

# network

## enterprise europe

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### Quicklinks:

[Recent technology offers and requests/ project partner searches](#)

[Upcoming events](#)

[News from the group](#)

[EU-Information](#)

## Editorial

### Enterprise Europe Network – short news about our work in 2013

As you might know, the deadlines for the FP7 calls have ended. This means that we already finished a cornerstone of our work - to support the building of consortia and to give advice on the funding procedures. Having focussed on this, we now go on with our "daily work" to match the commercial and technological offers and requests of all member's regions. Abstracts of selected profiles are again listed for you in the first section of this newsletter.

Please also follow our invitation to participate in our events. We organise them in the frame of leading fairs or conferences - and we offer you to add value to your visit of e.g. the biomaterial event in Wageningen or the Hanover fair this April by meeting future cooperation partners of your choice!

We are looking forward supporting to you. Enjoy reading our first newsletter 2013 in a new layout which allows us to summarize our information in a readerfriendly way- and whenever something is interesting for you, don't hesitate to contact us.

#### Magali Parent

Enterprise Europe Network Flanders, IWT  
Chairwoman of the Sector Group Materials

#### Annelies Bruhne

Enterprise Europe Network Germany  
Leibniz Universität Hannover

### Materials Sector Group

Is a cornerstone in the Enterprise Europe Network enabling innovations and building bridges between material research & supply and the other sector groups. The Sector Group Materials connects research, technology and business partners active in the wide diversity of the materials sector.

## Materials



newsletter



## Recent technology offers and requests/project partner searches

All technology offers and requests of the Enterprise Europe Network are available in full version under <http://www.enterprise-europe-network.ec.europa.eu/services/technology-transfer> –or contact your local EEN partner for more information and contact data.

### **Industrial Manufacture Processes**

#### **Offer: Insulated mould-building concept for high process reliability (Ref: 12 DE 1593 3PZG)**

A German SME has developed an insulated mould-building concept which enables high process reliability for product development, tool construction, tool manufacturing and series production. This technology allows to temper the mould insert individually according to special temperatures needed for different plastics e.g. thermoplastics, thermosets, elastomers and die-casting. Partners for technical cooperation are sought.

#### **Offer: Inline punching machine with integrated machining options**

A SME from the southwest of Germany is very strong in plant construction and engineering for the plastics, electrical and metal working industries. The company's main work is to design, to manufacture, to mount and to maintain machines for very special purposes. One of that special solutions is able to boost and speed up the production dramatically by an inline punching machine with integrated embossing, perforating and cutting options. A simple tool change makes the difference between punching, embossing, perforating and cutting. And it handles a wide range of materials. The company can tailor the tools for different materials and punch patterns. The SME is looking for technological and business oriented co operation within Europe. They are open for proposals and requests.

Contact: Mr Robert Burger, [burger@img-rlp.de](mailto:burger@img-rlp.de)

#### **Offer: Innovative and customized additive systems**

A SME from the southwest of Germany is supplying companies in the rubber, plastics, lubricants, pharmaceutical and chemical industries with innovative and customized additive systems and intermediate products since nearly 10 years. They source their raw materials via a network of professional partners. So they can give careful consideration to the legal and ecotoxicological aspects involved and observe health protection and safety standards from the outset of each project. A lot of their products is biobased. Since 2009 the company is certified by ISO 9001:2008. The SME is looking for technological and business oriented co operation within Europe. They are open for proposals and requests.

Contact: Mr Robert Burger, [burger@img-rlp.de](mailto:burger@img-rlp.de)

#### **Offer: Pressure measurements in evacuated sealed devices as a lifetime assessment tool (Ref: 12 SI 68CN 3QRF)**

Slovenian research institute offers an expertise in low-pressure and outgassing related measurements and the related know-how. These skills and knowledge are absolutely necessary during R&D phase and quality control of any evacuated sealed

device with a long life-time such as vacuum insulation panels, cathode ray tubes etc. in order to obtain fast feedback on the pressure evolution. Researchers are interested in licence, technical & commercial or manufacturing agreements.

#### **Offer: Materials Testing and failure analysis technology for multiple sectors (Ref: 12 GB 46P4 3RFO)**

A Scottish SME, specialists in materials testing and failure analysis are offering potential partners the use of their state-of-the-art sample preparation and analysis tools to find solutions to materials, manufacturing and reliability problems. They are offering their broad ion beam processing tool which allows relatively large areas of samples to be prepared for analysis without any deformation of the sample. This solution is applicable across a wide range of industries including electronics, polymers and plastics, pharmaceuticals, general engineering, etc.

#### **Offer: Business Cooperation offer (Ref: 20130123022)**

A company from North West Poland is well known in designing and producing wooden constructions, structures, rafters, tails, materials, houses and cottages. The company is looking for companies interested in the performance of assemblies in a form of reciprocal production, and, at the same time, would like to produce elements for ordering party. The company is offering and looking for reciprocal production as well as offering subcontracting services.

#### **Offer: Superproducers of Cyanophycin for green plastics (Ref: 12 DE 1375 3R34)**

A research group for microbiology of a German university has developed a Cyanobacteria strain as superproducer of Cyanophycin. They are able to produce large quantities of cyanophycin that can replace so far used petroleum-based materials. Thus it is a green technology. The team is searching for license partners and companies for a scale-up of the process.

#### **Request: PL, HU, GR: Representatives sought for customer-specific clay based products**

A long-established German company is operating in the field of mining and processing of clays. The company is looking for representatives in Poland, Hungary and Greece. The main products are clays, blended clays with various manifestations (e. g. powders, ready made casting slips, chamottes / grogs, sinter engobes). The company offers the development of customer-specific clay based products in various characteristics (grain size, fired colours, effects, physical consistency and behaviour) by quantities reaching from smallest lots up to shiploads. The partners should act as an exclusive commission agent exclusively for their own country in distributing the entire product range of the requesting company.

Contact: Mr Robert Burger, [burger@img-rlp.de](mailto:burger@img-rlp.de)

## **Recycling / Energy / Agriculture**

### **Offer: Smart-plastic disposable timers for food packaging/tamper evidence (Ref: 10 GB 46P4 3GD7)**

A Scottish company has developed a novel and cost-effective labelling process which indicates how long packs of cooked meats have been opened. The smart plastics are integrated into a timer which starts automatically on opening of the pack. The timer can be calibrated from 5 minutes to several days depending on the specific application. The patented technology relies on a change in atmospheric conditions to activate, and thus can be used as a timer; seal integrity check; and tamper evidence indicator. The label can be used in food and other perishable products. This Scottish company seeks strategic partner organisations for technical collaboration e.g. packaging manufacturers or packers interested in rolling out this food technology application globally.

### **Offer: Know-how and expertise on insects detection and handling, and biocides production and application for materials protection**

A Spanish research centre has developed a deep knowledge on the procedure and methodology that ranges from the detection of insects to the production and use of biocides to protect the wood, respecting the environment: efficacy tests, fully equipped laboratories, application systems for wood finishes and other materials and pilot plant to scale up the designed processes. The centre looks for partners to develop a joint project proposal or adapt its methodology to specific needs.

### **Offer: Conversion of renewables with innovative biotechnological process (Ref: 13 DE 1699 3RMF)**

A German research institute operates a multifunctional pilot plant facility converting renewables (1st/2nd generation, green biomass, residues, waste etc.) biotechnologically by enzymes and microorganisms providing bio-based products (e.g. lactic acid). Partners are sought for testing of products from the fermentation processes for development of new applications (i.e. by polymerization). Moreover, cooperation is feasible for the pre-treatment of feedstocks as well as the downstream processing.

### **Offer: Green Materials for Environmental Remediation (Ref: 12 GB 46P4 3PZQ)**

A World-renowned Scottish University with a newly invented innovative process of supported catalysts for the decontamination of polluted waters is seeking technical cooperation – via joint further development, testing or adaptations to specific needs – with SMES across Europe who need such materials for applications in water treatment. The catalysts are particularly of importance for the decontamination of nitro-aromatics compounds (NACs) which are commonly found in effluents of the chemical and mining industries.

## **Building & Construction**

### **Offer: Translucent composite laminates for architectural applications and landmark design (Ref: 12 NL 60AH 3ONS)**

A Dutch company has developed technology to make translucent composite laminates. These can have a high gloss gelcoat with a similar daytime look as normal gelcoated surfaces. During nighttime led light can shine through the material. This enables composite structures like facades, bridge elements and interior design element to be enhanced with additional built-in lightning and to create landmark designs. The Dutch company is interested in commercial agreements with technical assistance.

### **Offer: Novel high-tech polymer concrete blocks for sustainable production of simple buildings applicable in disaster areas**

A young German SME has developed a novel technology to produce high-tech polymer concrete blocks based on local materials such as desert sand for sustainable production of simple buildings applicable in disaster areas. The new technology is based on the use of local materials like desert sand and simple plug-together building blocks, saving crucially raw material resources and energy. The modular assembly systems are applicable for simple homes needed due to natural disasters, slum clearance and other distressed areas. The company is looking for technical cooperation with partners from the building industry and organisations dealing with humanitarian aid/emergency.

Contact: Ms Elke Römhild, [roemhild@stift-thuringen.de](mailto:roemhild@stift-thuringen.de)

### **Offer: Aminosilane modified pigments for preparation of spectrally selective paint coatings (Ref: 12 SI 68CN 3R8X)**

A slovenian research institute has developed spectrally selective paint coatings (SSPC) with better selectivity, adhesion and stability comparing to common paints and PVD coatings. The pigment particles are modified with reactive silanes what enables preparation of smaller pigment particles and better compatibility of pigments with organic matrix. SSPC are especially useful for solar thermal applications. The team is looking for partners for licensing and further development of selective paints

## **Upcoming events**

Events of the Sector Group Materials in the Enterprise Europe Network are open to interested enterprises or research organisation and are usually free of charge. You will be supported before the event to disseminate information about your organisation and know-how in advance of the event (by including it in online-catalogues, brochures etc) and you will receive information about other participants (of our brokerage events at international fairs) or visited organisations (at our company missions) in order to preschedule meetings and contacts of your choice. Even after the event we help you to stay in contact with the other organisation and we provide you with further information, e.g. funding opportunities for joint projects.

### **Mission for Growth to Greece on 11-12th March, and more specifically to the B2B matchmaking event on 12 March 2013 in Athens**

The aim of this B2B event is to promote business partnerships between Greek and European SMEs in sectors that are particularly important to economic growth in Greece, such as:

- Agrofood / Food processing
- Construction and Materials and Key Enabling Technologies
- Energy
- Information & Communication Technologies

- Pharmaceuticals / Health sciences
- Tourism

You can find all the additional information on the Mission for Growth Intranet page: <http://portal.enterprise-europe-network.ec.europa.eu/my/intranet/mission-growth-greece-0>

### **ITER Business Forum (IBF/13) - Toulon, France - March 21/22, 2013**

After the last edition which gathered more than 600 participants from 20 countries in December 2011, The EEN in France invite to participate in the next "ITER Business Forum 2013" (IBF/13) which will take place in Toulon, in the South of France, on 21 & 22 March 2013 with the participation and support of the ITER Organization and Fusion for Energy (F4E).

This event has been organized by the F4E Industrial Liaison Officers Network, with the support of the Toulon Tourist Office and the Var Chamber of Commerce and Industry. Between 600 and 800 participants are expected.

IBF/13 aims to provide European industry with updated information on ITER status, procurement procedures and forthcoming calls for tenders (2013-2014).

This event will include:

- an industrial conference with a plenary session and thematic workshops,
- "One to One" meetings scheduled on line by participants themselves,
- a poster session by trainees of EFDA Programme "Goal Oriented Training".
- a Welcome Reception on 20 March and a Gala Dinner on 21 March for networking purpose at the venue
- and as an optional programme:
- a visit of the ITER Site or a Discovery tour of Toulon's economic potential on 20 March
- sightseeing tours open to IBF/13 participants and accompanying persons from 20 to 23 March

Thematic workshops will mainly consist of presentations by ITER Organization and F4E technical experts on several topics. They will also include short presentations from ITER prime contractors or pre-qualified companies (Rank 1) mainly from Europe but also from Korea, India or the United States. The aim is to facilitate contacts with potential partners or subcontractors at the European or international level.

You will find on the [IBF/13 website](#) the provisional programme of this event.

Contact: Mr Bunh ng Hok, [bunheng.hok@oseo.fr](mailto:bunheng.hok@oseo.fr)

### **Biorefinery for Food, Fuel and Materials symposium on April 7-10 2013, at the Hof van Wageningen, The Netherlands**

From 7-10 April, the Biorefinery for Food, Fuel and Materials symposium (<http://www.wageningenur.nl/en/show/Biorefinery-for-Food-Fuel-and-Materials-2013-BFF2013.htm>) will be held at the Hof van Wageningen, in the Netherlands. On the 10th of April an international matchmaking ('Greenlab International') will be organised by Enterprise Europe Network Nederland in cooperation with Wageningen University and the Agro&Food, Materials and BioChemTech sector groups from the Network.

During this day the Enterprise Europe Network offers a cross-border networking event for entrepreneurs working in the different areas of (international) biobased business. To create significant value in the biorefinery industry a new cross-sectoral and integral approach is introduced by means of organizing a new form of matchmaking, called 'Greenlab International'.

The 'Greenlab International' is dedicated to inspire, learn, experiment, network and last but not least to act. The intended result of the 'Greenlab International' is to build dedicated biobased business clusters to develop promising business cases with committed entrepreneurs adding value to:

- Economic feasibility of biogas and biodiesel production
- Production and application of biobased polymers
- Small scale biorefinery and separation technologies
- Analysis, monitoring and quality control of biomass production
- Side- and waste streams of the agrofood industry
- Use chemical building blocks for market applications
- Side- and waste streams of the agrofood industry
- Use chemical building blocks for market applications

Registration is open until March 30th at <http://www.b2match.eu/bff2013>.

Contact: Mr Alain Dirven, [alain.dirven@syntens.nl](mailto:alain.dirven@syntens.nl)

### **Hanover fair: Brokerage event and Guided Tours, April 9-11, 2013, Hanover, Germany**

The brokerage event Technology Cooperation Days is a platform for SMEs, research institutions and universities to find partners for technology and research cooperations and business partnerships in preorganised one-to-one meetings. The Technology Cooperation Days 2013 focus on technologies and solutions to improve energy efficiency in factories and industrial production. This includes

- Energy efficiency & renewable energies in industrial buildings and plants
- Energy efficiency in factories and industrial production
- Nano- and Microtechnologies for energy efficiency
- Material technology for energy efficiency
- Services, advice, financing, funding for energy efficiency
- Ideas, proposals, partnerships for projects within research and intelligent energy programmes

Registration is open under [www.TechnologyCooperationDays.com](http://www.TechnologyCooperationDays.com) until March 25, 2013.

In addition the Sector Group Materials organises individual "Guided tours" to innovative companies and research organisations. Sector group members of five German Federal States (Lower Saxony, Saxony-Anhalt, Rhineland-Palatinate, Berlin-Brandenburg and Baden-Wuerttemberg) have joined forces in order to select suitable cooperation partners. Based on the cooperation requests of the participant we set up an individual tour that will certainly help to find promising contacts in a time efficient manner. The team invites participants of the brokerage event to benefit from this additional service.

Useful information:

- Guided tours take place upon request (marking the relevant box during brokerage registration) on April 9th and 10th

- The organisation team will contact the participant in advance so that the tour can be adjusted to the specific needs and personal agenda
- Each tour will comprise selected 4-6 exhibitors of the fair, the duration will be approx. 1 h.
- The tour participants will be supported before, during and after the tour by a EEN partner.

Contact: Ms Annelies Bruhne, [annelies.bruhne@zuv.uni-hannover.de](mailto:annelies.bruhne@zuv.uni-hannover.de)

## News from the group

### New Member in the Sector Group



The EEN in Scotland is led by Scottish Enterprise - Scotland's primary Economic Development Agency. Active in the Sector Groups Materials, Environment, Agro-Food, Sustainable Construction, Intelligent Energy, ICT and BioChemTech, the Scottish team delivers technology transfer, business cooperation and EU Funding support to its local organisations.

The Highlands of Scotland is supported by two further consortium partners – Highlands and Islands Enterprise and Highland Opportunity Ltd who deliver similar support to the businesses of the North West Coast and Island communities.

Scotland offers a broad range of technical expertise within the Materials space. Both academically and industrially, there is a strong history of innovation in the sector. University expertise in the fields of composites, biomaterials, forest products, nanotechnology, coatings, smart textiles and thin films complements well the 120 or so companies with innovative advanced materials at the heart of their business.

Industrial expertise in smart packaging, electronic functional materials, textiles and hybrids for sustainable construction, as well as metals and alloys and materials for fuel cells makes Scotland a land of opportunity for collaboration and business cooperation!

Contact: Mr Anis Mourad, [anis.mourad@scotent.co.uk](mailto:anis.mourad@scotent.co.uk) or Scottish Enterprise, Atrium Court, 50 Waterloo Street, Glasgow, G2 6HQ. Phone: +44 141 228 2797, [enterprise.europe@scotent.co.uk](mailto:enterprise.europe@scotent.co.uk), <http://www.enterprise-europe-scotland.com>

## Past event reports

### Space-MATCH Brokerage Event 2012: cross-over of Materials and Aeronautics & Space

Enterprise Europe Network Netherlands was co-organizer of the Space-MATCH 2012 brokerage event that took place on November 20th in Noordwijk, the Netherlands, in the European Space Agency (ESA) incubator building.

The Space-MATCH brokerage events started in 2006 as an initiative of the Netherlands Space Office, ESA and the Dutch research organization TNO. Though the involvement of both the sector groups Materials and Aeronautics & Space of Enterprise Europe Network the Space-MATCH 2012 was

successfully internationalized with participants from Sweden, Finland, Germany, Italy, France, Belgium and Canada. The team Enterprise Europe Network Netherlands, Nils Haarman of Agentschap NL and Paul Asselbergs of Syntens Innovation Network, is currently working on the follow-up of the 150 appointments made during Space-MATCH 2012.



### Company mission "Smart textiles", 11-12 June 2012, Weimar/Germany

The company mission organised by the EEN member "Stiftung für Technologie, Innovation und Forschung Thüringen (STIFT)" included a joint workshop, a matchmaking event and company visits on-site in the local smart textile sector. About 40 participants took the opportunity to meet in Weimar, coming from six countries: Belgium, Czech Republic, France, Germany, Italy, Turkey. Large groups came from France and Turkey with six participants each. The mission has been promoted by the SG Materials, but also by other Sector Groups like SG Textile and SG Construction.



### Information Day on the Nanotechnology, Materials and Production FP7, Valencia (Spain), 27 June 2012

REDIT as member of the EEN organised a regional info-day on the last Nanotechnology, Materials and Production FP7 call. Besides the technical information about the work programme, and other national and regional initiatives, a market place took place in parallel with the support of all the members of the EEN Materials Sector Group, where partner searches from all over Europe were promoted. The partner searches were aimed to complete consortia or launch project ideas to be submitted to European calls on R&D, such as the Seventh Framework Programme in its cooperation areas: environment, health, ICT, biotechnology and agrofood, nanotechnology, materials and production, transport, and its specific programme on capacities for the research for the benefit of SMEs. Other programmes also considered were Eco-Innovation and Eureka-Eurostars. Almost 50 companies showed their interest in the partner searches, it is expected that most of the started contacts with the European organizations will evolve into consortium agreements and technological collaborations.

## Enterprise Europe Network - Sector group meeting in Luxembourg Dec 2012

Within the Enterprise Europe Network (EEN), the materials sector group meets two times per year to coordinate the group's actions and work in general. This group consists of about thirty people that met on 4th and 5th December 2012 in Luxembourg in the frame of the +Composites International Forum

It was an opportunity to review jointly the upcoming events in common, to take stock of recent events and to share technology profiles of interested companies. Among the upcoming events we can note a brokerage event in Wageningen and Hannover (see events), a company mission on technical textiles in Sweden as well as a conference and visit at CERN scheduled for early June 2013.

The Goodyear for its part intervened by presenting technological areas involving nanomaterials and types of partners sought.



The +Composites International Forum was held on December 6th, 2012 at the Chamber of Commerce in Luxembourg. Many leading industrial companies and international research centres active in the field of composite materials took part in the day's events, which included B2B meetings, workshops and presentations on the topics of ecocomposites, matrices and nanocomposites, the quality control of composites, their life cycle, and their design and industrialization, as well as the regulation of fire safety. The sector group members took this opportunity to promote the event and to attract companies attending the conference as well as the matchmaking event. Finally, it was an opportunity for the group to welcome two new members of Slovenia and Scotland: Mr. Alen Draganovic of Joseph Stefan Institute and Mr. Anis Mourad company Scottish Enterprise.

## EU-Information

### European Patent Office welcomes historic agreement on unitary patent

The European Patent Office (EPO) welcomed the adoption by the European Parliament in Strasbourg of two draft regulations on the creation of the unitary patent.

It is based on two regulations, one creating the instrument, and one on the applicable language regime for the new patent. The EPO has been entrusted by 25 EU member states (without Spain and Italy) to deliver and administer unitary patents. The unitary patent will provide legal protection for inventors in 25 EU member states through one single administrative step. It will co-exist with national patents and the classical European patent with which it shares the legal basis and the procedure for grant (as laid out in the European Patent Convention), and from which it differs only in the post-grant phase: Under the unitary patent scheme, the EPO will also be in charge of centrally administering the patent, levying the annual renewal fees and distributing them to the participating EU member states. The fact that unitary patents will be treated as a single patent no longer requiring to be validated (including translation) and administered nationally in each and every state, will lead to massive savings in terms of time and costs. This should make Europe more attractive for innovation and investors and bring it on a par with its competitors in Asia and the US.

More details: [http://www.epo.org/news-issues/news/2012/20121211\\_de.html](http://www.epo.org/news-issues/news/2012/20121211_de.html)

### New Open Innovation Platform for functional textile materials

The website [www.2BFUNTEX.eu](http://www.2BFUNTEX.eu) has been designed to be a new Open Innovation Platform for functional textile materials. This free open innovation platform has only one objective: to foster innovation in textile companies and to enforce links with European research centres.

- An interactive database and information system where you can find information on projects, technologies (incl. innovative equipment and testing facilities), events, trainings and training materials related to functional textiles and related materials. You are also invited to upload your own information into the database.

A training materials database for universities and industry and a web based learning platform (in a later stage).

- A meeting place for project ideas & partner search (via the 'industrial needs' section)
- Conferences, workshops (for SMEs), brokerage events, training courses, etc.

The information uploaded in the database intends also to prepare an overview of the gaps between the existing technologies and the industrial needs. with the aim to lead to the creation of multidisciplinary project teams to support transversal research to close this gap between industry needs and available technologies, aiming to exploit the untapped potential and leading to the development of new industrial products.

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