



### *editorial*

With some pride I am presenting to you the first edition of the newsletter of the Sector group Micro- and Nanotechnologies. The newsletter is a new way to inform you, our clients, customers and partners about the activities, the facts and figures of our group. As most of you already know, our group hosts dedicated and motivated networkers all over Europe that know their way around industry, research institutes and universities in over more than 20 European countries. Not only as individuals, but as a group in total, we are eager to assist you, our clients, to take your next step forward in business. Whether it is with this relevant business contact in Sweden, or the search for a development partner in Italy, the missing link to this scientist in the UK or cluster in Germany, we are there for you! So let this newsletter not only inform you on activities that could be relevant for you, but see it also as an invitation to contact us and start cooperating with us.

Please be our guest!

**Rim H.M. Stroeks**  
Chairman

### *summary*

OUR MISSION

SOME ACTIONS

EUROPEAN OPPORTUNITIES

FP7 IN BRIEF

REGIONAL FOCUS

UPCOMING EVENTS

## MISSION OF THE GROUP

Micro & Nano sector group addresses the growing importance of nano and microtechnologies, a sector with huge potential for technology transfer and R&D collaborations and with a rising debate on legislation, policy development and ethics.

Actions include :

- Mapping of regional competences and needs
- Brokerage events and missions for business, technological and research partnerships
- Information and first stop assistance to FP7 programs and other relevant EU initiatives
- Information on EU policies and legislation and assistance in policy development through Interactive Policy Making (IPM).

Micro & Nanotechnologies are not only of importance for high-tech companies but could provide a wide range of solutions to traditional industry as well.

## SOME ACTIONS LED IN 2011

### Our biggest company mission...

One of our main collective actions in 2011 was certainly the first meeting of that year of the Micro & Nano sector group. It took place in April 2011 in Grenoble (France). Each member of the Group involved themselves by bringing at least one local company or research laboratory to explore Minatec campus and to take part in B2B meetings.



[www.minatec.com](http://www.minatec.com)

A success for the group: 58 European participants participated in 120 pre-arranged meetings that have already resulted in a trans-national cooperation between a German and a Dutch company.

### Connecting Franche-Comté area to Eindhoven

First contacts between organizations from Eindhoven (the Netherlands) and Franche-Comté (East of France area), such as DSPE and the organizers of the trade-fair Micronora were made in 2010 at the fair in Besançon, France. These contacts initiated by Enterprise Europe Network partners were followed in 2011 by two company missions in Eindhoven, in less than 6 months. The first one on 8<sup>th</sup> of June was the occasion for ten selected participants to discover the High-Tech campus. The second one on 30<sup>th</sup> of November and 1<sup>st</sup> of December 2011 was organized during the Precision Fair. In both cases, the exchanges were really promising and during the second mission a Partnership Agreement was signed between two very innovative companies.



New results can be soon expected.

Giving our clients the opportunity to meet several times enhances the chance to see them engaging cooperation. Give your company the opportunity to capture international business with the support of your Enterprise Europe Network partner.

## MICRO & NANO OPPORTUNITIES

### Nanotechnologies and Surfaces

#### Nanotechnology Treatment for Films to Be Laminated into Glass

(Ref: 11 TR 99PB 3K9S )

A Turkish company producing glass for defence and construction industries is looking for a novel nanotechnology treatment that enhances novel properties to the films to be laminated into glass. The company is looking for commercial agreement with technical assistance.

#### Powder metal parts reinforced by nanoparticles

(Ref: 11 HU 50R9 3NKK )

A Hungarian R&D company developed a brand new technology for producing nanofibers inside the parts. The offer is suitable for companies dealing with PM technology-powder metallurgy. The technology is adventurous in electric motor core, bushings producing, fission fuel (pellet) production. The company is mainly interested in widening the application field, but also prefers other co-operation possibilities supporting additional development; commercial exploitation; or financing issues.

#### Nanodiamond powder applications

(Ref: 11 IL 80EP 3NMN )

An Israeli company developed original competitive technology for nanodiamond synthesis and introducing diamond nanoparticles within various media. The company is seeking industrial partners for collaboration in R&D projects in the field of nanodiamond applications aimed at the commercialization of its technology and products.

#### Interested in our database?

See the latest update of the Market Place on the Enterprise Europe Network website:

[www.enterprise-europe-network.ec.europa.eu/](http://www.enterprise-europe-network.ec.europa.eu/)

You can have yourself a profile published in the Enterprise Europe Network database.

#### Advanced nano-coating with high-speed ion-plasma magnetron sputtering technology

(Ref: 11 LV 58AD 3NJV )

A Latvian company has developed a nano-coating method for significant increase of the usage time of coated parts and improved functionality. The patented technology is based on high-speed ion-plasma magnetron sputtering (HIPMS) in a vacuum chamber allowing to make a wide range of high performance multi-layer, multi-component coatings for elements used in tooling, automotive, aerospace and micro-chip industries. The company is looking for various forms of technical cooperation.

### FP7 IN BRIEF

#### Micro & Nano calls – 2013

Publication of 2013 calls is expected in summer 2012. Enterprise Europe Network's members offer assistance for R&D partner searches.

#### Horizon 2020

The European Commission has adopted on November 30<sup>th</sup> its proposal for the next Research and Innovation Framework Program called Horizon 2020 covering 2014-2020 period. The budget proposed represents € 80 billion. Horizon 2020 is expected to start in January 2014.

### REGIONAL FOCUS : TURKEY

The previous meeting of the group took place in November 2011 in Turkey. The host member, the Sabanci University, made a presentation with a focus on IST-BUSINNOVA consortium. This country is really active in micro & nano fields. The group visited research institutes and a company. It was the occasion to explore SUNAC, the new Nanotechnology research and application center (around 25 € M invested). Most of research centers and SMEs are open to technological cooperation with Europe.

## MICRO & NANO UPCOMING EVENTS

Following events are supported by the Micro & Nano sector group :

### Nano Update, 27-28 march 2012, Helsinborg, Sweden



smaller  
smarter  
lighter  
stronger

nano **2012**  
**UPDATE**  
HELSINGBORG, 27-28 MARCH

Focus on: surfaces, life science, production & safety, Science to Business & Matchmaking.

Last edition in May 2011: 229 participants in conferences, 123 meetings during the brokerage event.

[www.update2012.org](http://www.update2012.org)

### TEW, 9<sup>th</sup> of May 2012, Milan, Italy

**Technology Exhibitions Week  
Brokerage Event**  
Wednesday 09th May 2012



The Technology Exhibitions Week (TEW) will be held in Milan (Italy) from 8<sup>th</sup> to 12<sup>th</sup> May 2012, a week dedicated to the main industrial technologies with four simultaneous trade fairs held at the same premises: Fluidtrans Compomac, Mechanical Power Transmission & Motion Control, Plast, Xylexpo). In this framework, the Micro & Nano sector group will have his first meeting of the year. A brokerage event (9<sup>th</sup> of May) will allow companies and research laboratories to meet and exchange during B2B meetings and discover Italian excellences in the mechatronic sector.

[www.b2match.eu/tew2012](http://www.b2match.eu/tew2012)

### 8<sup>th</sup> Micro & Nanotechnologies brokerage event within Micronora, Besançon, France

Micronora is the bi-annual microtechnology trade-fair that held in Besançon France. The brokerage event has been organized since 1998. In 2010, around 120 participants participated in 344 B2B meetings.



Next event is already planned and will take place on 27-28 September 2012

Outcomes, information, registration:

[www.micro-nano-event.eu](http://www.micro-nano-event.eu)

**This newsletter is an initiative of the Micro & Nano sector group.**

Chair of the group: Rim Stroeks, Syntens, Netherlands –  
Vice chair: Mehmet Kirca, Sabanci University, Turkey -  
Communication : Anne-Marie Vieux, CCIR de Franche-Comté and Melissa Machecler, CCI Essonne, France.  
Visit the Micro & Nano sector group page on the Enterprise Europe Network website to get the name and contact details of the member in your country:

<http://www.enterprise-europe-network.ec.europa.eu/about/sector-groups/nano-microtechnologies>

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