

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,

would you like to know how competitive your region is?

The European Commission has published the third edition of the [Regional Competitiveness Index](#) for 263 EU regions, a study that provides useful insights for regions to boost their economic performance.

Moreover, this newsletter provides you with the latest cooperation opportunities related to the materials' sector as well as information about upcoming international brokerage events.

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

Your Sector Group Materials

een.ec.europa.eu



EU NEWS

Horizon 2020: Price 'Materials for clean air' - 3 Mio. EUR

To improve air quality in cities, the challenge set for this €3 million prize is to develop an innovative and well-designed material solution that will reduce the concentration of particulate matter in the air. The Horizon Prize on materials for clean air will be awarded to the most affordable, sustainable and innovative design-driven material solution that can reduce the concentration of particulate matter in urban areas. Contestants will be able to submit their entries from 26 January 2017 until 23 January 2018. Source: <http://bit.ly/2kQwM5F>

SME Instrument Overseas Trade Fairs: 5 new calls open

With the SME Instrument OTF programme the EASME supports internationalisation plans by giving easier access to overseas trade fairs. The EASME announces five new calls to participate to international trade fairs (TechInnovation, Gitex Technology Week, Lagos International, Arab health, CES International). Global-minded Phase 1 and Phase 2 companies are welcome to apply! Source: <https://goo.gl/gdUMYN>

Next Brokerage Events

International B2B Matchmaking Event at Ocean Business, 5 April 2017, Southampton, UK [more](#)

2nd Biobased Economy Conference, 27 April 2017, Potsdam, DE [more](#)

Interpack - Trade Fair for Processes and Packaging, 8 - 9 May 2017, Düsseldorf, DE [more](#)

Biomedica Brokerage Event, 9-10 May 2017, Eindhoven, NL [more](#)

Future of Building 2017 - Conference and B2B Brokerage Event, 17-18 May 2017, Vienna, AT [more](#)

IWBGPEAW - Workshop, 21-23 May 2017, Stockholm, SWE [more](#)

NEWTECH - International Conference, 5-9 June 2017, Belgrade, SRB [more](#)

EuroNanoForum 2017 - conference and brokerage event, 21-23 June 2017, Valletta, MT [more](#)

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

Industry 4.0 events in the context of EEN

Technology Cooperation Days at Hannover Fair, 25-28 April 2017, 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.

Industrial Processes / Manufacturing

Offer: A UK manufacturer of composite components is looking for advanced manufacturing partners

A UK composite components manufacturer is supplying marine and renewable energy sectors with high-end products (olympic boats, tidal power blades, wind power blades, etc.). The company's 22 000 sq. ft. production base is equipped with state of the art facilities for design, production and testing. The company is offering service agreements to automotive, defence, marine, renewables and aerospace industries.

Offer: UK company specialising in high performance paint protective coatings for the automotive market is looking for experienced distributors (BOUK20170209001)

A UK manufacturer of a car paint protection solution is looking for experienced distributors to help them reach local car dealerships and expand the market opportunities for their range in mainland Europe.

Offer: A method of colouring titanium or titanium alloy (TOSI20170119001)

A Slovenian research institute has developed a method of colouring products made from titanium or titanium alloys. The products are used in medicine (bone screws), the automotive and aerospace industry, and as décor or jewellery. Technology is more biocompatible and environmentally friendly in comparison with other colouring techniques. The researchers are looking for partners for license agreements with producers of titanium products with emphasis on medical implants.

Offer: Mould prototype line by additive manufacturing

A Spanish technological centre has developed a process based on additive manufacturing for the production of prototype moulds for short series and addressed to injection moulding or thermoforming processes. The moulds are produced using 3D printing polymeric materials with the technical characteristics required for each specific process. Currently they are testing new metal materials in the selective laser melting to develop the process for obtaining production moulds or insert moulds. They look for potential partners to collaborate in a technical agreement or a research and development project.

Offer: Innovative lightweight, high performing caliper body

An Italian SME active in the field of new advanced materials and technological solutions for different sectors, developed a patented technology for new caliper bodies consisting of carbon fibre reinforced thermoplastic resin joined with aluminum. They seeks industrial partners operating in the automotive area and related fields to license the patent either through exclusive or non exclusive licence agreements or in the context of technical cooperation agreements.

Request: New product development using 1,6 Hexamethylene Diisocyanate (TRKR20170205001)

A Korean company specialized in manufacturing chemical products is looking for technical partnership with European chemical companies regarding HMDI (1,6 Hexamethylene Diisocyanate), a raw material of Polyisocyanate. It will be used in coating of automobile etc. Cooperations sought by the

company are licensing agreements or technical cooperations and manufacturing agreements.

Offer: Integrated measurement and analysis applications for structural dynamics

A Dutch SME developed a software solution to characterise product excitation sources independent of a component test bench and predict sound & vibration levels on a target structure. The company is looking for partners in automotive, aviation or maritime industry to implement the software into the company's development process. Sought is a cooperation with a commercial agreement with technical assistance.

Ceramics / Plastics / Thermodynamics

Offer: High-strength, biocompatible non-oxide ceramic prosthesis

An Italian SME, active in the field of new advanced materials, developed a patented technology to manufacture high-strength, biocompatible non-oxide ceramic prostheses. This innovative material can be applied to orthopedic and dental prostheses and offer a safe and durable high performance. The company seeks industrial partners in the medical field interested in the patent either through exclusive or non-exclusive licence agreements or in the context of technical cooperation agreements.

Offer: New porous carbon material for thermally and electrically conductive plastics

A Dutch SME offers a new material consisting of pure carbon forming micron-sized three dimensional networks. These provide an optimum structure for enhancing the transfer of electrons, heat or mechanical forces. Added in low amounts, the performance of elastomers, thermoplastics and thermosets can be significantly improved. The company is seeking partners in various high-end industrial sectors for commercial agreements with technical assistance.

Offer: Graphene customized treatments based on green chemistry (TOIT20151214004)

An Italian startup focusses on graphene applications has developed a graphene production technology based on green chemistry. The technology can be used for the treatment or modification of many materials such as plastics, ceramics, composites, metals and so on. The company is looking for commercial agreement with technical assistance with companies dealing with materials issues and properties.

Metal

Research Request: Employing developed metal foam technology into energy and bio material industry (RDKR20161226001)

A Korean university has developed micro- and nano-sized porous metal foam for energy cells. Titanium and Nickel foam that employed this technology provide better performance than conventional carbon electrode. The foam can be applied in various areas such as in energy cell electrode and bio material. The university already formed a Korean consortium and is looking for a European partner for its commercialization.

Offer: Metallographic analysis sought for Slovenian developer and manufacturer of hydraulic valves

A Slovenian company specialized in hydraulic valves for off-road industry with emphasis on R & D is looking for metal technologies and metallographic analyses including physical

and chemical tests. They test and improve currently used metals, applicable for hydraulic valve construction and are looking for research partners or specialised enterprise under the service agreements.

Offer: Italian laboratory offers advanced metal foams production and applications for automotive, building and construction (TOIT20160901002)

An Italian laboratory active in machine tools and production systems has acquired advanced skills in the filling of hollow structures with metal foams. Advantages in terms of cost reduction, extensive applications, shock absorption, resistance to high temperatures, light weight, dynamic stiffness are given. The laboratory seeks service agreements with industrial partners facing limitations in machine tools; also research cooperation agreement is of interest to progress in R & D.

Offer: Suppliers of specific iron/steel, computer numerical control services and welders for hydraulic valves

A Slovenian company specialized in production of hydrostatic systems, predominantly in hydraulic valves, has invested in research and development, which resulted in opening of a new valve innovation centre in 2013. They seek suppliers of iron and steel, companies that offer computer numerical control services and welding services.

Offer: Italian SME offers polymers metal replacement process to save weight, time and cost (TOIT20160901001)

An Italian company specialized in R & D, highly skilled in injection molding of plastics and metal replacement processes, offers its 40 years experience and know-how in replacing metal parts/components with high performance polymers to companies in the field of mechanics, mechatronics, packaging, handling technology, automotive, oil-hydraulics, pumps, aerospace and medicine. Technical cooperation agreement is sought.

Offer: Specialists in 3D printing of metal for long-term service agreement

A Slovenian company is looking for companies with 3D printing capacities of metals, experts in metal-powders and impact analytics of parts, produced by additive manufacturing and in technologies for low-quantity 3D printing. Long-term service agreement would be signed with the most suitable partner.

Upcoming Events

International B2B Matchmaking Event at Ocean Business, 5 April 2017 (Southampton, UK)

Enterprise Europe Network will be hosting a free one-day matchmaking event alongside Ocean Business 2017 and the new Maritime and Defence Dual-Use Events on Wednesday 5 April 2017 and you are invited to attend. [Website](#)

2nd Biobased Economy Conference, 27 April 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 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).

Brokerage Event @ Interpack - Trade Fair for Processes and Packaging, 8 - 9 May 2017 (Düsseldorf, DE)

The trade fair interpack is an essential event for the food, beverage, confectionery, bakery, pharmaceutical, cosmetics, non-food and industrial goods sectors. Product categories are packaging machines and devices, packing materials and auxiliary, as well as machines and equipment for the production of confectionery, bakery products, snacks and cereals, pharmaceuticals and cosmetics, processing of food products and services. [Website](#)

Biomedica Brokerage Event, 9 - 10 May 2017 (Eindhoven, NL)

Main topics are Bioprocessing, Smart Diagnostics & Regenerative Medicine, Healthcare & Services and Medical devices. [Website](#)

Future of Building 2017 - Conference and b2b Brokerage Event, 17 - 18 May 2017 (Vienna, AT)

Learn more about INNOVATIVE SOLUTIONS FOR BUILDINGS, SUSTAINABLE REFURBISHMENT AND HIGH-QUALITY BUILDINGS in Austria, experience the latest technologies, share new project ideas and find cooperation partners for new business opportunities. Latest developments in the building and infrastructure sector, especially innovative solutions for buildings, sustainable refurbishment and high-quality buildings. [Website](#)

IWBGPEAW - International Wide Bandgap Materials Power Electronics Applications Workshop, 21 - 23 May 2017 (Stockholm, SWE)

IWBGPEAW proposes a focus on power electronics applications. The event also includes an exhibition area and networking opportunities with business-to-business (B2B) matchmaking. [Website](#)

NEWTECH 2017, 5th International Conference on Advanced Manufacturing Engineering and Technologies, 5 - 9 June 2017, Belgrade, SRB

NEWTECH 2017 is organized and hosted by University of Belgrade - Faculty of Mechanical Engineering, Department for Production Engineering. Conference topics cover a number of research areas in the field of manufacturing. Programme will include plenary sessions, special sessions, workshops, exhibitions, and social events for participants and accompanying persons. [Website](#)