



EULASUR

Network in Advanced Materials and Nanomaterials of industrial interest between Europe and Latin American Countries of MERCOSUR (Argentina-Brazil-Uruguay)

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D1.2 EULASUR Workshop

"Materials of social, economical and political interest"

"Starting-up and managing companies in the field of Materials and Nanomaterials""

CBS, Copenhagen, Denmark, 14-16 March 2012

Organizers: CBS: Leif-Bloch Rasmussen, Janni Nielsen

VN: Nicola Trevisan
UNLu: Hernán Bacarini
ICMAB-CSIC: Susana Garelik

Director of the Workshop: Leif-Bloch Rasmussen, Janni Nielsen

Date of Preparation: April 2012

Project Coordinator: Prof. Carlos Miravitlles Torras

Legal entity name: Agencia Estatal Consejo Superior de Investigaciones Científicas

Project website address: www.icmab.es/eulasur
Workshop website address: www.icmab.es/ews2012



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1. Summary of the Workshop

The 2nd EULASUR work-shop was held at Copenhagen Business School, Denmark on March 14.-16, 2012. The work-shop attracted 62 participants, including invited speakers.

The work-shop had two themes:

- 1. Materials of social, economical and political interest
- 2. Starting-up and managing companies in the field of Materials and Nanomaterials

These two main themes spanned one day each. They were supplemented with a third theme on the last day as the EULASUR project during its two summer schools in Argentina and the first work-shop in Brazil had shown the needs and wishes for presenting potentials for future co-operative work among partners - and for presenting new joint project proposals.

As public investment in R&D is one of the driving forces of scientific advances, in Europe and in BRAU countries, private investment is becoming more and more necessary especially to exploit the research results. This collaboration between industry and public research is a key factor to competitiveness, economic growth, social cohesion and sustainable development. It calls for the design of management models, where universities, companies, public institutions and engaged citizens interact in order to create cross-disciplinary and cross-sectorial innovation and entrepreneurship. Therefore the work-shop had a strong focus on creating interactions for bridging gaps between these actors in education, research and innovation.

The interactions showed that the bridge between research and industry, commercialization – sometimes referred to as the 'Valley of Death' – is actually a reality, even though a great effort has been done to attract participants from industry. Furthermore the work-shop also showed that bridging the gap across language and understandings on nano-technology and nano-structured materials are even more profound. However having representatives for all actors interest groups present at a work-shop also showed a good-will of interest, especially, where the potential for understanding risks goes hand in hand with the need for creating jobs and companies.

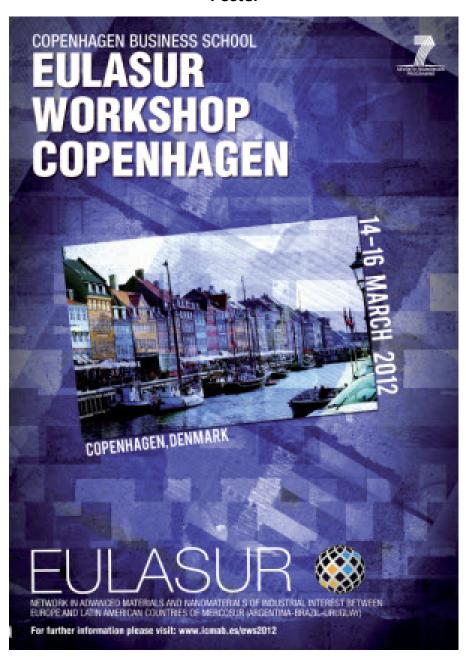


2. Corporate Image

A specific corporate image of the Workshop was designed and different promotional tools developed:

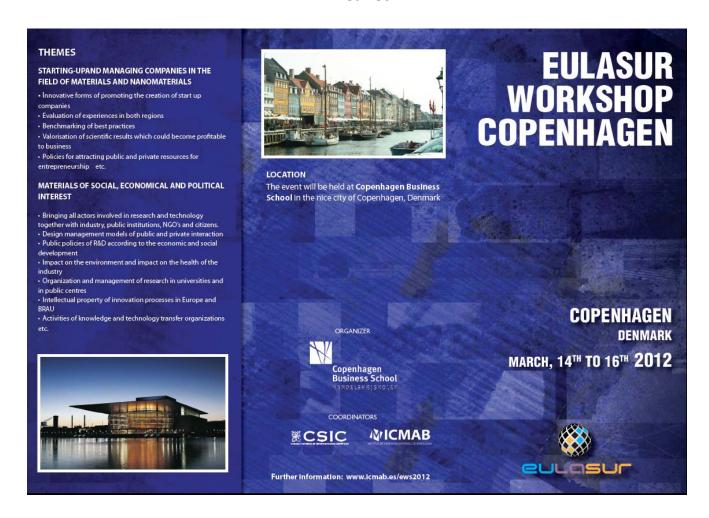
Website: www.icmab.es/ews2012 (available also trough project website www.icmab.es/eulasur)

Poster





Leaflet





3. Workshop Programme

The work-shop was organized by J. Nielsen/L. B. Rasmussen, CBS, N. Trevisan, VN, H. A. Bacarini, UNLu and S. Garelik, CSIC. It aimed at creating:

- Contacts and confidence between the researchers and economic and social stakeholders must be build
- Interaction: Universities, industrial companies, public agencies, NGO's and citizens
- Collaborations projects and proposals for the future

In order to do that the themes were:

- 1. Materials of social, economical and political interest
- 2. Starting-up and managing companies in the field of Materials and Nanomaterials

The first theme included:

- Bringing all actors involved in research and technology together with industry, public institutions, NGO's and citizens.
- Design management models of public and private interaction
- Public policies of R&D according to the economic and social development
- Impact on the environment and impact on the health of the industry
- Organization and management of research in universities and in public centres
- Intellectual property of innovation processes in Europe and BRAU
- Activities of knowledge and technology transfer organizations

The second theme included:

- Innovative forms of promoting the creation of start up companies
- Evaluation of experiences in both regions
- Benchmarking of best practices
- Valorisation of scientific results which could become profitable to business
- Policies for attracting public and private resources for entrepreneurship

The final program became:







PROGRAM FOR EULASUR WORK-SHOP March 14.-16. 2012 COPENHAGEN



Copenhagen Business School, Kilen, Kilevej 14 B, Frederiksberg

	Wednesday March 14 th , 2012			
08.00-09.00	Registration and Coffee/Danish Pastry			
	Theme: Starting-Up and managing companies in the field of Materials and Nano-structured materials			
09.00-09.45 Chair:	Welcome and Opening Session ◆ Leif Bloch Rasmussen, CBS, Denmark			
Janni Nielsen	 Lise Thorsen, Municipality of Copenhagen, Science and Technology Carles Miravitlles, EULASUR Coordinator, ICMAB, Spain 			
09.45-10.30	European Spallation Source and Sustainability			
Chair:	 Axel Steuwer, Expert Researcher. Industrial Liaison, European Spallation Source, Lund, Sweden 			
Janni Nielsen				
10.30-11.00	Coffee break			
11.00-12.30	Economics, Innovation and Entreprenurship			
Chair:	Finn Valentin, prof. in Innovation, CBS, Denmark			
Janni Nielsen				
	NanoChallenge, a well-established model to create			
	globally competitive start-ups			
	Enzo Sisti , dr., Veneto Nanotech, Venice, Italy			
	<u>Transfer of Knowledge and start-ups: The Experience of UniCen</u> ■ Alejandro Bricker, Unicen, Argentina			



12.30-14.00	Lunch						
14.00-14.45	Effective Energy						
Chair:	Lourdes Vega, director of MATGAS, Spain						
John Kilner							
14.45-15.30	echnology and Knowledge Transfer						
Chair:	 Jordi Marquet, prof., director of the Technology Park of Universidad Autònoma de Barcelona, Spain 						
John Kilner							
15.30-16.00	Coffee break						
16.00-16.45	Students work in the PentaHelix Model for innovation						
	Leif Bloch Rasmussen (EULASUR WP1)						
	Ph.d. students and post doc's presentations:						
	Nadim Morhell, post.doc., Instituto Balseiro & Centro Atómico Bariloche, Argentina						
	Ana Zamit, post.doc., INTA – CICVyA – Virology Institute, Argentina						
	 Sebastian Pappalardo, post.doc, INTA – CICVyA – Virology Institute, Argentina 						
	 Henault Céline, post.doc., Nanolytic and Incubateur Régional Aquitaine, France 						
16.45-17.30	Round Table: Nano-Technologies, Jobs and Start-Up – Thought on the days work						
	Moderator: Jens Degett						
	 Jordi Marquet, Spain 						
	■ Finn Valentin, Denmark						
	■ Enzo Sisti, Italy						
	Lourdes Vega, Spain						
	Wagner Rodrigues, Brazil						
17.30-18.30	Poster Sessions Poster Sessions						
18.30-	Get together at Howitzvej 60, 6. Floor						



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PROGRAM FOR EULASUR WORK-SHOP March 14.-16. 2012 COPENHAGEN

Copenhagen Business School, Kilen, Kilevej 14 B, Frederiksberg

	Thursday March 15 th , 2012						
	Theme: Social, political and human aspects of nano-technologies						
08.30-09.00	Coffee and Danish Pastry						
09.00-10.30	Nano Connect Scandinavia						
Chair: Leif Bloch	Majken Lerche Møller, project coordinator, DTU Nanotech, Technical University of Denmark						
Rasmussen	Nano Risk Environment & Consumers						
	Peter Jacobsen, Leader of Work Medicine, Bispebjerg Hospital, Denmark						
	Berit Asmussen, Director, Information Center for Environment and Health, Denmark						
40 00 44 00							
10.30-11.00	Coffee break						
10.30-11.00	Growth, Job Creation and Working Environment						
11.00-12.30	Growth, Job Creation and Working Environment						
11.00-12.30 Chair:	Growth, Job Creation and Working Environment						
11.00-12.30 Chair: José Luis	Growth, Job Creation and Working Environment Peter Kay Mortensen, chair, LO-Copenhagen (Danish Labor Union)						
11.00-12.30 Chair: José Luis	Growth, Job Creation and Working Environment Peter Kay Mortensen, chair, LO-Copenhagen (Danish Labor Union) Innovation in Emerging Economies						
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11.00-12.30 Chair: José Luis	 Growth, Job Creation and Working Environment Peter Kay Mortensen, chair, LO-Copenhagen (Danish Labor Union) Innovation in Emerging Economies Sudanshu Rai, ITM, CBS, Denmark Nanostructured Fullerene-like Coatings: From Lab-scale Research to Industrial-scale Production 						
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11.00-12.30 Chair: José Luis Briansò	Growth, Job Creation and Working Environment Peter Kay Mortensen, chair, LO-Copenhagen (Danish Labor Union) Innovation in Emerging Economies Sudanshu Rai, ITM, CBS, Denmark Nanostructured Fullerene-like Coatings: From Lab-scale Research to Industrial-scale Production Esteban Broitman, prof., Linköping University, Sweden						



Carlos Balseiro						
	Nanotechnologies for health and geographical advantages					
	Alvaro Mombrú, prof., Director of the Technological Park in Pando, Uruguay					
	Aspects of the preparation of electro-nanomaterials: Energy Devices and Bio					
	Nieves Casañ, prof., ICMAB, Barcelona					
15.30-16.00	Coffee break					
16.00-17.30	Round Table: Social, political and human aspects of nano-technologies – Thoughts on the days work					
	Moderator: Jens Degett					
	Dr Nieves Casañ, ICMAB, Spain					
	Dr Wagner Rodrigues, UFMG, Brazil					
	Berit Asmussen, Information Center on Environment and Health, Denmark					
	Gustavo Pérez, UAB, Spain					
17.30-	Poster Sessions Poster Sessions					



PROGRAM FOR EULASUR WORK-SHOP March 14.-16. 2012 COPENHAGEN

Copenhagen Business School, Kilen, Kilevej 14 B, Frederiksberg

	Friday March 16 th , 2012					
	Theme: Collaboration and projects for the future					
08.30-09.00	Coffee and Danish Pastry					
09.00-09.45	Senses of Nano					
Chair:	Lars Heslet, prof. dr.med, Copenhagen, Denmark					
Leif Bloch						
Rasmussen						
9.45-10.30	Architecture – Nanotel					
Chair:	Harald Christensen, Director Creo Architects, Tønder, Denmark					
Leif Bloch						
Rasmussen	Students World Wide					
	Kim Balle, Co-Organizer Copenhagen Startup Weekend					
10.30-11-00	Coffee break					
11.00-11.45	Round Table: Gender Issues					
	Moderator: Leif Bloch Rasmussen					
	Nieves Casañ, ICMAB, Spain					
	Christine Heller del Reigo, Universidad Pontificia Comillas de Madrid, Spain/Denmark					
	Peter Plougman, CEO NewInsight, Denmark					
	John Yellup, EU Nano Consultant, UK					
11.45-12.30	Round Table: Future Potential of EULASUR Network					
	Moderator: Jens Degett					
	José Luis Briansó, UAB, Spain					





	Janni Nielsen, CBS, Denmark						
	Antonio Arciénaga, Uni. Of Lujan, Argentina						
	John Kilner, Imperical College, UK						
	Enzo Sisti, Veneto Nanotech, Italy						
12.30-14.00	Lunch						
14.00-14.45	WP 2 results: Exchanges						
	UFMG, Universidade Federal de Minas Gerais, Brazil						
	WP 3 results: Opportunities						
	UAB, Universidad Autònoma de Barcelona, Spain						
	WP 4 results: Dissemination						
	ICMAB-CSIC, Institute of Materials Science of Barcelona, Spain						
14.45-15.30	Closing Session						
	Britta Thomsen, MEP						
	Janni Nielsen/Leif Bloch Rasmussen, CBS, Denmark						
15.30-16.00	Coffee break and Departure						



4. Summary of lectures, Round Tables and other activities

Wednesday March 14, 2012

Welcome and Opening session

The first part of the session was focused on presenting the organizers, coordinators and participants. Later, Lise Thorsen presented the most important features and places of Copenahagen city and talked about the most important aspects of the last development plans of Copenhagen city. Speaker put emphasis in that by means of the introduction of technology into the city development plans both a sustainable live and an economic growth can be reached.

The workshop participants list was formed by 66 persons. However, at the beginning of the session not all the registered people were in the room, but around 40 were present.

Finally, speakers noted that participation, reflections and discussions between different participants is the main objective of the workshop with the aim to create a cross disciplinary.

European Spallation Source and Sustainability. Speaker: Roger Eriksson

Speaker presented the ESS campus in which a new synchroton and neutron source and a broad scientific campus is going to be built. Also, the fundamentals of x-rays and neutron radiation and the presentation of synchrotron x-rays sources world map were also presented. The second part of the talk was focused on the presentation of the MAXIab ESS project. Later, its places, equipment requirements and instrumentation were also presented. An important added value of this project is its important sustainability respect other actual operative synchrotron and neutron sources. Finally, speaker presented several possibilities of neutron x-ray diffraction in the field of bionanosystems and biophysics and also different possibilities of neutron and x-ray diffraction for certain industry fields like aerospatial, automotive, energy and technology.



Economics, Innovation and Entrepreneurship. Speaker: Finn Valentin

Speech was basically focused on talking about which are the most relevant points and aspects to achieve an effective scientific knowledge transfer. Furthermore, other important related aspects in order to induce economic growth by means of this scientific knowledge transfer were also presented.

The speaker also talked about the importance of start-ups creation from local research work and how these start-ups can be a way to achieve stronger universities. At the second part of the speech, the speaker talked about the importance to built around the world a scientific community like in the US, where scientists collaborate much more between them and with other international colleagues. Some values of scientific collaborations of the US scientific community were presented.

Finally, a study regarding the relation and distribution of facilities was also presented taking into account the social distance, institutional distance and geographical distance between them.

Nano Challenge, a well-established model to create globally competitive start-ups. Speaker: Enzo Sisti

The speaker talked about the different technological clusters located in Italy and specifically he presented the NanoChallenge. Speaker noted that NanoChallenge is a business plan competition to support the start-up creation in the field of nanotechnology and nanoscience. Finally, the time sequence of the plan and values of start-ups and projects created were presented.

Transfer of Knowledge and start-ups: The experience of UniCen. Speaker: Alejandro Bricker

The talk was focused on the presentation of the UniCen project. History and time-sequence of the project were shown, and speaker explained that the program can induce to create talent of graduate students by means of transferring knowledge into creation of spin-offs. Finally, speaker presented the different facilities, projects and programs that have arisen from UniCen.

Effective Energy. Speaker: Lourdes Vega

At the first part of the speech, Lourdes Vega presented the mission and strategy of the Matgas Research Center which integrates both research and technology development. Matgas research activity is focused in energy, sustainability and environment. One of the aim of the center is to work in order to covering the valley of death between



science and private companies. At the second part of the talk, the issue about concentration of CO2 and climate change is presented. Focusing on that, speaker talked about the importance to develop more efficient technologies. Different alternatives to overcome CO2-related issues are presented. Among them we found carbon capture and storage, photo catalytic reduction of CO2, photovoltaics, biological uses for CO2, etc..

Technology and knowledge Transfer. Speaker: Jordi Marquet

Jordi Marquet began the talk presenting the 'UAB research park'. Speaker put emphasis on two main ideas: the first one is the importance of the coexistence of research institutes and private companies in a research park. Later, speaker also noted that not only research can induce ideas to private company, also the opposite way is possible. This is that private company also can induce ideas to research. Finally, some values of facilities, infraestructure and spin-offs of the UAB research park were shown. Also, ALBA synchrotron project located in the UAB research park was presented.

Students work in the PentaHelix Model for innovation.

Speaker 1: Nadim Morhell

Nadim Morhell explained the project development of a more economic and portable microviscometer for blood analysis for detecting tissue illness of newborns. The device was already tested in the lab and now the engineering project for its fabrication is in development.

Speaker 2: Ana Zamit and Sebastian Pappalardo

Fisrt, speakers presented the objectives and missions of the National Institute for Agricultural Technology in Argentina. The talk was focused on presenting the development project of a new device for animal diagnosis in farms. The project propose the novel idea of sampling and analyzing at the same place with a portable device.

Speaker 3: Henault Céline

Speaker presented the Aquitaine Regional Incubator project that was developed for the creation of start-ups from research works developed in the campus of university of Po. NATYCS which is a spin-off that has arisen from a PhD project was presented. This spin-off is based on the commercialization of a new technology for nanoparticles characterization.



Round Table: Nano-Technologies, Jobs and Start-Up . Speakers: Jordi Marquet, Enzo Sisti, Lourdes Vega and Wagner Rodrigues

Some of the most relevant ideas and conclusions presented were:

- New jobs should not be created at big companies, but at new companies.
- A linking between scientific entrepreneurs and business entrepreneurs is needed.
- European political issues are a drawback to create new companies
- In order to create new products or technologies with added value the need of the market has to be understood before.
- We have to link language between university and company and between young people and senior people.
- The knowledge of the market is important. When someone has an idea a business expert has to study this idea and its viability.
- In order to identify the market opportunity and demand are more favorable business experts
- Nowadays, there is a very important valley of death between research and real products and applications.

Thursday March 15, 2012

Nano Connect Scandinavia. Speaker: Majken Lerche Moller

The talk was focused on presenting the project NanoConnect Scandinavia. One of its main aims is to help scientists and companies to find people and financial support. Many universities, faculties and companies in Denmark form part of this project and thanks to their support the project be able to show what nanotechnology is. Finally, speaker also presented different conferences that NanoConnect Scandinavia organized with much participation of companies and industry.

Nano Risk Environment & Consumers.

Speaker 1: Peter Jacobsen

The main topic of the talk was the potential risk of nanoparticles in daily life. An important aspect presented was the necessity to create regulation policies about characteristics of nanoparticles in order to prevent the negative effects that nanoparticles can induce on health. The main problem of nanoparticles is the high



surface area which can increase its reactivity and toxicology. Speaker also presented examples that shown the existence of an increase of pulmonary and cardiovascular disorders in Denmark during the last decade.

Speaker 2: Berit Asmussen

The speaker presented the 'Information center on environmental and health'. This organization tries to inform to Danish consumers about chemistry, risks and cautions of products existing in the market. Furthermore, it also qualify the public coverage of chemicals in consumer products and their implications for environment and health.

Higher education in India. Speaker: Sudhanshu Rai

The speaker basically presented the educational model in India where two educational systems such as The Gurukul system and the modern educational system coexists. Another issue in India is that two ministries deal with education. Speaker concluded talking about the necessity of a hard dialog between these two educational systems.

Nanostructured Fullerene-like Coatings: From Lab-scale Research to Industrial-scale Production. Speaker: Esteban Broitman

At the first part of the speech, the Linkoping University in Sweden was presented. The speaker also presented the nanotribology laboratory and the Thin Film division where scientific work is based on the study and development of carbon nitride films. The second part of the talk was focused on the presentation of the fullerene-like carbon nitride coatings which shows better properties than all known nitride coatings studied until to date. Finally, speaker presented how this type of coatings could be transferred from the laboratory to the industry.

Nanoparticles design for in vivo application: opportunities, expectations and disillusions. Speaker: Etienne Duguet

The speaker presented which are the most interesting and important requirements for the design and development of nanoparticles. Furthermore, the most important properties for biomedical applications are presented. As an example, speaker talked about the importance of magnetic nanoparticles for biomedical applications due to they can be attracted by external fields.

Nanotechnologies for health and geographical advantages. Speaker: Alvaro Mombrú

The first part of the talk was focused on presenting the school of chemistry of the University of Uruguay in Montevideo and also presented the 'Parque Cientifico



Tecnologico Pando' (PCTP). After that, the speaker presented different scientific examples developed in the PCTP. Among them author presented a collagen for artificial skin, the test of some pigments to induce absorption in the infrared region for solar cells and the encapsulation of a soap with liposomes to avoid bad smells.

Aspects of the preparation of electro-nanomaterials: Energy Devices and Bio. Speaker: Nieves Casañ

The speaker presented the concept of electro-nanomaterials in which a change on the material induce a change on the current, and vice versa. The final part of the talk was focused on presenting some examples of electro-nanomaterials such as batteries, biomedical devices, polymer-based devices, hybrid materials. Specifically, emphasis was put in the presentation of an hybrid material based on IrOx and carbon nanotubes.

Round Table: Social, Political and Human Aspects of Nanotechnologies. Speakers: Nieves Casañ, Wagner Rodrigues and Alvaro Mombrú

Some of the most important ideas and conclusions presented were:

- We put many things in the word nano. Nowadays nanotechnology is a modern word and everybody tends to include all the things in this word.
- Nanotechnology existed since many years ago, and it is not dangerous by default.
- In relation to the possible fear, new products had to be performed with the high possible knowledge and control all the possible and potential risks.
- A key problem is the quality of media information, sometimes the media gives incorrect information.
- The word nano is excessively used, because nowadays its use is like a marketing action.
- The communication of science should be controlled by an institution. Information sources for the media should ne controlled.
- Journalists can diffuse wrong interpretations of the words but scientists themselves have to be aware regarding what they say.

Friday March 16, 2012

Round Table: Gender Issues. Speakers: Margareth Spangler, Nieves Casañ, Christine Heller del Riego, Peter Plougman and John Yellup

Some of the ideas and conclusions presented were:

• One of the problems of the gender issues is simply to think that they can exist nowadays.



- The solution is not to repair anything, we only have to build a new social mentality.
- We don't have to force things, we have to act as much natural as we can.
- A very interesting open discussion was generated.

Round Table: Future Potential of EULASUR Network. Speakers: Jose Luis Briansó, Janni Nielsen, Antonio Arcienaga, John Kilner and Enzo Sisti

- The possibility of creation of next programs to follow EULASUR project has been presented.
- Science and market have to work together in order to eliminate the death valley that exist between research and industry.
- The EULASUR project should be considered as the beginning in order to further developing the presented topics in next possible projects.
- We need to find a better methodology in order to overcome the death valley between science and market.
- With our knowledge we need to create novel projects by means of creation of spin-offs.
- We have to bridge the mentioned valley of death. New EULASUR-like projects are needed in which the most important aspects presented have to be developed.



5. Conclusions¹

The 2nd EULASUR work-shop was held at Copenhagen Business School, Denmark on March 14.-16, 2012. The work-shop attracted 62 participants, including invited speakers.

The work-shop had two themes:

- 3. Materials of social, economic and political interest
- 4. Starting-up and managing companies in the field of Materials and Nanomaterials

These two main themes spanned one day each. They were supplemented with a third theme on the last day as the EULASUR project during its two summer schools in Argentina and the first work-shop in Brazil had shown the needs and wishes for presenting potentials for future co-operative work among partners - and for presenting new joint project proposals.

As public investment in R&D is one of the driving forces of scientific advances, in Europe and in BRAU countries, private investment is becoming more and more necessary especially to exploit the research results. This collaboration between industry and public research is a key factor to competitiveness, economic growth, social cohesion and sustainable development. It calls for the design of management models, where universities, companies, public institutions and engaged citizens interact in order to create cross-disciplinary and cross-sectorial innovation and entrepreneurship. Therefore the work-shop had a strong focus on creating interactions for bridging gaps between these actors in education, research and innovation.

The interactions showed that the bridge between research and industry, commercialization – sometimes referred to as the 'Valley of Death' – is actually a reality, even though a great effort has been done to attract participants from industry. Furthermore the work-shop also showed that bridging the gap across language and understandings on nano-technology and nano-structured materials are even more profound. However having representatives for all actors, interest groups present at a work-shop also showed a good-will of interest, especially, where the potential for understanding risks goes hand in hand with the need for creating jobs and companies.

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¹ We prefer to call 'conclusions' for potential guiding principles for future action. The reason being that it can be hard to conclude without having acceptance to conclusions from all the participants.



Evaluation

We used the questionnaire in annex to ask the participants to evaluate the work-shop. We got 18 questionnaires back, which is around 40 % of those participating during the whole work-shop. The result can be seen in **Annex: Evaluation**².

Unfortunately there were only 18 that responded out of the approx.. 45 participants that were participating through the whole work. However the overall conclusion from the respondents is that it was a 'very-good to good' work-shop. Three point could have been better: (1) the information before the work-shop; (2) the Friday morning session; (3) the poster sessions.

On item 1 we as organizers at CBS may take the blame as we might have been unclear on our first presentation of the program in La Plata — and too late in getting the final program ready. However we were also afraid of announcing too much as the budget would not be able to cover the event.

On item 2 we think this was due to the fact that some might feel that these presentation was too far away from the main themes of the EULASUR-project. However we had included them in order to show some of the uses and consequences of nano-materials seen from an outsider; a citizen.

On item 3 we can say that there were only three posters, which was too little to attract attention.

Guiding Principles

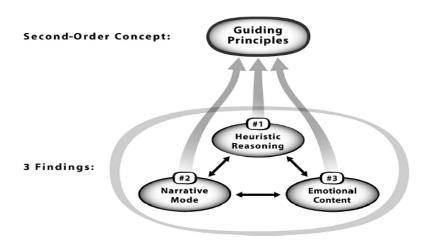
Based on the work-shop and the evaluation results we use the theory of David Oliver and Johan Roos (former president of CBS), who has suggested the model below³:

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² See appendixAs some of the participants where not there all the time (ex. invited speakers) the number of respondents compared to the number of participants does not tell anything on the interest in answering. We base the %- on number of questionnaries returned.

³ David Oliver and Johan Roos: Decision-Making in High-Velocity Environments: The Importance of Guiding Principles, Organization Studies, Vol. 26, no. 6, 2005





So we suggest the following guiding principles in accordance with the aims of EULASUR:

- The forum created during EULASUR for dialogue and cooperation should be used to form strategic partnerships between Europe and Latin American countries
- New projects based should be based on the networks formed during the EULASUR project
- The Forum and New Projects should include more countries/regions and put strong effort into bringing all social partners on board
- New business opportunities, innovation and entrepreneurships should be based on cross-disciplinary and cross-sectorial co-operation and understanding.
- Contribute to economic growth, cooperativeness, social cohesion, sustainable development and fair globalization through nanotechnology should be focused on regional and local interaction among social actors
- Experimental attitude along with scientific excellence should be combined with the diversity in 'rhetoric' among partners
- ICT for Design and Network Innovation and Entrepreneurship should be developed in order to enable the above mentioned guiding principles



6. Annexes



Annex: List of participants

Abel	Roigé	aroige@matgas.org	ICMAB/MATGAS
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Annex: Presentations

Presentations delivered available at: www.icmab.es/ews2012



Annex: Evaluation





EULASUR WORK-SHOP, COPENHAGEN 2012



Evaluation

Name:	
·	

Please tick in each row

	Very Good	Good	Medium	Bad	Very Bad	Don't Know
Overall satisfaction						
Structure of work-shop program						
Quality of venue						
Information before made about						
Information before work-shop						
Satisfaction with presentation						
Wednesday morning						
Satisfaction with presentation						
Wednesday afternoon						
Satisfaction with presentation						
Thursday morning						
Satisfaction with presentation						
Thursday afternoon						
Satisfaction with presentation						
Friday morning						
Satisfaction with round tables						
Wednesday						
Satisfaction with round tables						
Thursday						
Satisfaction with round tables						
Friday						
Satisfaction with poster sessions						
Satisfaction with food and drink						
Comments:						



Results – number of ticks

	Very Good	Good	Medium	Bad	Very Bad	Don't Know
Overall satisfaction	9	9				
Structure of work-shop program	9	7	2			
Quality of venue	10	7				1
Information before work-shop	3	12	2	1		1
Satisfaction with presentation Wednesday morning	8	7				2
Satisfaction with presentation Wednesday afternoon	10	5	1			1
Satisfaction with presentation Thursday morning	9	6	1			1
Satisfaction with presentation Thursday afternoon	7	8				1
Satisfaction with presentation Friday morning	5	5	6		1	1
Satisfaction with round tables Wednesday	7	7	1			2
Satisfaction with round tables Thursday	6	8	2			1
Satisfaction with round tables Friday	5	9	2		1	1
Satisfaction with poster sessions	1	1	6	5	1	2
Satisfaction with food and drink	14	3	1			

Comments:

- 1. It was a superb work-shop
- 2. Little implication of VN (Italy) in the work-shop organization
- 3. It was a very well organized meeting. I didn't like that many people didn't show up/left immediately
- 4. Jens (Degett) is a great moderator! I'm really greatful for the opportunity to participate in thus work-shop. And I'm really looking forward to participate in other network's activities



Results – % of ticks

	Very Good	Good	Medium	Bad	Very Bad	Don't Know
Overall satisfaction	50	50				
Structure of work-shop program	50	39	11			
Quality of venue	56	39				5
Information before work-shop	17	67	11			5
Satisfaction with presentation	45	39				11
Wednesday morning						
Satisfaction with presentation	56	28	5			5
Wednesday afternoon						
Satisfaction with presentation	50	33	5			5
Thursday morning						
Satisfaction with presentation	39	45				5
Thursday afternoon						
Satisfaction with presentation	28	28	33		5	5
Friday morning						
Satisfaction with round tables	39	39	5			11
Wednesday						
Satisfaction with round tables	33	45	11			5
Thursday						
Satisfaction with round tables	28	50	11		5	5
Friday						
Satisfaction with poster sessions	5	5	33	28	5	11
Satisfaction with food and drink	78	17	5			

- 5. It was a superb work-shop
- 6. Little implication of VN (Italy) in the work-shop organization
- 7. It was a very well organized meeting. I didn't like that many people didn't show up/left immediately
- 8. Jens (Degett) is a great moderator! I'm really greatful for the opportunity to participate in thus work-shop. And I'm really looking forward to participate in other network's activities