Global reach for local companies...
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.

TechMatch is produced by Agro Business Park, Denmark, on behalf of Nordic members of the Enterprise Europe Network – the world’s largest business network.
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 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.
High intensity ultrasound device for atmospheric freeze drying
(Ref: 12 ES 23D2 3OKD)
Spanish researchers have developed a new high intensity ultrasonic prototype that will permit an affordable application of freeze drying to common foods as spices, teas, fruits, vegetables, meat or fish. Partners are sought for patent licensing or technical cooperation for the development of this technology.

Fine chemical and food fluids analysis by Near Infrared (NIR) spectrum Off line and on line measurement methodology
(Ref: 12 FR 35K7 3O6O)
A French SME has performed an intensive research program into Near infrared (NIR) technology leading to a method enabling to monitor multiple hydrocarbon streams properties in fast time. This technology is accurate, robust and reliable and therefore used in several production sites. Leader in the field of refining, the company wants to spread this method of analysis to other streams in agro food, pharmacy and cosmetic sectors through technical cooperation manufacturing and/or commercial agreements.

Complete and logistic picking and packaging line for fresh mushroom
(Ref: 12 NL 60F1 3O6P)
A Dutch manufacturer of machines for the food, processing and packaging industry developed a complete picking and packaging line for fresh mushrooms. This line can be extended with a 3D scanner making certain each package contains exactly the right weight/amount requested. Machinery can also be adapted for processing strawberries or cherry tomatoes. The company is looking for a commercial agreement with technical assistance.

High Pressure Processing of Foods
(Ref: 12 GB 39n3 3OM6)
UK researchers have developed and optimised High Pressure Processing (HPP) for food. HPP is a simple cost-effective treatment that can make food safer to eat and extend shelf-life without reducing vitamin content and without altering flavour, texture or appearance. The group is keen to enter commercial agreements with industry or to collaborate on research programmes with other academics.

Innovative technology and device to grill a sausage
(Ref: 12 DE 76DW 3O8Q)
A small German company invented and developed an innovative product to grill sausages in a simple and fast way by using a device similar to a toaster. The goal of the invention is to create simple solutions for the service sector, especially for the use in snack bars, kiosks, fairs etc. The company is looking for partners for license agreement, joint venture, manufacturing or commercial agreement with technical assistance. Moreover, further development or adaptation to new markets is envisaged.

Probiotic strains improving isoflavones bioavailability in soy milk and related products
(Ref: 12 ES 28G2 3OKX)
A Spanish Research Centre has patented three Lactobacillus strains capable of growing in soy milk and improving the bioavailability of isoflavones through their α-galactosidase and ß-glucosidase activity. Moreover, due to their tolerance to low pH and bile salts (up to pH=3.5 and 2%, respectively) they can survive and colonize the gastrointestinal tract, thus being suitable for manufacturing probiotic foods derived from soymilk. Partners are sought for license and development agreements.

Sunflower oil with high phytosterol content
(Ref: 12 ES 27F4 3OTY)
A Spanish public research organisation has devised and filed a patent application on sunflower oils with high phytosterol content, up to three times the content of regular oils. This high phytosterol content gives the oil a high nutritional value due to their capacity to reduce the blood cholesterol levels and makes their extraction to be used as ingredients for nutraceutical compositions feasible. Plant breeding, oil and/or functional food companies are sought for licence agreements.
**Freshness Indicator Specifically Developed for Seafood: Packing Based on Measurement of D-Lactate Levels**

(Ref: 12 TR 99PB 3OI1)

A Turkish company active in food packing market is introducing a packing technology which includes a specifically developed freshness indicator for seafood industry. The offered technology uses one of the most reliable freshness indicators and easily applicable to conventional packings. The company is looking for international partners for technical cooperation and manufacturing agreements.

**Prediction of the shelf life in foods with high level of polyunsaturated fatty acids (PUFAs)**

(Ref: 12 ES 28G2 3OHU)

A Spanish public research organisation has developed a method to predict the shelf life of food with high levels (>0.25%) of polyunsaturated fatty acids, such as (fresh or frozen) oily or semi-oily fish, by assessing their susceptibility to lipid oxidation. This method is more reliable than traditional ones that are actually non-predictive methods and are unsuitable for frozen food. Besides, the method is executable as software. License is offered.

**Seeking innovative and functional packaging solutions and/or a variety of packaging capabilities**

(Ref: 12 TR 99PD 3ON8)

A Turkish company engaged in plastic packaging industry is looking for innovative, cost-efficient and functional packaging solutions in food industry. The company is willing to increase the portfolio of its services and product differentiation capability by launching new products to the market. The company is interested in all types of partnerships, including licensing, joint venture etc.

**Innovative and safe disinfectant designed especially for the food and catering industry**

(Ref: 12 IL 80ER 3OEU)

A leading Israeli pharmaceutical company specializing in the manufacturing of disinfectant products has developed a multipurpose and safe innovative disinfectant in a form of a tablet that produces a blue colored solution letting users know when the post disinfecting rinse is complete. It is especially useful for the food and catering industry. The company is looking for joint further developments, new applications, joint ventures and commercial agreements.
Highly reliable and low carbon footprint biofuel from used vegetable oils
(Ref: 12 GB 403U 3OG0)
A company in the South-East of England has developed a method to produce a biofuel from used vegetable oils. The resulting fuel has a lower carbon footprint and more reliable performance than conventional biodiesel and can be used in any vehicle after minor adaptation (which the company’s partner can do). The company is looking for industrial partners or local authorities with large vehicle fleets, who are interested to jointly trial the biofuel in their fleet.

Procedure to obtain Biodiesel from oils with high fatty acid concentration using poly-styren sulphonic acid as a catalyst
(Ref: 11 ES 28G2 3LV7)
A Spanish research institution has patented a process for biodiesel production using an acid catalyst. This catalyst has the advantage of being soluble in polar media, which makes it very active in a homogeneous phase. In addition, the catalyst is reusable and can be recovered. It has been tested in the biodiesel synthesis from oils with high content in free fatty acids, triglycerides transesterification and for the furfural production. Industrial partners for licensing are sought.

New technology for conducting glycerol hydrogenolysis is offered
(Ref: 12 PL 63AW 3OFT)
Scientists from Polish University have developed an innovative method of glycerol hydrogenolysis using new type of catalyst and two solvents to produce propanediols. Glycerol hydrogenolysis and its propanediols are used in i.e. biodiesel, coolants, moisturizers, detergents, and protective coatings production. Scientists are looking for Research & Development units, and/or financial resources to conduct further tests. Technical cooperation and financial resources are sought.

Design Production and Installation of biomass combustion solutions
(Ref: 12 IT 55X7 3OG6)
An Italian trade association engaged in design, production, installation, selling, cleaning and maintenance of fireplaces, stove fireplaces, chimney and solar chimney and in maintenance and securing of plant flue systems is offering its know-how for technical cooperation and commercial agreements with technical assistance. Sharing of know-how with study centers or association in the same sector, for conducting joint studies and exchange researches are also welcomed.

Photovoltaic system for small houses is requested
(Ref: 12 PL 63AW 3OH3)
A Polish company is looking for systems producing electricity from solar power. Systems are to be installed in small and medium residential buildings, easy to use, and with a possibility to combine with electricity network. Company is looking for solutions that are already on the market. License agreements, joint ventures, commercial agreement with technical assistance are acceptable.

Ceramic panels for façades and roofs which can generate electric power
(Ref: 12 ES 23D2 3OK4)
A Spanish University has developed a process to produce ceramic panels for façades and roofs that can generate electricity. The materials used are cheaper, less fragile, less liable to undergo degradation over time and less sensitive to orientation and temperature than those used in the manufacture of traditional solar panels. The panels are tested at laboratory scale (25x25 mm samples). Companies interested in negotiating patent licensing agreements for this product and marketing it are sought.

Novel “green” refrigerant for Industrial Process Cooling & Renewable Energy Applications
(Ref: 12 GB 41n7 3OIO)
An East of England based SME offers a new patented refrigerant blend for use in industrial process cooling and renewable energy applications. The newly developed blend offers significant positive characteristics compared to existing alternatives (such as ammonia and liquid nitrogen) including reduced capital and running costs and compliance with EU legislation. The company seeks a large partner to produce the refrigerants and food freezing companies/OTEC system developers to utilise the blend.

Low energy consumption ignition system for pellet burners
(Ref: 12 SI 68CS 3OP1)
A Slovenian SME has developed an innovative pellet burner system. An important and innovative part of the burner is the low power - low energy consumption ignition system. It is based on direct contact between the pellets and the gasifying unit that can ignite the pellets in the burning chamber within a single minute and consumes only 100 W of electric power. Company seeks partner for adopting specific burners and implementing it into the partner’s product and further collaboration.
Combined LED-driver and LED-dimmer for installation in a wallbox
(Ref: 12 SE 67CJ 3ODR)
A SME in West Sweden has developed a unique patent pending technology for combined LED-drivers/dimmers in EU. Using these devices you will be able to save both time and money in installation work and material since this device can be mounted in a wallbox under a push-button close to the lighting group. Applications are for indoor and outdoor lighting. The company is looking for partners for commercial agreements with technical assistance and for licensing the technology for production.

Solution of green electricity production with low head hydro turbines and no impact on environment
(Ref: 12 FR 34K2 3NUW)
A French innovative SME develops and produces eco-friendly hydro turbines with permanent magnet generators with a high yield, as an efficient cost-effective and sustainable solution of electricity production for the residential or industrial energy needs with no impact on the ecosystem (fauna/flora). The turbines are compact, easy to assemble and can be installed at the unit, in series or in parallel increasing the power up to 200kW. The SME seeks Commercial Agreements with Technical assistance.

Innovative plug and play HTPEM fuel cell module
(Ref: 10 DK 20B3 3HBH)
An innovative Danish company specialised in HTPEM (High Temperature Polymer Electrolyte Membrane) fuel cells has developed a "plug and play" fuel cell running on methanol. The unit delivers 350W and weights only 11kg. Application areas could be backup power, compact generator setup, remote monitoring etc. The company is looking for commercial agreements with technical assistance including adoption to specific needs.

Development of enzyme-based catalysts and their application in the production of biodiesels
(Ref: 12 IL 80EP 3OPT)
An R&D Israeli company is developing biocatalyst substitutes to conventional chemical catalysts, presently used for production of biodiesel fuels. The company’s innovation is based on a new technology platform, which consists of the adaptation of enzymes for use in organic synthesis and immobilization of enzymes for industrial applications. The company seeks an industrial R&D partner to further develop, test and improve their novel technology.

Hydrogen and Fuel Cells Technologies
(Ref: 12 ES 29hS 3OPI)
A Spanish SME offers expertise in consulting, design, construction and implementation of engineering products and processes in Hydrogen & Fuel Cell Technologies, especially in Proton Exchange Membrane (PEM) components and applications. These technologies can be used as power supply for portable, stationary and transportation applications and allow the generation of electricity and heat on site with high energy efficiency and low emissions. The company is looking for tech. cooperation agreements.

Carbon coated TiO2 nanoparticles as anode material for lithium-ion batteries
(Ref: 12 DE 0855 3OT5)
A German university has developed a process to prepare and apply an active material in electrodes for safer, more cost effective, and environmentally friendly Li-ion batteries. The material is a titanium dioxide-carbon composite. Electrodes based on this composite provide among others improved cycling ability and safer operation. The process can be integrated in industrial secondary battery production lines. Industrial licensees are sought.
Agriculture & Environment

Compounds effective against Liberibacter that cause citrus greening disease
(Ref: 12 GB 41n7 3OK5)
The pathogens causing citrus greening disease, Candidatus Liberibacter, have only recently been genetically characterised. There is an urgent need to produce novel bactericides, based on computational chemistry or other means. A UK speciality chemicals company is seeking novel compounds with a scientific rationale, to jointly progress towards field trials with existing partners in the citrus industry.

Microbial composition for agriculture use
(Ref: 12 RO 662B 3OMY)
A Romanian research institute designed a microbial composition for biological control of soil pests and diseases in agriculture and developed the process for preparing it. The main innovative aspect and advantage of the offer: It is obtained from regenerable natural resources and bio-fuels by-products and waste. Type of partner sought: manufactures company to produce and sale it under license agreement, technical cooperation.

Technical cooperation for optimizing agri-food flows is requested
(Ref: 11 FR 38n0 3NBT)
A French SME based south of Paris is looking for agrifood optimization experts for optimizing raw materials’ flows. Competences in raw materials’ desalination are also sought. The company is looking for agrofood-related engineering offices able to develop a continuous process for raw material flows, and to cost it out.

New biopesticide products for thrips and whitefly
(Ref: 12 GB 41n7 3OO1)
A UK company active in natural crop protection products is seeking new biopesticide products. Suitable products should have field trial data as a minimum to demonstrate effectiveness against thrips and whitefly. The product may also be in the process of registration. The partner could be either academic or commercial interested in technical collaboration, licence agreement etc.

Drinking water treatment plant for ground and surface water, suitable for installation in containers
(Ref: 12 DE 18AS 3OOI)
A German enterprise works as a highly specialised manufacturer of transport tanks made of steel. To extend its portfolio the enterprise is looking for an innovative water treatment process/equipment with unique selling proposition. A high standard is required which can be completed with the own know-how. A technical cooperation is sought.

Device to measure the concentration of biomass of the environment
(Ref: 12 ES 28G2 3OOZ)
A Spanish public research institution has developed a device for measuring low concentrations of biomass of the environment by means of impedance measurements. The device is characterized for being fast, simple, versatile and very reliable, capable of measuring concentrations up to $10^2$ cfu/cm$^3$ at very short exposure times, surpassing the techniques traditionally used. Partners are being sought to exploit the existing know-how through a patent License agreement.

Maceration and electromagnetic breakdown of cell structure of grass silage
(Ref: 12 IE 51S6 3OO3)
An Irish SME is seeking a device for maceration and electromagnetic breakdown of cell structure of grass silage. The technology should be able to cut up grass silage from 500mm length to 5mm length.

Wastewater treatment plant in compact construction usable for installation in container
(Ref: 12 DE 18AS 3OOI)
A German enterprise works as a highly specialised manufacturer of transport tanks made of steel. To extend its portfolio the enterprise is looking for an innovative water treatment process/equipment with unique selling proposition. A high standard is required which can be completed with the own know-how. A technical cooperation is sought.

“Green” refrigerant blend for heat pump and room air conditioning equipment
(Ref: 12 GB 4103 3OXO)
An East of England based SME offers a novel “green” refrigerant blend for heat pump and room air conditioning equipment. The new blend adheres to forthcoming EU regulation and legislation around global warming potential of new refrigerants and can be used as a “drop-in” replacement for current refrigerant blends being used. They seek ethylene/ethanol producers for manufacturing opportunities and organisations that manufacture heat pump and a/c equipment and compressors for the widely used R410A.
Modified basalt fiber-based materials for purification of water surface from oil contaminations
(Ref: 12 UA RE05 3OPF)
Ukrainian researchers developed a new efficient material for purification of water surface from oil contaminations. Oil capacity is 15-20 kg/kg. Multifold re-generation is possible. After the purification only trace quantities are remained. The results were confirmed during verification tests in site. They are looking for partners for launching to the market, creation of a joint enterprise. Possible licence selling, maintenance etc.

New method for the joint capture of CO2 and SO2
(Ref: 12 ES 27F4 3OSE)
A research group from a Spanish University in collaboration with other research institutions has developed a new process aimed at the capture of CO2 and SO2 gases that are responsible for the greenhouse effect. This process is based on the use of residues rich in calcium. They are looking for an industrial partner to reach a licence agreement or a technical cooperation agreement.

New system for water treatment and grey water recycling
(Ref: 12 DE 0855 3OTC)
German company offers a new water treatment system that produces drinking water from any type of water or waste water. The system is based on patented hollow membranes that are integrated in a modular system that can be tailored to the respective requirements. No chemicals are needed. Water treatment companies and tank producers are sought for commercial agreements with technical assistance.

Public lighting secured by complementary renewable energy sources
(Ref: 12 FR 35k9 3OQT)
A French SME has patented an innovative solution coupling the traditional public 50 Hz continuous current with complementary sources from renewable energies. That solution enables to secure the public lighting, while at the same time reducing dramatically the overall energy consumption. The system has already been successfully tested. Users of such a system (public authority, city council, entities in charge of energy buildings management) are sought to integrate the technology.

Electrical installers, plant specialists, energy management companies required to start cooperation in the field of energy saving electronic devices
(Ref: 12 IT 53U1 3OPJ)
An Italian SME, operating in the energy saving sector, has designed an innovative device able to independently manage any kind of artificial lightning. The company is looking for electrical installers, plant specialists, energy management companies to start a cooperation dealing with testing and installing of the designed technology.
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.

What is matchmaking?

International Matchmaking Events
SEEAC Brokerage Event

Date: 23-24 May 2012
City/country: Västerås, Sweden
Sectors: Construction technology, Energy, Medicine, health, Environment

Registration:

You are invited to one of the most important matchmaking events in Sweden within sustainable: construction, energy, environment and accessibility.

SEEAC is a business-to-business event that provides enterprises with a platform for making new contacts and developing cross border business opportunities. Some 100 companies from many different countries are expected to participate in the event. Participating companies will use the matchmaking days to find producers, new products and co-operation partners for new markets.

All those participating in SEEAC share one thing in common, the desire to broaden their contact network and to find new co-operation partners for development, manufacturing and marketing. SEEAC provides a unique opportunity for you to find new international business contacts. Companies from several European countries and the U.S will participate.

Further Information and Online Registration
www.seeac.se

GENERÁ 2012 Brokerage Event

Date: 23-24 May 2012
City/country: Madrid, Spain
Sectors: Energy, Environment

Registration: 11 May 2012

Enterprise Europe Network madri+d organises GENERÀ 2012 BROKERAGE EVENT, an international Technology Transfer Day from the 23rd to the 24th May 2012, within the Energy and Environment International Trade Fair (GENERÀ).

GENERÀ showcases the complete cross section of energy sources and related industries involved in exploitation, distribution, technology and services with a focus on the efficient use of energy and respect for the environment.

The purpose of this event is to provide a meeting point for technology requests and offers in the following fields related to energy and environment:

- Solar Energy
- Cogeneration (Chp)
- Bio-mass
- Wind Energy
- Hydraulic Energy
- Waste
- Hydrogen and Fuel Cell
- Coal
- Gas
- Crude Oil
- Other Energies

The objective of the Technology Transfer Day is to promote agreements among companies, researchers and universities across Europe. Participants may provide opportunities for collaboration and business through aimed-to-agreement bilateral meetings.

Participants should provide at least one technology profile describing either a technology offer or a technology request. All technological profiles will be published at the event online catalogue.

Further Information and Online Registration
www.genera2012.b2b-match.com
International Matchmaking Events

Brokerage event at World Bioenergy Conference & Exhibition 2012

Date: 29-30 May 2012
City/country: Jönköping, Sweden
Sectors: Energy
Registration: 14 May 2012

Once again Sweden and the city of Jönköping will be the international bioenergy focal point hosting the 6th edition of World Bioenergy Conference & Exhibition from 29th-31th May 2012 at Elmia Congress Centre.

Enterprise Europe Network Jönköping together with Elmia Trade Fair will co-organize a brokerage event during the two first days of the World Bioenergy Fair. The matchmaking event will take place on the 29-30th May between 1 pm to 5 pm (29th May) and 9am to 5pm (30th May) in the matchmaking event arena located in Hall B at the Elmia exhibition & Congress Centre in Jönköping.

The matchmaking event is exclusively addressed to companies, research institutes, universities, municipalities and financial institutes that are actively engaged within the field of bioenergy.

Main areas of focus which will be covered:

• Sources of energy and feedstock
• Energy production, transmission and conversion
• Energy storage and transport
• Recycling & recovery

This year’s matchmaking event at World Bioenergy will also focus on the manure sector via the Action Plan of the EU Strategy for the Baltic Sea Region and the flagship project Baltic manure.

Further Information and Online Registration
www.b2match.eu/worldbioenergy2012

EXPORT DAYS’12

Date: 4-9 June 2012
City/country: Samsun, Turkey
Sectors: Agricultural and marine resources and products
                      Agriculture - Forestry
                      Food - Agro Industry
                      Fisheries, resources of the sea
Registration: 15 May 2012

The basic goal of the Export Days’12 organization is bringing together the firms in our region with invited international importers and purchasing firms, and provide a collective work between local exporting companies and foreign companies. Through this organization, the businessmen in our region will get the opportunity to strengthen the external connections and cooperation by pre-arranged bilateral business talks with selected importers and purchasing companies from all over the world.


Export Days’12 will be held in Samsun, which is stated in the centre of the Black Sea Region, between the dates June 04-09, 2012.

Further Information and Online Registration
www.exportdays.com
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

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

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.