Newsletter 02

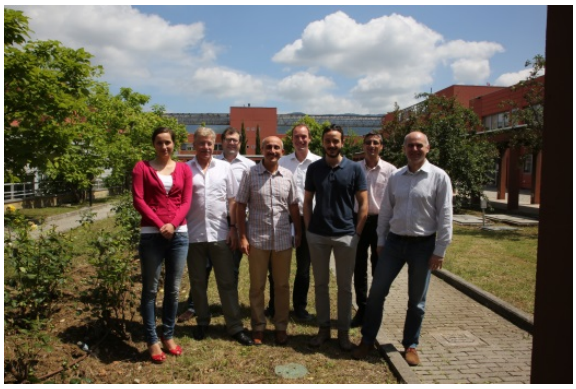
ENEX in brief

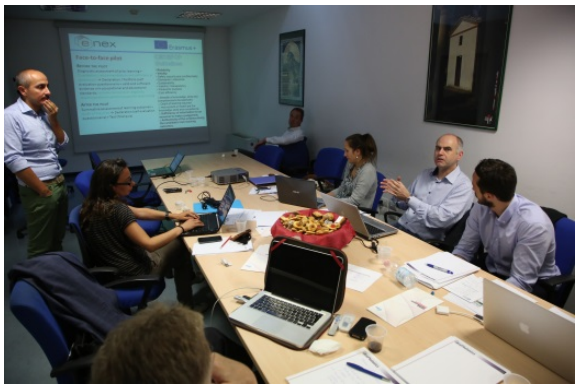
'ENEX – Expert in Nanotechnology Exploitation' is a project funded by the European Commission under the ERASMUS+ Programme.

The ENEX project wants to develop advanced training modules for professionals in industry, research and the service sector in the fields of nanotechnology and innovation management, as well as for graduate and postgraduate students. The final outcome will be an interdisciplinary e-learning course merging both technology and management content into one novel qualification concept.

The project consortium consists of six partners out of five European regions: Twente (NL), Tuscany (IT), Lodz (PL), Bucharest (RO) and North-Rhine Westphalia (DE). Among the partners are 3 universities, 1 national research centre, 1 regional development agency and 1 private-sector consulting firm. The project started on 01 September 2014 and has a duration of three years (www.enex-nano.eu).

ENEX 2nd Transnational Project Meeting





The 2nd ENEX project meeting was organized by ENEX partner CNR-IFAC and took place in Sesto Fiorentino from 15-16 June 2015.

The first day of the meeting concentrated on the project's intellectual outputs: concepts, stage of development, first results achieved, and discussion of the next activities. On the second day, the partners discussed organisational issues relating to management and implementation of the project. At the end of the meeting, the partners participated in a guided tour of the institute and had the opportunity to have a closer look at various research labs.

ENEX Company Survey

An online company survey has been started to retrieve first-hand information on the relevance of nanotechnology, innovation management, as well as education & training in those disciplines in industrial firms, SMEs, consultancies, and science organizations. The survey is carried out in all ENEX partner regions by means of questionnaires in the respective partner languages.

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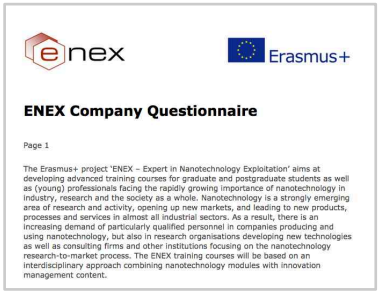
The responses of the questionnaires will help to analyze specific needs of the main target groups addressed in the ENEX project with regard to nanotechnology and innovation management. Together with the results of in-depth company interviews organized at a later project stage, the survey will be used to shape the contents of the ENEX curricula and the final ENEX e-learning course.

Go to the ENEX questionnaire (English version)


ENEX Company Questionnaire

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The Erasmus+ project 'ENEX – Expert in Nanotechnology Exploitation' aims at developing advanced training courses for graduate and postgraduate students as well as (young) professionals facing the rapidly growing importance of nanotechnology in industry, research and the society as a whole. Nanotechnology is a strongly emerging area of research and activity, opening up new markets, and leading to new products, processes and services in almost all industrial sectors. As a result, there is an increasing demand of particularly qualified personnel in companies producing and using nanotechnology, but also in research organisations developing new technologies as well as consulting firms and other institutions focusing on the nanotechnology research-to-market process. The ENEX training courses will be based on an interdisciplinary approach combining nanotechnology modules with innovation management content.

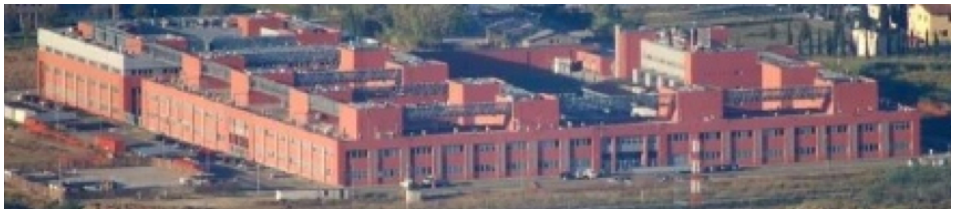
ENEX Dissemination Activities

On 26 June 2015, the Romanian ENEX partner CAMIS Centre organized a presentation of the ENEX project at the Polytechnic University Bucharest, Faculty of Engineering and Management of Technological Systems. 26 persons out of 7 European countries participated in the meeting. Most of the attendants were in Romania to take part in the final conference of another European project. They represented universities, colleges, schools and chambers of commerce from Romania, Lithuania, Spain, Slovenia, Greece, Italy and the Czech Republic.

The meeting was used to provide general information on the ENEX project, including project objectives, partners, project outputs, target groups, activities carried out, etc.

The presentation was well accepted by the participants. Some of the attendants were strongly interested in the project goals and expressed their wish to be informed in future about the developments of the ENEX project.

ENEX Partner Profile



ENEX partner Institute of Applied Physics ‚Nello Carrara' (IFAC) located in Sesto Fiorentino in Tuscany/Italy is part of the National Research Council (CNR) which is the main public organization pursuing research and innovation in Italy.

With a staff of around 110, the institute's main aim is to carry out frontier research at an international level and, at the same time, to develop new technologies and methodologies that could be effectively transferred to the economic system. The main research lines are lasers, bio-photonics, micro-optics, sensors, remote sensing, microwaves, and ICT.

These physical methods are then employed to investigate novel applications in several branches of interdisciplinary sciences, such as photonic devices for telecommunications; space, balloon and airborne instrumentation for observations of the earth; digital solutions for information access;

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bio-photonics for therapy and surgery; laser processing for industrial production; optical sensors for environmental control; laser techniques and diagnostic methods for archaeometry and the conservation of cultural heritage.

Over recent years, IFAC has been active in the field of nanobiomedicine with the design and development of multifunctional particles and devices that respond to remote stimuli and serve for a variety of applications, including diagnostic imaging, microsurgery, tissue repair, drug delivery, controlled drug release and sensing.

Training of graduate and undergraduate students and scholarship recipients belong to the main objectives of CNR-IFAC (www.cnr.it).

Coming next

All ENEX partners will carry out online *company surveys* in their respective regions along the entire nanotechnology value chain. The responses of the questionnaires and the outcome of the interviews will be used to define/ refine the ENEX Competence Profile.

The 3rd ENEX project meeting will take place in Enschede, Netherlands on 23 November 2015.

ENEX Partners

INTAMT Internationale Agentur fuer Marketing und Technologietransfer GmbH
www.intamt.de

Universiteit Twente / MESA+
www.utwente.nl

ASEV Agenzia per lo Sviluppo Empolese Valdelsa Spa
www.asev.it

Uniwersytet Lodzki
Faculty of Management
www.uni.lodz.pl; zarzadzanie.uni.lodz.pl/en

CNR-IFAC Consilio Nazionale delle Ricerche / Nello Carrara Institute of Applied Physics
www.cnr.it

UPB Universitatea Politehnica din Bucuresti / CAMIS Centre
www.pub.ro; www.camis.pub.ro

Contact

ENEX
Expert in Nanotechnology Exploitation
c/o INTAMT GmbH
Heinz Brueckelmann
Phone: +49 211 550 445 66
Fax: +49 211 550 445 4
Email: brueckelmann@intamt.de
Web: www.enex-nano.com

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