



Nano and micro
technologies

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EDITORIAL

As SME entrepreneur it can be quite hard to find sufficient time to do all the right things! Let alone to do all the things right! The hassle of daily life can be quite time consuming and it is often the reason that long term visions and plans are postponed for..... the long term. If you find the time to create your own long term vision, the real challenge is to start with short term activities to implement this vision and make it come true.

As Enterprise Europe Network consultants we are in contact to ambitious SME's on a daily basis. By doing so we are aware of your daily struggles. In our meetings with entrepreneurs often the following question leads to interesting discussions: what do you have to do now to be as successful in five years as you are today? This seems to be a very simple question which often leads to very interesting discussions. Discussions about the future! Every entrepreneur loves talking about the future, about his or her ideas for the upcoming years, about their dreams and how to realize them. We are often appreciated for this role, for allowing the entrepreneur to share his or her ideas with us, compare them to trends and experiences in the same sector, because as said, we stay in touch daily with entrepreneurs from all walks of life. That means that every day entrepreneurs share their ideas with us. We recognize their needs and struggles. And we anticipate on them.

To know that other entrepreneurs are struggling with the same issues is in a way a very comforting thought for our clients. Of course this is nothing new, but still relevant to realize. Besides our partnersearch and matchmaking activities, talking to entrepreneurs about their dreams and needs is often an additional asset of our services unknown to our clients. Just think of this the next time one of my EEN colleague's visits your company.

We wish you a happy and fruitful networking 2019. And don't miss out on our next activities - Our program is quite promising.

Rim H.M. Stroeks
Chairman

1. FEEDBACK ON OUR LAST MEETINGS AND RELATED ACTIVITIES

- ESS Company Mission in Lund-Sweden, 15-17 May 2018

The European Spallation Source (ESS) is a European large-scale facility being built in Lund (Sweden). It will consist of a neutron source including a set of adjoining instruments and laboratories where neutrons are used to study all types of materials and gain knowledge about their structure and function. Neutron technology has a vast range of applications, from biotechnology to material science and from archeology to fundamental physics.



The mission organised by Invest in Skåne, Enterprise Europe Network partner in Sweden, in cooperation with Watify and the Micro & Nano Sector Group gathered 45 participants from 10 countries. It was an amazing occasion to discover the innovative ecosystem by visiting the most wellknown Institutes located there and companies.

Among the participants, the Swedish company PREBONA could join the mission and attend the B2B meetings. Thanks to the brokerage event, the SME already glimpses some International collaboration. Prebona solutions include groundbreaking antimicrobial systems, dirt repellent materials and odor eliminating substances based on nanotechnologies and is looking for partners working on facility management to distribute or paintings/inks manufacturers to integrate their products.

PREBONA could not only benefit of this International activity in his country but also decided to attend the following event in Besançon supported by the Micro & Nano Sector Group. Attending partnering events in your country can be an excellent way to discover and test our services and gives you the desire going international with the Enterprise Europe Network.

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- 11th Micro & Nano Event - Besançon-France, 27-28 September 2018



The event this time was combining the brokerage event organised at the Micronora trade-fair and a spotlight on young innovative companies who could present their activities during The Start-Up Scale-Up corner Pitch Session. The Micro & Nano Sector Group had a formal meeting at the Chamber Of Commerce and Industry of Bourgogne Franche-Comté and could interact with the members of EPoSS, European Platform on Smart Systems Integration. With 85 participants and 150 meetings organised, the brokerage event has already generated several promising exchanges that could lead to partnerships. It was also an occasion to identify potential interests for the mission supported by our group and that will take place in Braga – Portugal the first week of April 2019.

Outcomes with videos available here :

<http://www.micro-nano-event.eu/bilan2018/qb.html>

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Interclustering : French – German cooperation thanks to the Enterprise Europe Network

Connected thanks to the Enterprise Europe Network members, Zenit in Germany and CCI Bourgogne Franche-Comté, KIMW and PLASTIPOLIS, German and French clusters that specialise in plastics technologies, have engaged a very strong and long lasting cooperation. Following the meeting in Besançon on the occasion of the 10th Micro & Nano Event at Micronora fair in 2016 allowing several of their members to meet each other, they could successfully submit proposals in their respective countries to fund a new project for the development of new coatings and particles in the plastic industry - CAP/KIMW in Germany and RIF/PLASTIPOLIS in France.



The clusters launched officially the bilateral cooperation in September 2018 and signed the partnership agreement on the occasion of the 11th Micro & Nano Event.

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Report from the Photonics Days Berlin Brandenburg 2018

"Berlin is the hub for photonics in Germany"



Networking at Photonic Days 2019 © Berlin Partner für Wirtschaft und Technologie GmbH / Photothek

Over 600 visitors from all over the world came to the Photonics Days Berlin Brandenburg 2018. The topics covered almost all areas of applied photonics, from spectroscopy and solar energy to sensors for autonomous driving and quantum technologies. Start-ups, small and large companies as well as many scientists from Germany, the USA, Japan, Brazil, Israel and many European countries took part. Many of the local photonics experts could be met at the Photonics Days Berlin Brandenburg on 17 and 18 October in Berlin Adlershof.

For the full report please click the following link: <http://www.optik-bb.de/de/news/berlin-hub-photonics-germany-report-photonics-days-berlin-brandenburg-2018>

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2. KET4CLEAN PRODUCTION Let SMEs cooperate with Key centres

Micro grants of EUR 50.000 for manufacturing SMEs to collaborate with KET centres across Europe

Open call for proposals



The H2020-project KET4CleanProduction has launched a new matching platform (ket4sme.eu) interlinking SMEs and KET Technology Centres across Europe

Manufacturing SMEs aiming at integrating key enabling technologies for **clean production** are invited to submit a technology request to the platform to identify the best KET-expert EU-wide and to then apply for a micro grant to kickstart a transnational collaboration with leading KET technology centres (TC). Micro grants of EUR 50.000 will be granted for a successfully submitted cooperation

project between 1 SME and minimum 2 KET-TCs, which aims at integrating key enabling technologies to upgrade resource and energy efficiency of production processes. For further information on the application process visit: <https://www.ket4sme.eu/micro-grants>



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3. PARTNERSHIP OPPORTUNITIES

Looking for new colloidal silica nano particles to enhance the performance of a wide range of products.

A Dutch multinational is a leading supplier of nano-sized particles designed to enhance product or process performance in a wide range of applications. The company is looking for new materials, technologies, functionalities, and/or hybrids which can make their customers' products more sustainable, durable, and/or functional. Cooperation with partners would be in the frame of a research or a technical cooperation agreement.

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Powerful 3D microstructure simulation suite made for analysing metallic materials behaviour

A German university spin off offers a suite to simulate the microstructure of metallic material processes. It does not only provide common materials data such as stress-strain diagrams and composition maps without the need for extensive experiments, but it provides 3D data on all simulated quantities which can lead to new insights into materials development. Partnerships considered are on a technical cooperation and research cooperation basis.

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Up-to-date and advanced surface imaging, analysis and metrology software for use with profilers and microscopes

A French company specialized in surface and image analysis working on a new updated and advanced version of its software is looking for licence agreements and commercial agreements with

technical assistance with manufacturers of scientific instrumentation (scanning electron microscopes, scanning probe microscopes, profilometers, spectral analyzers etc.) to integrate its image/surface analysis solutions in their equipment. Cooperation with research institutes is also sought.

The company is working on a new version of the software to be released in 2019 which will include new possibilities and functionalities for applications in the field of nanotechnologies for analysis from the nanometer scale to the millimeter scale with a powerful set of tools for visualising, analysing and reporting on data.

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French designer and manufacturer of photonic and optical instruments is looking for commercial agency and distribution agreements

A French company designs and manufactures a new generation of high performance and easy-to-use single photon counting modules that enable worldwide scientists and engineers to measure very low light level down to a single photon. This superior photon detection allows them to achieve outstanding results, and remain at the cutting edge of their field. To enlarge their markets abroad, they are looking for new commercial agency and distribution agreements.

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4. UPCOMING EVENTS

European company mission at Techninnov – Paris – 13-15 February 2019



The CCI Paris Ile de France, as partner of the Enterprise Europe Network, organizes in close cooperation with their network partners, an international networking event during the **Techninnov event, 13-15 February 2019**. During, this reference event for the French innovation ecosystem, our networking event you will be given the opportunity to meet-up with relevant representatives from different companies involved in **Artificial Intelligence**.

- Wed 13 Febr: Welcome of participants and their EEN partners /Pitch of EEN clients /B2B meetings
- Thu 14 Febr: Techninnov Conference /Brokerage Event /Cocktail Networking Event
- Fri 15 Febr: Company visits

In the preparation of this trip, we will make sure you will be connected to the right partners, based on your needs and preferences.

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“Health Innovation Market” with Company Mission INL Braga, Portugal | 03-05 April 2019



The next meeting of the Micro & Nano sector group will take place in Braga, Portugal on 3rd to 5th of April 2019 at the premises of the International Iberian Nanotechnology Laboratory (INL).



A very interesting program is offered with company visits in and near Braga on the occasion of the Meetings with Health Innovation organised by the Health Cluster Portugal: “**from pipelines to market : accelerating innovation and creating value through public-private partnerships and procurement**” with a keynote address from National Health Service (England/UK) and sessions dedicated to 3 themes:

- Innovation in tackling neurological diseases;
- Innovation in tackling oncological diseases;
- Innovation in infectious diseases.

In parallel, participants have the opportunity to network at the EEN brokerage event, visit the Innovation Spot and Meet the Startups, Incubators, Accelerators & VC. Technical visits of INL facilities and labs will also be organised during the afternoon.

On the final day a joint meeting of the Micro & Nano sector group members is planned with Spanish and Portuguese clusters and CeNTI – Centre of Nanotechnology and Smart materials.

Invited clusters are the following :

- Health Cluster Portugal : <http://healthportugal.com>
- The Galician Health Cluster : <https://clustersaude.com/en>
- BIOGA Life Sciences Technological Cluster : www.bioga.org

- Cluster for Engineering and Tooling : www.toolingportugal.com

More than 100 participants, highly specialised medical and health companies from Portugal, Spain, Israël and other countries are expected. The Micro & Nano sector groups members will bring at least one company or organisation per member.

Follow the members of the group via LinkedIn. The platform for registration will be soon available.



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