



PROGRAMA GENERAL

EULA NETCERMAT

Activity Report: International Exchange

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To: Institut de Ciència de Materials de Barcelona (ICMAB) and Universitat Autònoma de Barcelona (UAB), Spain

Objective:

The specific scientific and technological issues where Marie Curie Fellowships were focused on were 3 main areas:

1. Science and Technology of Advanced ceramics
2. Socio-economic studies
3. Impact on civil society

This international exchange had the objective to collaborate to achieve the work package n°4 (General and Specific Impacts).

Summary:

The main intention was to interview different researchers in the Scientific and Industry areas involved with CERAMIC MATERIALS and identify the actions and political initiatives that makes possible the knowledge transfer to the industry in Barcelona, with different impacts at different levels. This could allow to create a net of productive innovation according to the triple helix, and mostly to discover models to analyze and adapt to local innovation processes in LATAM.

Scientists from ICMAB were asked (and recorded on video) about different issues such as their own projects impacts for society, the regard consumers may have about their work, their opinion of the role of women in science, the formation of human resources in their research areas and the formation needs for workers who may handle the new materials in industrial processes, how they manage environmental impact of their activities now, and in the future when the new technologies reach the industry (Image I).



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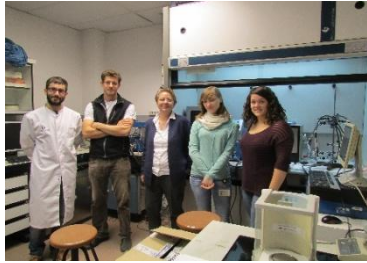


Image I: Prof. Nieves Casañ in the Solid State Chemistry Lab, from ICMA B

The “Knowledge and Technology Transfer Unit” of ICMA B, described us their Technological Partner Role for industries, and the different initiatives they impulse like “Doctors in the Industry Program”. And very specially how they promote the protection of intellectual property, licenses to enterprises or spin-offs creation (the ICMA B have a few examples of their own, like NANOMOLⁱⁱ), and for that task they have the support from the PRUABⁱⁱⁱ, placed in the same Campus.



Image II: Research Professor J. Veciana and Scientific Researcher N. Ventosa, from NANOMOL

In the PRUAB, project leaders were interviewed about the private-public projects they manage, the current Law of Science, how they give support to entrepreneurial scientists, and the facilities they offer for business incubation (like co-working spaces, Image III), and the impact these initiatives have in business development and regional economy strengthening.



Image III: PRUAB facilities



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Finally, we met MATGAS, a strategic alliance recognized as a non-profit making economic interest group, arising from the union between Air Products co., the Spanish National Research Council, and the UAB. Its mission is to establish a centre of excellence in materials science and gas applications, to the benefit of its founding partners and society, focusing on greener energy solutions and sustainability. We interviewed Director Dr. Lourdes Vega (Image IV) who answered about the positive impacts their projects may have in the environment and therefore in society, plus the role the small industries have in their vision: to provide specific technological goods adding value that reaches to society in economic benefits.



Image IV: Algae and CO2 for wastewater treatment

As a result, all these interviews were recorded on video (Image I), and are gradually being loaded in the website of the EULA- NETCERMAT for dissemination, not only for the research groups involved, but for Academia in general (teachers, students, and people interested in the field).

International Exchange within the EULANET CERMAT Project

To cover the work package (4) several Scientist and Professionals who work for Technology Transfer were interviewed. Different topics were faced, from Human resources formation in Nanotechnology, to the Role of Women in Science, and the Look of final Users towards Scientists. Their answers show a strong commitment to Excellence Research and Innovation that could hopefully reach the production sector.

Most of this work was performed in the Institute of Materials Science of Barcelona (ICMAB), sited in the campus of the Autonomous University of Barcelona (UAB).

Our Special Thank´s to Professor Carles Miratvilles and Professor Xavier Obradors for such gentile welcome and collaboration to reach this WP

INTERVIEW:
The Roles of ICMAB
(click to watch)

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Image V: one of the slides loaded in the website to watch the interviews



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Eng. Belén Passerini

ⁱ The TECNIO program is an example, leaded by the Government of Catalonia.

ⁱⁱ NANOMOL Technologies S.A., born in UAB Research Park by the end of 2010, is a spin-off company co-founded by researchers of Nanomol research group of the Materials Science Institute of Barcelona ICMAB-CSIC and Networking Center on Biomedical Research CIBER-BBN.

ⁱⁱⁱ The UAB Research Park (PRUAB) is a private non-profit organization created in 2007 by the Autonomous University of Barcelona (UAB), the Higher Council for Scientific Research (CSIC) and the Institute of Research and Technology (IRTA). Its mission is to promote and enhance the technology and knowledge transfer activities of its members, encourage entrepreneurship through the creation of new businesses based on research and generally facilitate interaction between research, business and society.