

About Sector Group Materials

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

Content

[Cooperation Offers and Partnering Opportunities](#)

[News from the Sector Group](#)

[Upcoming events](#)

Dear Reader,

welcome to the last newsletter of the Sector Group Materials in 2016!

This newsletter provides you with the latest cooperation opportunities related to the materials' sector as well as relevant news from the European Union and information about upcoming international brokerage events.

If you wish further support regarding the services of the Network, please feel free to contact your local Enterprise Europe Network Partner.

Enjoy reading this newsletter,

Your Sector Group Materials Team

een.ec.europa.eu



EU NEWS

Report on 3D-printing: Current and future application areas, existing industrial value chains and missing competences in the EU

"This report aims to detect missing capabilities in European regions regarding current and upcoming 3D-printing applications. This will lay the ground for closer cooperation between actors across EU regions to accelerate the market uptake of 3D-printed solutions."

Source: <https://goo.gl/OkIKiy>, EEN-contact: Sara Maiez Tribut (sara.maiez-tribut@ardi-rhonealpes.fr).

SME Instrument: € 9.1 million to be invested in 189 innovative businesses

189 small and medium-sized enterprises from 24 countries have been selected for funding in the latest round of the Horizon2020 SME Instrument. Italian SMEs were particularly successful with 34 companies accepted for funding, followed by firms from Spain (30) and the United Kingdom (18). Most of the projects funded will be in the area of ICT (29), followed by transport and low-carbon energy systems (both 24). Source: goo.gl/q28JBA

Next Brokerage Events

23rd Polish-Czech-German Brokerage Event, 23 Nov 2016 in Jelenia Góra, PL.

H2020 Brokerage Event: Nanotechnologies and advanced materials, 4 Apr 2017 in Cambridge, UK.

[For detailed information, see p. 3.](#)

Industry 4.0 events in the context of EEN

Smart City Expo Brokerage Event 2016, 15-17 Nov 2016 in Barcelona, ES. [more](#)

ICT networking event - 120" Big Data, IoT and Security, 22 Nov 2016 in Vienna, AT. [more](#)

Outlook on Europe's Industry 4.0 future - The best projects H2020 FoF projects, 1 Dec 2016 in Graz, CH. [more](#)

CONTACT-Business Meetings 2017, 8 Mar 2017 in Leipzig, DE. [more](#)

IndustryMatchMaking 2017- IMM2017, 6 Apr 2017 in Sofia, BG. [more](#)

Future Match at CeBIT 2017, 20-24 Mar 2017 in Hannover, DE. [more](#)

Technology Cooperation Days at Hannover Fair, 25-28 Apr 2017 in Hannover, DE. [more](#)

Sector Group Materials Members



Cooperation Offers and Partnering Opportunities

The database with all cooperation offers and the list of the local EEN contact points are available at een.ec.europa.eu. Please choose the cooperation offers you are interested in and contact your local EEN contact point to receive more information. We will help you to contact potential cooperation partners.

Industrial Processes / Manufacturing

Offer: An innovative French SME proposes rheological solutions for industrial manufacturers (TOFR20160921001)

A French company developed specific skills in rheology. They are able to provide rheological technical solutions on demand and help partners to select services and products adapted to their industrial project. Various applications involving material flows in industrial processes are possible. The SME is looking for technical or research cooperation agreements mainly with chemical and medical industries. They offer their expertise and special equipments such as rheometers and formatting machines.

Offer: Dutch supplier of technical adhesives is looking for commercial agents in Belgium, France, Germany and the United Kingdom (BONL20160629001)

A Dutch SME is specialized in reactive polyurethane hotmelts for woodworking, packaging and textile industries. The hotmelts are used for example for flat lamination, edge banding or profile wrapping. The company is looking for commercial agents in Belgium, France, Germany and Great Britain with experience in these industries.

Ceramics / Thermodynamics

Offer: An experienced French SME offers technical support to industrials from UK, Germany, Spain, Italy & Switzerland for implementing thermochemical treatments non-altering surfaces critical properties (TOFR20160428001)

A French company develops an innovative low-temperature thermochemical treatment that hardens the surface of stainless steel or nickel-based alloys without altering the corrosion resistance. This treatment is adapted to be applied on rubbing parts like tools or prostheses in biomed applications, on parts of food cutting machines, on some mechanical products like valves or screws, etc. The company is looking for technical agreement with industrial manufacturers to implement this process.

Offer: Biodegradable materials with improved thermal resistance and acoustic insulation properties (TOES20160524001)

A Spanish technological centre expert in polymeric materials processing offers their know-how in the development of bio-fibres with improved thermal properties to produce 3D-fibre formed parts that can be applied in acoustic and thermal insulation. They look for partners for a technical and/or research cooperation agreement to adapt the materials to specific requirements and/or develop new materials for new applications.

Recycling / Energy / Environment

Offer: A French company is looking for technical cooperation agreement for their innovative cleaning technology using

supercritical carbon dioxide dedicated to mechanical industries (TOFR20161019001)

The French company has designed a cleaning equipment for an efficient degreasing and particles removal using supercritical CO₂. This exclusive technology, combined with the expertise, offers to industrial manufacturers an alternative, competitive and respectful of environmental standards, compared to detergent or solvent processes used for mechanical parts cleaning in industry. The company is looking for a technical cooperation agreement to develop the cleaning equipment with industrials.

Building / Construction

Offer: French company is looking for commercial agreements to valorize silica fume as an additive in concrete, plastics, rubber or other materials (BOFR20160818001)

The French plant produces silica fume, a by-product from the silicon processing composed by very fine particles of SiO₂ (silicate). The majority of these fumes is sold on the construction market for high performance concrete. However, some don't conform to specific standards and can't be sold on the concrete market for construction. The company wants to valorize this by-product and is looking for service agreements with partners who can buy and reuse silica fumes in industrial processes.

Offer: Use of advanced concretes with improved performance properties for construction projects and blue growth applications (TOES20160531001)

A Spanish SME expert in special concretes provides integral service in projects that require advanced concretes, designing and selecting the most appropriate according to required performance. They seek partners from civil engineering, construction, industrial and blue-growth sectors for a technical or research collaboration. The goal is to explore new sectors where very-high and ultra-high-performance fiber-reinforced concretes (VHPFRC & UHPFRC) advantages add value to clients and stakeholders.

Offer: Innovative process to obtain light and cheap aluminum forgings with improved performance against corrosion (TOES20150514002)

A Spanish company has developed a process to obtain aluminum forgings that are lighter and cheaper than traditional copper alloys, and with improved performance against corrosion. They can be used in any environment, even those with high humidity conditions: bathrooms, nautical, automotive or exterior building materials. They seek partners to incorporate this process in their production and to market the resulting forgings.

News from the Sector Group

**MS Multi MAT - new cluster in Lower Saxony
Microsystems based on multifunctional material compounds**

The cooperative network MS Multi Mat has the goal to develop and manufacture marketable products of microsystem technologies with the focus on multifunctional material compounds. Hereby the whole production chain from construction over prototypes to serial production is considered,

taken into account the development of innovative processes and applications. The five areas of expertise of the network are sensor technologies, material compounds, surface technologies, micro injection moulding and additive manufacturing technologies. The cooperative network concentrates the expertise and know-how of its partners in research and industry to increase the internetworking and therefore the competitive capability of small and medium-size companies. EEN-contact: Nicole Okoye (nicole.okoye@zuv.uni-hannover.de)

Report - September sector group meeting



This year's autumn SG meeting took place in Ljubljana. Members had the opportunity to visit some laboratories of the [Jozef Stefan Institute](#), the leading Slovenian research

institute: Laboratory of physical chemistry where part of the work is dedicated to the development of different hybrid sol-gel coatings, Department of electronic ceramics and Department of nanostructured materials where research on magnets, engineering ceramics, ZnO ceramics and biomaterials was presented to the SG. Part of the Department on nanostructured materials is also a group that is developing [biodegradable therapeutic protein patches for healing of chronic wounds](#) and is looking for licensing and research partners. During both days innovative Slovenian companies were available for the discussion on possible commercial and technological cooperations. Useful info about Slovenian economy is available [here](#).

Report - Brokerage Event IoT SWC 2016 : a success for IoT and M2M enthusiasts

236 participants, 35 countries represented and 750 meetings scheduled for the first edition of the brokerage event IoT SWC in Barcelona. Start-ups, SMEs, MNEs, technology centers, universities, clusters and keynote speakers have had the opportunity to meet at the IoT SWC during 20 minutes pre-scheduled sessions. You can check the cooperation profiles of the participants [here](#). This event was co-organized by ACCIÓ and the Enterprise Europe Network. See you next year at IoT SWC 2017!

"IoT Catalan Companies" catalogue @ IoT SWC 216 : the best guide to find your IoT partner !

Acció, the catalan agency for business competitiveness, published the catalogue of the 65 local companies attending the IoT SWC 2016. You can download this guide [here](#).

Upcoming Events

23rd Polish-Czech-German Brokerage Event, 23rd November 2016 (Jelenia Góra, PL)

The KARR's brokerage event is an annual event with a tradition of more than 20 years. The main theme of the forum is "advanced technologies and materials". The aim is to help Polish, Czech and German micro, small and medium enterprises in the establishment of business contacts. The event is targeted at entrepreneurs that work in: IT, new materials, logistics, metal and machinery, electronic, electrical energy, renewable energy and environmental protection, industrial automation, plastic and industrial subcontractors. [Website](#) or contact Natalie Sitavancova (+48 75 75 57 031, n.sitavancova@khkmsk.cz).

H2020 Brokerage Event Nanotechnologies and advanced materials, 4th April 2017 (Cambridge, UK)

The Enterprise Europe Network and partners invite you to participate in an international partnering event and information day for the Nanotechnologies and Advanced Materials themes of the NMBP Work Programme within Horizon 2020. This one-day event will introduce the forthcoming calls for proposals, present insights and expectations from the European Commission, and offer a unique international networking experience to forge the winning partnerships of the future. The programme will include presentations from the European Commission and its evaluators and an opportunity to build prospective project partnerships with leading research organisations and cutting-edge innovators from across industry. Participants will also have the opportunity to meet with National Contact Points and representatives of the Enterprise Europe Network and the UK's Knowledge Transfer Network. [Website](#) or contact Andrew Hebb (a.k.Hebb@greenwich.ac.uk) or Nils Haarman (nils.haarman@rvo.nl)