the field of bioremediation of contaminated soil, which involves mounting the reactor on the contaminated site, preparation of biomass, scheduling and monitoring the process to complete decontamination. Bioremediation is process of cleansing and healing the soil by non-pathogenic microorganisms that can utilize harmful substances (oil and derivatives) as a food. Type of partner sought: joint venture, joint future development.

Boar Taint Detection
(Ref: 11 GB 77dz 3K6Q)
A British university has developed a rapid, low cost biosensor technology for the detection of boar taint based on screen printed carbon electrode technology to detect androstenone and skatole at suitable concentrations. This technology provides results within 5 minutes. The patent is pending therefore the university are seeking industrial partners for collaboration and/or technology licensing.

Weed cutter for eco-friendly control of weeds in cereal crops
(Ref: 11 SE 67CC 3K88)
A small company in South East Sweden has together with a research institute developed a weed cutter for eco-friendly control of weeds in cereal crops. The main advantage of using the machinery is that environmentally unfriendly spraying of chemicals will not be needed, but it is also a cost effective solution. The targeted partners are organisations interested in technical and/or commercial collaborations (with technical assistance).

Giant Planter/Lysimeter for measuring and controlling irrigation in agricultural and environmental research
(Ref: 10 IL 80ER 3K65)
An Israeli SME developed a giant planter lysimeter for measuring and controlling irrigation and treatment in agricultural and environmental research. The precise irrigation demands of each plant can be studied and then met. The system allows flexibility in parameters such as irrigation duration and intervals, composition of solution, manual override and computerized data reports. The company seeks commercial agreement with technical assistance.

The intelligent scales system designed to weigh plant protection agents
(Ref: 10 PL 63AU 3JV7)
Company from the South West of Poland is offering innovative intelligent scale for inventories’ monitoring of farmers. It is developed for farmers and for agro warehouse. Thanks to the technology plant protection agents are much better controlled. This solution makes it unnecessary to employ a sales representative to go to farmers and ask them about their needs and their inventories. The company is looking for a partner who would like to further commercialize the technology or buy a license.

Novel ionophore for nitrate detection
(Ref: 11 GB 46P4 3K9Y)
A Scottish university is looking for companies developing environmental testing instrumentation for a licence agreement around a novel ionophore. The patent protected ionophore shows high sensitivity and excellent discrimination characteristics for nitrate in the presence of potential interfering ions such as chloride and nitrite. The University is seeking parties interested in exploiting the ionophore for use in the construction of nitrate, salicylate or periodate anion detection probes.
Electronic circuit for reception and maximum utilization of electric power obtained from renewable energy sources as well as its storage into batteries (Ref: 10 HR 89GM 3JJ0)

A small Croatian company developed an electronic circuit that maximally raises utilization of electric power generated from "alternative" energy sources and that also accepts traditional modes of charging from the power grid, automobiles, trucks, etc. The collected energy is accumulated in lithium-polymer or lithium-ion batteries, but the device can also immediately forward that energy to a consumer. Company is open for license agreement, technical co-operation.

High-efficiency energy storage devices for photo-voltaic systems on board of sailing boats (Ref: 10 IT 53U9 3JXI)

A very smart Italian SME, active on new technologies and applications in the field of renewable energy, has already developed an intelligent Maximum Power Point Tracking (MPPT) Converter able to increase the efficiency of battery charging from solar PV systems, specially on board of sailing boats. The partners sought can be interested in commercial agreements or in cooperation to integrate the converter in an energy storage product suitable for PV systems for the nautical market.

Research on applying natural sediment deposition and binding materials for biocomponents for producing alternative energy sources (biomass) (Ref: 10 PL 61AL 3K2O)

A Polish foundation, operating in the field of environmental solutions has carried out a research on applying natural sediment deposition for producing alternative energy sources (biomass). The project concerns obtaining high raw material with the use of organic sediment and biocomponents. It is a material with high calorific value and low NOx emissions, SOx and heavy metals. Products formed from sediments are ideal as a universal fuel. Financial resources are mainly sought.

Novel continuous process for room-temperature production of biodiesel (Ref: 10 HU 50S5 3GFL)

A Hungarian institute has developed a novel continuous process for the room-temperature production of biodiesel. The main advantage of this technology is the avoidance of soap formation which so far cause many problems during biodiesel production (emulsion formation, washing problems, slow phase splitting, etc.) The institute is interested in a license agreement or commercial agreement supported by technical consultancy.

Micro-cogeneration unit with variable-speed generator (Ref: 10 SK 69CU 3JZS)

A Slovak research institute developed micro-cogeneration unit (MCU), equipped with variable-speed small-size generator and electronic converter which could be potentially powered by renewable sources of energy. The institute is looking for partners for further research and development support and financial resources.

Biomass Production from a Novel acidophile microalgae (Ref: 11 ES 27F4 3K8H)

A Research group from the University of Huelva (Spain) has isolated a new strain of microalgae from the Tinto river which is an acidic river with extreme conditions for life in the southwest of Spain. This microalgae has been found to be promising for some industrial products of high commercial value, specially for the production of biomass. They are open to several types of collaboration.

Intelligent device for transfer of data on consumed energy (Ref: 10 SK 69CX 3JZV)

A small Slovak company has developed an intelligent device for real time measurement and control of consumed energy, like electricity, gas, water, etc. Advantages of the given tool are: wide range applicability both for small and big customers, real time measurement and consumption evaluation. The company is looking for industrial partners from energy sector (energy providers) interested in further development, testing and implementation of new device.

Anaerobic co-digestion simulation tests at pilot scale (Ref: 10 ES 23C7 3K13)

A Spanish food technology centre has a large experience in designing biogas production plants. In order to get the most benefit from organic waste and to produce the maximum biogas it is necessary to determine the operating conditions beforehand. To define operating conditions, a decision making process helps when a biogas production plant is set up. The centre seeks companies to establish technical cooperation.

A boiler or heating equipment from biomass (Ref: 11 KR 9A9E 3KA1)

A company from south Korea which is specialized in the cabins and frames for the construction vehicles is looking for a technology would allow for the production of heat from biomass which is fed by such as chipped wood, pellet, wood industry residuals and wasted leads. The maximum size of the plant has to be 1MW (electric power). The company is interested in License Agreement.
FIND NEW INTERNATIONAL BUSINESS PARTNERS
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.
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, Frosia, 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.)

Price and terms of payment
DKK 22,000 excl. VAT. 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.

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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/

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 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/

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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 or on the above congress link.

**Further Information and Registration**
http://b2match.eu/taste-nutrition-health2011
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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

www.enterprise-europe-network.ec.europa.eu