

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.

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Dear Reader,

first of all, the Sector Group Materials wishes you a happy New Year!

In this edition you will find the latest cooperation opportunities related to the materials' sector as well as information about upcoming international brokerage events. Furthermore, we would like to draw your attention to the opened [MANUNET 2017 Call](#). The aim of the call is to fund transnational application oriented and high risk R&D projects related to manufacturing and new materials for manufacturing.

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

Enjoy reading this newsletter,

Your Sector Group Materials Team



EU NEWS

Swiss businesses eligible for SME Instrument as of 1 January 2017

As of 1 January 2017, the family of associated countries that are able to fully participate in Horizon 2020 opened also to Switzerland. Consequently, Swiss companies can benefit from the SME Instrument programme, from which they were excluded until now. The programme provides about €3 billion in funding in the period over 2014-2020. The 2017 budget is almost € 440 million for 13 topics.

Source: EASME, <https://goo.gl/VUbgIB>

6th EU-US- Japan Trilateral Conference on Critical Materials

The theme of the 2016 Conference was "Strategies for Sustainable Supply of Critical Raw Materials". It was a good opportunity for researchers to network and for the relevant organisations to reconfirm the importance and relevance of such dialogue both at policy and at technical level. It was therefore agreed to continue the series of Trilateral Conferences on Critical Materials. Source: European Commission, <https://goo.gl/0niUsO>

Next Brokerage Events

Successful R&I in Europe 2017 - 8th European Networking Event, 2-3 Mar 2017 in Düsseldorf, DE. [more](#)

International B2B Matchmaking during ECOBUILD, 8 Mar 2017 in London, UK. [more](#)

JEC world International Composites Event, 14-16 Mar 2017 (Paris, FR) [more](#)

Business Meetings "Metamorphoses" on innovative materials, 28-29 Mar 2017 in Marche-en-Famenne, BE. [more](#)

Brokerage Event STOM 2017 for metal and machine industry, 29 Mar 2017 in Kielce, PL. [more](#)

IoTmatch Brokerage Event @ SldO, 5-6 Apr 2017 in Lyon, FR. [more](#)

2nd Biobased Economy Conference - "Turning Waste Into Value", 27 Apr 2017 in Potsdam, DE. [more](#)

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

Industry 4.0 events in the context of EEN

Future Match @ 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



European Waste Survey 2016

"Within the framework of a European project related to waste, we would like to invite you to fill in the European Waste Survey 2016. This survey aims to increase our knowledge of European citizens' opinions and behaviours towards waste prevention, recovery and recycling. Since 2013 the survey has been conducted annually and is used to measure the evolution of the situation." You can find the survey [here](#).

Launch of the new Watify campaign

"The European Commission is launching a new, second phase of the Watify campaign to boost the technological transformation of European SMEs. The primary objective is to encourage SMEs to transform their business by taking up advanced technologies (digital and other Key Enabling Technologies) and to connect them with the stakeholders who can help." More info about the campaign [here](#).

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.

Industrial Processes / Manufacturing

Request: Plastic pieces of an electronic board game are requested under outsourcing agreement (BRPL20161215001)
A Polish developer of electronic board games is looking for manufacturers of plastic pieces that can be further filled with electronics (led lights, wires etc.). The products will be a part of an educational game aiming to teach children programming skills. Cooperation in form of manufacturing or outsourcing agreement is requested.

Offer: Molybdenum nanowires for the production of touchscreen materials and as starting materials for the preparation of lubricants and catalytic membranes (TOSI20161213001)

A Slovenian research institute has developed a procedure for synthesizing molybdenum nanowires. The procedure is efficient, low-cost and scalable. Molybdenum nanowires may be used in various applications, including lubricant, catalysis or touchscreen technology. The researchers are looking for industry and research partners for license or technical cooperation agreements.

Offer: Polish company offers consultancy and training for successful Lean Management implementation in Manufacturing and Services in Polish, English, German, Ukrainian, Russian and Czech language (BOPL20161005002)

A Polish consulting company offers assistance in successful Lean Management introduction under outsourcing agreement. High efficiency of the lean tools' implementation is based on the belief in an open contact with employees and companies, building relationships and workshop methods. The lean solutions offered have long-lasting effects and translate into very good results.

Offer: Industrial partners sought who are interested in serial or customized carbon parts made by a Slovenian SME out of a

single carbon-fibre composite unit for a distribution services or manufacturing agreement (BOSI20161020001)

A Slovenian SME, a global designer and manufacturer of innovative high quality carbon fibre composite parts for the automotive industry (mainly motorcycles and cars), also capable of custom made production, is using its own technology for manufacturing high decorative finish complex-shaped closed body monocoques out of a single carbon-fibre composite unit (e. g. a one-piece fuel tank for motorcycles). Distribution services and/or manufacturing agreements are sought.

Ceramics / Plastics / Thermodynamics

Offer: An experienced French SME offers technical support to industrials from UK, Germany, Spain, Italy & Switzerland for implementing thermochemical treatments on 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 prosthesis in biomed applications, on parts of food cutting machines, on some mechanical products like valves or screws, etc.. The company is looking for technical agreements with industrial manufacturers to implement this process.

Offer: French university is looking for industrials to test new bio-based thermosetting polymers (TOFR20161104001)

A research laboratory in northern France has developed a new bio-based thermosetting polymer. This bio-based compound is a promising substitute for petroleum derived binder or thermosetting plastic. As a fire-resistant compound, it could have multiple applications for composites materials in building, transportation, packaging, electrical and electronic equipment field (insulation properties). The R&D lab is looking for technology cooperation with industrials / lab tested material.

Recycling / Energy / Environment

Request: Polish company is looking for partners to form joint venture for production of cellulose-based products (BRPL20161221003)

A company from North West Poland, with its own production halls and lines, is looking for manufacturers of cellulose-based products interested in launching their production in Poland. They are specialised in the production of disposable medical dishes. A cooperation in form of joint venture and/or reciprocal production agreement is requested. Their production is based on waste and recycled paper which is then processed into a cellulose pulp, from which final products are burned out. The firm has all the necessary permits to gather, store and recycle paper.

Offer: Deposition manner of bioactive coating of natural anionic polymer, especially alginate or hyaluronate on element made of titanium alloy (TOPL20161118001)

Polish scientists have developed a method of deposition of a bioactive polymer coating on the component made of titanium alloy for biomedical applications. The increase in biocompatibility and bioactivity of biomaterials is achieved

by electrophoretic deposition (EPD) of biopolymer (alginate, hyaluronate) coatings on their surface. The scientists are seeking a license and/or manufacturing agreement with an implants manufacturer, or a research institute, for in-vivo studies.

Offer: Polish scientists offer a novel palladium/copper nanocatalyst for the use in pharmacy, Sonogashira coupling and laboratory synthesis (TOPL20161104001)

The scientists from a Polish university have developed a novel method of obtaining nanostructures on surfaces, for example PdNPS/Cu, which is used as a catalyst in the synthesis of many organic compounds. The reaction products have a higher purity compared with products made by conventional methods. Licensees or manufacturers who produce or sell catalysts into pharmaceuticals, pesticides and plant protection products, electronics and optoelectronics markets are sought.

Building / Construction

Offer: Technical support for valuation of waste as secondary raw material (SRM), dedicated to building industry, provided by a French SME (TOFR20161117001)

A French SME offers support and experimentation services, for waste valuation as a secondary raw material (SRM). Their strategy relies on recovering all types of materials from various industries, i. e. treatment, clean up and adaption for the construction sector. Indeed, they look for building industry partners to develop the reuse of waste/used material, with the aim to adapt them to the local specific context (regulations, country specificities, etc.) through technical agreement.

Upcoming Events

Successful R&I in Europe 2017 - 8th European Networking Event, 2-3rd March 2017 (Düsseldorf, DE)

The conference invites researchers and entrepreneurs to find new European Research & Innovation (R&I) partners for Horizon 2020 projects. The event addresses especially universities and research institutes and small and medium-sized enterprises. Participants are invited to become involved in established and new technology networks between researchers, entrepreneurs and multipliers related to Horizon 2020. [Website](#)

International B2B Matchmaking during ECOBUILD, 8th Mar 2017 (Excel, UK)

The Enterprise Europe Network is organising a FREE-to-attend matchmaking event at Ecobuild, the world's biggest exhibition for sustainable construction. Sectors covered: Energy Efficiency Buildings, Competitive Low Carbon Energy, Circular Economy, Resource Efficiency, Smart Cities and Communities, Nature Based Solutions. [Website](#)

JEC world International Composites Event, 14-16th Mar 2017 (Paris, FR)

The JEC Composites Fair is the world's largest composite exhibition and the place to be for all material experts and stakeholders from the materials' sector. This is the ideal platform for innovative SMEs, research institutes and universities looking for partners for joint technology and research projects as well as business partnerships. Main topics will be: Fibres, Composite Materials, Plastics, Polymers, Carbon and Glass. [Website](#) or contact Sara Maiez-Tribut (sara.maiez-tribut@ardi-rhone-alpes.fr).

Brokerage event on railway industry, 22-23th Mar 2017 (Lille Grand Palais, FR)

TOPICS: Passenger and freight rolling stock / Track and infrastructure / Onboard comfort / Fare collection technology and products / Passenger information/ Signaling and train control systems and equipment such as composites materials / textile / lightweighting / non-fire / smart materials / surface treatment. [Website](#) or contact (e.marcelet@hautsdefrance.cci.fr)

Business Meetings "Metamorphoses" on innovative materials, 28-29th Mar 2017 (Marche-en-Famenne, BE)

Interested in innovative materials? COMPANIES producing innovative MATERIALS, or in search of new manufacturing PROCESSES, R&D KEYPLAYERS, Universities, Research centres, Engineering schools, Consultants, Architects, Designers... Looking to develop R&D, technological or business collaborations, with companies, designers, research key players. [Website](#)

Brokerage Event STOM 2017 for metal and machine industry, 29 Mar 2017 (Kielce, PL)

The STOM fairs held in Kielce is the showcase for the latest technologies as well as machines, the state-of-the-art technologies, tools and materials used in metal processing, including: laser and water cutting systems, bending and forming, die shearing and painting, machines, equipment and technological solutions as well as materials used in the welding industry, systems designed to support welding processes, automated equipment, robots, technological lines and technical gases. [Website](#)

2nd Biobased Economy Conference, 27 Apr 2017 (Potsdam, DE)

Smart ideas on how to use waste as a valuable resource to produce biobased products will be the centerpiece of the 2nd Biobased Economy Conference. In this context the real challenge lies in the development of biobased products that can compete regarding price, quality and overall performance with non-biobased products. [Website](#) or contact Ulrike Munz (Ulrike.Munz@zab-brandenburg.de).

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