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InEDIC final conference within the Lisboa Design Show

The final conference of the International InEDIC project took place on the 12th October in Lisbon, in partnership with the Lisbon Design Show (LXD). All the results of the project including the demonstration projects were presented, and the programme included key-note speeches by two internationally renowned experts in design as well as a debate where the opportunity and the future of ecodesign in ceramics was discussed with all participants. Some major points of the general assessment of the conference are:



- Good level of participation: around 80 people
- Background of participants: balanced (students, companies, designers, research centres, etc)
- Layout: Innovative layout of the sessions (plenary in open room in the middle of the exhibition and the World Café methodology for debate).



As future steps, the need to disseminate the results of the INEDIC Final Conference was highlighted (e-newsletter 4, press releases, dissemination by partners, Web platform...).

In parallel to the conference organization, InEDIC had a stand, displaying the new products developed by the InEDIC test partners and the training materials developed in the project.



Review of the manual

The InEDIC project relies on the “active learning” principle, which proved to be the most effective method in vocational training. It consists on combining in-classroom and practical applications, preferably in real-life cases.

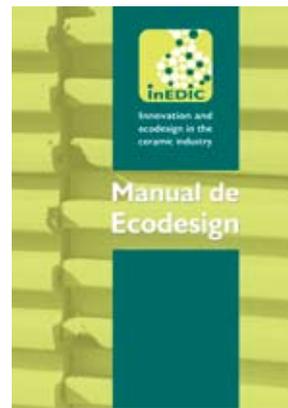
The InEDIC Ecodesign Manual was created firstly in English by all core partners and afterwards translated in their national languages.

The manual includes all 13 chapters and 15 tools that were developed by the partners, during the two year development of the project. These chapters and tools were presented and taught during the Training Sessions that took place in each country with the participation of the official Test Partners and various interested people external to the project, such as designers/pottery teachers and students.

The manual is organized in a step-by-step approach to ecodesign, presented in Chapter 2 – Ecodesign project step-by-step. The implementation of the eight proposed steps is supported by theoretical chapters and practical tools, making it easy to follow and implement, adjust the each company’s reality and develop through further reading and learning (InEDIC’s resource centre).

The Greek core partner created a simplified version of the Manual, which included a simplified version of chapter 2 and of the ecodesign tools, aiming at potteries which may not wish to follow a more comprehensive approach as ceramic industries, which were the primary target of the project.

With this in mind, ten demonstration projects have been performed with partner industries and potteries, to test the InEDIC Ecodesign Manual, thus ensuring its adequacy and applicability.



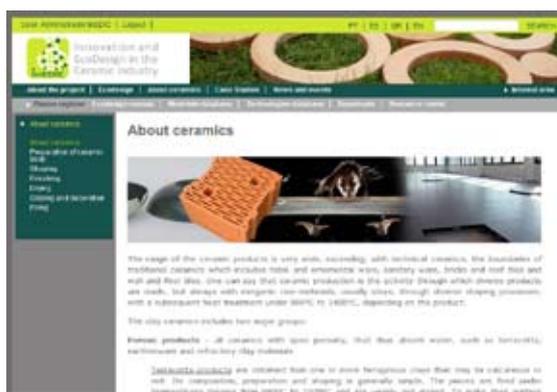
InEDIC website

www.inedic.net

The website contains information about the project, background material and all project results and acts as a channel to disseminate the InEDIC ecodesign methodology, case studies and other important information.

The website is divided in two parts, an open one, without need of registration, which includes the information about the project and its structure and partners, ecodesign, ceramics, case studies and news/events. Users can access the second part with a simple registration. In this area, the website has the InEDIC Ecodesign Manual, and Support material for trainers, the databases of materials and technologies, newsletters and a resources centre.

All the information and downloadable materials are available, free of charge, in Portuguese, Spanish, Greek and English.



Participation in conferences:

Ecodesign meeting bilbao 2011

In order to share knowledge among all the stakeholders interested and involved in Ecodesign, Ihobe, the Environmental Management Company of the Basque Government's Department for the Environment, Land Planning, Agriculture and Fisheries, hosted on the 9th of November this international meeting in conjunction with the European Commission's Directorate-General for Enterprise and Industry.



Bilbao Ecodesign Meeting 2011 is an international forum on ecodesign which brought together companies, the public administration, universities, technological centres and numerous experts in this field, in order to predict trends and

future requirements, share experiences, learn about new projects and get further information about new ISO 14006 standard (Environmental management systems. Guidelines for incorporating ecodesign).



The InEDIC project participated in the Parallel session 2 on "Construction Materials Ecodesign: how to position your company on the emerging market of sustainable building and refurbishing". The presentation was done by two core partners (PROSPEKTIKER and LNEG), together with one of the Spanish test partners (CERACASA) that presented one of their ecodesigned products.

Design biennale in Marinha grande



Last October, the first International Biennale of Industrial Design was held in Marinha Grande (Portugal). This event, dedicated to Industrial Design, included an exhibition of prototypes, products and components developed for the industry, and a number of conferences.

In this context, ESAD.CRIPL, also a partner in organizing this event, held an exhibition of prototypes and products for the ceramic industry and a conference dedicated to the Design and Sustainable Development theme, where the

InEDIC project was presented in two ways:

- In the exhibition, through a show of the prototypes developed by the partner companies of the project, in Portugal, Spain and Greece, presented by Fernando Carradas, commissioner of ESAD.CR for this event.
- At the Conference, through a communication and poster presented by Cristina Sousa Rocha (LNEG), as project coordinator.



Frankfurt fair & ceramic stakeholders



In order to disseminate the InEDIC project and to share knowledge among designers, artisans and industry, CENCAL was in the Tendence Fair in Frankfurt visiting same exhibitors. The 2055 exhibitors from 66 countries presented their new products in the habitat (tableware, house ware and home décor). The top 5 visitor nations were Switzerland, The Netherlands, Italy, Austria and France. In addition, international students, graduates and young designers had the chance to present their designs, prototypes and first small product lines at the Fair. That was the opportunity to promote the InEDIC project among all those different kind of experts in the field of ceramic products.

During the same trip to Germany, CENCAL was in a ceramic city named Höhr-Grenzhausen at the School of Ceramic Engineering and Ceramic Design (Fachschulen für Keramikgestaltung und Keramiktechnik). With the help of the School staff, CENCAL made visits and personal contacts, where the best practices of InEDIC project was presented and disseminated within ceramic artists, workshops, studios, institutions and factories of the region, such as Villeroy & Boch and Asa Selection. Once again, like in the Tendence Fair, the InEDIC project was understood and received with high interest as the photo shows (students attending a project presentation at the School).



Valorisation plan: future activities

In order to optimise the value of the InEDIC project's results and enhance their impact, it will be very important to integrate the results into training systems and practices at local, national, and European level.

At CENCAL, the Vocational Training Center for Ceramics in Portugal two ceramic courses will be developed with the integration of the InEDIC Manual, tools and other resources available. Besides, some hours of ecodesign subject will be included in the ceramic technology discipline of every ceramics course.

The main objective is to raise the awareness to ecodesign, among designers, potters, ceramic artists, and ceramic technicians. The training programmes are based on active learning methodology, in which after a theoretical presentation of contents trainees are invited to test the application of tools in ongoing projects.

In the "EcoCeramic Product" course of 60 hours, the trainees will develop in laboratory a ceramic body and glazes, integrating ceramic waste and good practices of recycling. Then, using the InEDIC Chapters and Tools a prototype of an ecodesign product will be develop step by step.

The "Ceramics Ecodesign" course will be a programme which results from the InEDIC project's experience and consists of 30 hours of training divided in 6 sessions using the InEDIC Ecodesign Manual and its tools.

The training programme aims at supporting trainers and should be adapted to each specific case, according to the needs of the trainees. The methodology allows the development of new skills arising from the analysis and real problem solving.

Demo projects

The aim of the demo projects was to validate the InEDIC training materials and develop new products that can be regarded as good practice and a source of inspiration to other projects. Their application in real company situations provided a very valuable feedback on the quality, adequacy and completeness of the materials developed within the project framework.

Ten demo projects were held, out of which four in Portugal, two in Spain and four in Greece.

Ecotech by Revigrés



The floor tile “eco-product”, developed by Revigrés aims to contribute to sustainability (keeping requirements for functionality, quality, safety, cost, aesthetics and ergonomics) by the following characteristics: reuse of raw materials, greater simplicity in the whole process (from the productive and logistic to the technical requirements) and flexibility to make changes.

The company wants the “eco-products” to be commercially distinguished by innovative sustainable noticeable social value, compliance with the requirements of the market and consolidation of product image, with the prospect of new markets and customers.

Minimum by Costa Verde



The product of Costa Verde consists of a set of pieces to be used at microwaves to warm the food and to be used at the table, produced with raw materials from the wastewater treatment plant sludges. The package is made of recycled corrugated cardboard, with a single color print and has dual purposes. Added to the product there is a flyer with examples of recipes for microwave and demonstration of the use of set pieces.

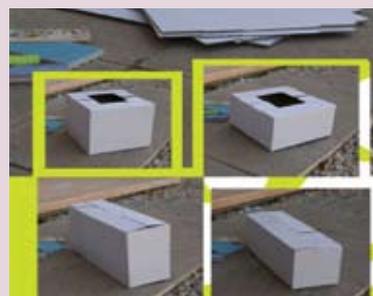
Set Chakkal by Faria e Bento



Chakkal is a multifunctional cooking set developed in a collaboration with Faria e Bento and Chakkal, a famous cooking chef.

The product is made with an innovative special clay, developed by FB which allows to be used with direct flame.

Cartonajes la Plana



Ceramic tiles have several forms and sizes. The project has developed a new packaging adapted to different models of special parts, with advantages for the packaging manufacturer and the manufacturer of ceramic products, since that optimizes production, facilitates inventory, makes it possible to produce a greater quantity and stocks and decrease waste significantly.

Super Rendemant by Cerâmica Moderna do Olival



Based on the Super Rendemant, a ceramic monomaterial structural brick, the project was focused in the development of improvement options to reduce the environmental impact of the product and to attain new market needs.

Decorative flower by DIEK VOLOS



The ecodesign product are ceramic flowers made of a paste of clay, wood waste and recycled paper, which after inserted in aromatic liquid release aroma due to the porosity of the clay.

Decorative fish - miss Mossiou/Dimitriadou workshop



The developed product is a decorative object in the form of fish, made with recycled paper and clay and glazed with recycled glaze.

Ceramic and LED lamp by EVAART



The developed product is a lamp-shaped bag made of clay, which was applied a thin film LED, incorporating into the design non-toxic pigments and low power consumption. The clay waste generated by its manufacture can be reused in other applications.

ECOM4Tile® - Ceracasa



The tile ECOM4Tile® developed by Ceracasa has as main feature the energy saving in the use phase, thanks to the energy storage system that accumulates and dissipates energy, thus reducing the need to use air conditioning or heat, in addition to the comfort it offers, since it is possible to obtain the same temperature as the environment and the pavement. Finally, the product ECOM4Tile® has an anti-bacterial treatment and reduces odors. The InEDIC methodology was applied to validate product options and not to develop the product itself.

Decorative boat by Mr. Giannakopoulos workshop



The developed product is a decorative object in the form of a boat made with clay and paper.

Contacts

Cristina Rocha
Unidade de Produção-Consumo Sustentável
Laboratório Nacional de Energia e Geologia, I.P.
Estrada do Paço do Lumiar, 22
1649-038 Lisboa
Tel: +351 210 924 685 Fax: + 351 217 154 084
cristina.rocha@lneg.pt

Partners websites

- www.lneg.pt
- www.cencal.pt
- www.cpd.pt
- www.ctcv.pt
- www.esad.ipleiria.pt
- www.prospektiker.es
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