



Université
de Limoges

EUCERMAT

EUropean CERamic MATerials
Strategic Partnership

Newsletter n°1 - January 2016

Co-funded by the
Erasmus+ Programme
of the European Union



LAUNCH SEMINAR

NOVEMBER 2015, LIMOGES - FRANCE

In November 2015, the launch event of the project EUCERMAT, a Strategic Partnership project co-funded by The Erasmus+ programme of the European Commission, was held in Limoges – France. This first transnational meeting gathered 25 people, representing 11 of the 13 members of this consortium made with 5 Universities, 2 Research Institutes, 4 entreprises, 1 high-school and an international association, from 8 European countries.

This seminar allowed to present the project to a wide audience during a free access session with the attendance of strong territorial actors, permanents and master's students from the University of Limoges.

This meeting has been also the occasion for the consortium to gather almost completely for the first time, which allowed fruitful exchanges and a clear presentation of the aims, expectations and organisation of the project.

Work sessions were dedicated to the effective implementation of the project's activities and allowed discussions of the work-packages, among them the organisation of a network gathering academics and industrials, and functioning of innovative ways of teaching.

Thanks to the presence of the almost entire partnership, these working sessions were characterised by active participations and discussions, in preparing the different activities to be carried out until the next transnational meeting. The latter will be held mid-February in Limerick, Ireland focusing on a training activity related to e-learning courses.



PROJECT SUMMARY

The aim of the **European Ceramic Materials (EUCERMAT)** project is to significantly contribute to changing the general opinion about ceramics materials in Europe. As a matter of fact, ceramic materials are too often simply associated to great diffusion materials mainly employed as building materials (covering plates factories, glasses for windows... etc.). This narrow and negative image is the main reason for the difficulties faced by education institution in the recruitment of students in the field of Ceramic Materials trainings.

To overcome this situation, EUCERMAT aims at implementing a new methodology based on a relevant functioning of the knowledge triangle in the domain of ceramic material.

To make this possible, highly relevant academic (universities and research centres) and industrial (from start-up to multinational groups) partners, already closely working together at national level, joined forces in the consortium submitting this project proposal.

Their aim is to reinforce their cooperation and create a common space where the interaction between research, education and innovation is optimised.

The EUCERMAT project is a three years educational programme during which modern ways of teaching more adapted to the international cooperation between academic institutions will be developed.

- 1) A teaching programme, integrating blended mobility and virtual classes via the moodle platform, will be developed to offer international courses that will be coupled to very unique teaching practical labs, closely connected to research and performed on instrumental platforms of laboratories associated to the different universities or research institutes.
- 2) A charter will be implemented, defining a new way to promote the relationships between universities and industries through teaching projects.
- 3) Tutored projects for students will be implemented with the industrial partners. The subjects will be of industrial interest but defined in cooperation with the academics of the universities and researchers. The subjects will be prospective and challenging, corresponding to up-stream research so that a strong connexion with the research laboratories is developed.
- 4) Innovative practices to promote ceramic sciences to the community: civil society and principally high school students will be developed and implemented during the programme.

To change the general opinion about ceramics materials in Europe, communication and dissemination events will be organized by the European Ceramics Society (ECerS), the main federation of national ceramic societies in Europe, which is the sixth partner of the project.

Thanks to cooperation between the partners in the present strategic partnership programme, a road map aiming at defining guidelines to orientate the future research subjects, teaching projects and economic issues to challenge for the future years will be thoroughly discussed and ultimately defined.

At the end of the programme, a new European master programme dedicated to ceramic materials and relevant to the needs of the industry will be proposed. It will also contribute to promote stronger coherence between the different EU partners.

To ensure the sustainability of work of the knowledge triangle and the evolution of the Strategic Partnership programme towards an even more ambitious and structured project, a Knowledge Alliance application appears as a logical pursuit.



PARTNERS

FRANCE



UNIVERSITE DE LIMOGES - UNILIM

At the heart of Europe, the University of Limoges is a major multidisciplinary higher education establishment set in an ideal environment for scientific fulfillment. It is an outward-looking, vibrant institution with a wide-ranging student population, efficient reception structures, supportive staff and courses based on high-level research and directed towards clearly identified opportunities. With its state-of-the-art laboratories and ambitious partnerships, its scientific excellence is helping to invent the world of the future.

EUCERMAT is led and coordinated by Gilles Trolliard, Teacher-Researcher at SPCTS laboratory.

SAFRAN



Safran is an international high-technology group and Tier-1 equipment manufacturer in its core businesses of Aerospace, Defense and Security. Safran has a solid business model in aviation, based in particular on its long-term partnership with General Electric.

Representative for SAFRAN is Hugues Joubert, Advanced Casting Research Center Director.

BELGIUM



European Ceramic Society - ECerS



The European Ceramic Society (ECerS) is a non-governmental, nonprofit federation of national ceramic societies each representing the ceramists of a member country. Therefore, ECerS today represents one of the most distinguished group of experts, researchers, scientists, professors and entrepreneurs dealing in the different and the most innovative ceramic disciplines.

The representative for ECerS is Dr. Louis Winnubst, treasurer of the ECerS and the Trust of the Journal of the European Ceramic Society. He is a member of the Permanent Executive Committee of the European Ceramic Society and leader of the Education and Young Ceramist Network group.

PARTNERS

ITALY



istec

National Research Council of Italy
Institute of Science and Technology for Ceramics

ISTEC - CONSIGLIO NAZIONALE DELLE RICERCHE

The Institute of Science and Technology for Ceramics (CNR ISTEC) is multidisciplinary research laboratory with long term activity programs on the whole range of ceramic materials.

The representative for ISTEC is Ms. Valentina Biasini, research technologist with a background on material science and expert on microstructural characterisation of ceramic materials. She is also the Quality Manager of ISTEC CNR.

SYSTEM PSA



Since 1970, System S.p.A. has been developing its know-how in strategic sectors such as ceramics, logistics, electronics and packaging. The investments made in R&D sometimes exceed 5% of the annual turnover, which has gradually led to registration of over 300 invention patents. This has also been possible due to fruitful partnerships with the world's top scientific research centres.

Representative for SYSTEM is Fabrizio Marani as R&D product manager.

IRELAND



UNIVERSITY of LIMERICK
OILScoil LUIMNIGH

UNIVERSITY OF LIMERICK

The University of Limerick (UL) is an independent, internationally focused university with over 13,000 students and 1,426 staff. It has an established reputation as Ireland's leading university in industry-led research. This has resulted in significant research commercialization activities and collaborations between our leading researchers and industry.

The representative for UL is Dr. Eamonn de Barra, from the The Centre for Applied Biomedical Engineering Research (CABER) and Department of Mechanical, Aeronautical and Biomedical Engineering.

PORTUGAL



UNIVERSIDADE DE AVEIRO – UAVR

The University of Aveiro (UAVR) is among the most dynamic and innovative universities in Portugal. The UAVR has 15000 students (graduate and postgraduate) and a unique model of governance (16 Departments, 4 Polytechnic Schools and various training centres).

The representative for UAVR is Dr. Paula Vilarinho, Associate Professor at UAVR since 2000 and member of CICECO. She is the leader of the Electroceramics Group.

PORCELANAS DA COSTA VERDE



The Porcelains of Costa Verde SA. Develops, manufactures and markets ceramic tableware porcelain for household, hotel and restaurant. It has a very updated plant, using innovative design and manufacturing processes that are benchmark policy based on a continuous level of best technology and best technology and best available techniques improvement.

The representative for CostaVerde is Jorge Marinheiro, ceramic engineer, responsible for the laboratory and raw materials, degree in ceramic engineering and master's degree in Civil Engineering.

AGRUPAMENTO DE ESCOLAS JOSÉ ESTEVÃO



The Cluster of School has a large and rich experience with in developing pupils' skills in scientific areas, such as Biology, Quimistry, Physics and Maths.

The representative for the Agrupamento de Escolas is Fernando Delgado, as the school director.

GERMANY



TECHNISCHE UNIVERSITÄT DARMSTADT - TUDa

The Technische Universität (TU) Darmstadt is one of Germany's leading technical universities. Its around 312 professors, 4,244 employees and 26,000 students.

Representative for TUDa is Dr.-Ing. Joachim Brötz, coordinator of the Competence Centre for Materials Characterisation within the Institute of Materials Science of the Technische Universität Darmstadt.

PARTNERS

SPAIN



AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS – ICV



CSIC has a multidisciplinary and multisectorial nature, with 123 institutes and more than 11000 workers. Instituto de Cerámica y Vidrio is the only structure in Spain with long term activity programs on the whole range of ceramic materials and glasses., with 120 workers (40 researchers, 64 technical, 20 administrative).

The representative for ICV is Dr. Carmen Baudin, specialised in establishment of the existing relationships between processing, microstructure and mechanical behaviour. She is in charge of the laboratory of mechanical characterisation of the ICV.

INSERTEC - REFRACTORY SOLUTIONS INSERTEC SL



REFRACTORY SOLUTIONS INSERTEC. SL is part of the INSERTEC GROUP wich has two main business: industrial surfaces manufacturing and refractory products manufacturing. Today INSERTEC GROUP has a worldwide structure with several subsidiaries in China, Brazil, Mexico, Italy, etc.

The representative for INSERTEC is Roberto Caballero, as R&D manager.

POLAND



AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE – AGH



4233 employees and over 35 000 students each year make AGH University of Science and Technology in Krakow, one of the best and most renowned modern universities in Poland. AGH UST consist of 16 faculties and 20 basic units which cover 59 branches of science.

The representative for AGH is Bartosz Ostrowski, project manager at the Faculty of Materials Science and Ceramics, responsible for projects' preparation and management and for cooperation with enterprises.



EUCERMAT

European CERamic MATerials



*Innovation?
...think Ceramics!*

Strategic Partnership
September 2015 – August 2018

