



Activities

NetCermat

Year 1

Thomas Zadrozny
November 2013



- Research staff exchanges
- WP3 Socio-Economic Issues – preparation and planning



- Exchange 1 – Christiane Daem
- Exchange 2 – Florencia Crocci
- Exchange 3 – Thomas Zadrozny



General objectives of the exchanges:

- Improving the human capacity of the partners through the exchange of knowledge and experience, with the support of the research centers in the EU, organization of workshops, courses, twinning, etc.
- Improving the existing scientific and technical capabilities of the association of institutions involved in EULA-NETCERMAT, not only in the specific research area of advanced ceramics (all members), but also in the formulation-evaluation - negotiation of new proposals in FP7/8 (Horizon 2020) with potential partners from Latin America.



Exchange 1
Christiane Daem
IRELAC



Name: Christiane Daem

Title: Secretary General

Institution of Origin: Instituto Interuniversitario para las Relaciones entre Europa, América Latina y el Caribe - IRELAC

Institution of Destination: ALL

Starting date and duration of the secondment:
from October 2012 to February 2013.



ACTIVITIES

- Participation to KoM and Nanotech seminar
- Design of WP3.
- Networking in all LA countries on the socio-economic aspects.
- Activation of socio-economic stakeholders of the project.
- Field visits to all partners with briefings on new INCO aspects on societal challenges.



Exchange 2
Florenxia Crocci
UNLU



Name: María Florencia Crocci

Title: Especialista

Institution of Origin: Universidad Nacional de Luján - UNLu

Institution of Destination: Instituto Interuniversitario para las Relaciones entre Europa, América Latina y el Caribe - IRELAC

Starting date and duration of the secondment: from February 26 to March 6, 2013 and from March 10 to April 29, 2013.



ACTIVITIES

- Participation in the KoM and Nanotech seminar.
- Participation in training courses in the area of formulation and evaluation of programmes and projects.
- Training in EU Calls.
- Attending briefings organized by the EC and EP.
- Meetings different DG of the EC.



- Identification of projects for UNLU and scientific/technological European institutions and business representatives.
- Evaluation of new cooperation opportunities in FP7 and Horizon 2020.
- Participation in events on relations between the EU and regional integration.
- Identification of a new bi-national training proposal, on the topic of innovation management.



Exchange 3
Thomas Zadrozny
IRELAC



Name: Thomas Zadrozny

Title: Director

Institution of Origin: Instituto Interuniversitario para las Relaciones entre Europa, América Latina y el Caribe - IRELAC

Institution of Destination: ALL

Starting date and duration of the secondment:
November 2013.



ACTIVITIES

- Participation to KoM and Nanotech seminar
- Participation to M12 Meeting and seminar.
- Coordination and articulation of WP3.
- ToK on new Horizon 2020 modalities.
- Activation of socio-economic aspects of the project..
- Field visits to ADRAM, SENAI and UNLU with briefings on new INCO aspects of H2020.



WP3 Socio-Economic issues



Objectives. Making EU more attractive for researchers and to establish a balanced “brain circulation” within EU as well LA rather than a “brain drain”. Improve EU-LA research performance as well as providing more opportunities for researchers in MACs.



TASK 3.1: Evaluation of the impact of advanced ceramic materials expressed in research publications and economic terms (IRELAC, ADRAM, CBS)

Sub-task 3.1.1: In the emergent economies (AR, BR and CL) (UNLu and ADRAM)

Sub-task 3.1.2: In the EU (E, BE, DK and SW) (IRELAC & CBS)



Researchers involved *T3.1*

UAB [Valiente M., Perez G.] CBS [J. Nielsen, L.B. Rasmussen] IRELAC [C. Daem, T. Zadrozny] UNLU [H. Bacarini; F. Crocci] ADRAM [Nanci de Souza; Ruben Reinoso; Murilo G. Bortoluzzi; R. Carnelos] SENAI [E. Gonçalves, I. Schuster] UFMG [W. Rodrigues, N.D. Santana, C.B. Pinheiro, K. Krambrock]



TASK 3.2: SWOT Analysis and Employment in the advanced ceramic sector (ICMABCSIC, UAB, UNLu, ADRAM).

The SWOT analysis will be introducing the socio-economic dimension for AR, BR and CL, as well as the partners of the EU and other relevant EU27 countries with strong industry in MAC, like Germany, France, Italy or UK.



- **Sub-task 3.2.1: Mapping of employments in LA (AR, BR and CL) and EU (E, SW, BE, and DK) (CBS, ADRAM, SENAI)**
- **Sub-task 3.2.2: Identification of appropriated channels for knowledge transfer from academia to industry (SENAI and UAB)**
- **Sub-task 3.2.3: Accurate SWOT analysis for the private sector and the Academia (ADRAM, CBS)**
- **Sub-task 3.2.4: Definition of a derived Action Plan from the SWOT analysis (UNLU, ADRAM, UAB)**



Researchers involved

T3.2 UAB [Brianso JL. Brianso I.] ICMAB-CSIC [S. Garelik, M. Vendrell] CBS [J. Nielsen, L.B. Rasmussen] UNLU [H. Bacarini; F. Crocci] ADRAM [Ruben C. Reinoso; Murilo G. Borotoluzzi; Rafael Souza de Orleans] SENAI [J.C. Martinazzo, L. Campos] UFMG [W. Rodrigues, N.D. Santana, C.B. Pinheiro, K. Krambrock]



Deliverables

D3.1 Report of socioeconomic and environmental impact of MACs in EU-LA (M18)

D3.2 SWOT of the competitive position of EU-LA MACs sector (M20)

D3.3 Action and business plan on EU-LA MACs sector (M44)



Concerning the business plan (ADRAM), derived from the SWOT analysis and the action plan, will include sufficient level of details to allow strategic partners to make informed use of the plan for their investment decision, in order to increase their competitiveness in the ceramic sector (in academic terms and external collaborative terms). In addition, it is important to specify the assumptions underlying the significant data in the plan and the timeframes for the achievement of targets during the development stages.

- 1) General description of each LA partner.
- 2) A statement of mission and the LA partner's objectives.
- 3) A description of the demand for the product, and its advantage over other advanced materials.
- 4) The target market (knowledge transfer opportunities), the business opportunity, and the business model to benefit from it.
- 5) The team: A brief description of the leading team and its skills.
- 6) Current status: The development stage, intellectual property protection such as patents, and so on.
- 7) Summary of financial projection in up to the next five years.
- 8) Financial resource requirements in order to be more competitive (personnel, equipment, space etc.).



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