



DESIGN & GREEN ENGINEERING **DEGREN**

Cross-border Center of Entrepreneurial
Innovation in Ecodesign in **EUROACE**



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DEGREN - Cross-border Center of Entrepreneurial Innovation in Ecodesign in EUROACE – Design & Green ENgineering- is an INTERREG V A Spain - Portugal (POCTEP) 2014-2020 Operative Programme project approved in the first call, and it is aimed to promote Ecodesign in the context of EUROACE Euroregion, boosting competitiveness through the innovation and technology transfer.



The Project DEGRE (Design & Green Engineering) has been financed by 2014–2020 INTERREG V-A Spain - Portugal (POCTEP)



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ECODESIGN concept consists of integrating environmental aspects in the conception and development of a product aimed to improve its quality and, at the same time, to reduce manufacturing costs through methodologies based on the analysis of all life cycle stages (product life cycle) from raw materials and components obtaining to design, production, disposal and recycling once it is discarded.



ECODESIGN, also known as ecological design or design for environment, is defined according to UNE-EN ISO 14006 standard “*Environmental Management System. Guidelines for incorporating Ecodesign*” as “*the integration of environmental aspects in the design and development of a product for reducing adverse environmental impact in each of the stages of its life cycle.*”

ECODESIGN, therefore is not aimed to modify the process of products/services industrial design, but to complement it introducing the environment as another issue to take into account when making decisions during product development process.



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An **ECODESIGN** important key issue is the Life Cycle approach. It is related to consider the interactions of all product's life stages, from raw materials extraction, manufacturing, distribution and use, until the end of life phase.

This allows to have a greater knowledge of the product itself, to know where the greatest environmental impacts are, to monitor the possible transfer of environmental loads from one stage to another and to be able to choose the option that reduces the global environmental impact.





The importance of integrating the environmental aspect from the design stage is a key issue, since **the 80% of environmental impact of all the product life cycle is defined during its design.**

A good desing and development of products/services in the industry is essential for the business itself and for companies competitiveness.

Therefore, **ECODESING** integration as a quality standard provides important competitive advantages for an organization.



FUNCCIONAL

- Activity 1: Resources Mapping and ECODESIGN Observatory.

- Benchmarking and internal training

- Mapping of existing resources and skills in EUROACE

- ECODESIGN observatory

- Activity 1: Resources Mapping and ECODESIGN Observatory
- Activity 2: Training and Supporting Services for Enterprises in ECODESIGN.
 - Training for stakeholder in ECODESIGN.
 - Supporting Services for Enterprises in ECODESIGN.
 - Supporting Creative industries: new business models.

- Activity 1: Resources Mapping and ECODESIGN Observatory
- Activity 2: Training and Supporting Services for Enterprises in ECODESIGN
- Activity 3: ECODESIGN Technical Projects Lab
 - Launch of the ECODESIGN Laboratory.
 - Development of ECODESIGN projects.

- Activity 1: Resources Mapping and ECODESIGN Observatory
- Activity 2: Training and Supporting Services for Enterprises in ECODESIGN
- Activity 3: Technical Projects Lab in ECODESIGN
- Activity 4: Strategic and Internationalization Plan in ECODESIGN

Main results to be obtained in the Project framework are the following:

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Main results to be obtained in the Project framework are the following:

- Launch of the Cross-border Centre of Entrepreneurial Innovation in ECODESIGN in EUROACE .
- Exploitation of the existing scientific resources in the participant regions related to R&D&i in ECODESIGN.
- Coordinate the cooperation among enterprises, research centres and public administration for the development of new products applying ECODESIGN.
- Disseminate knowledge and best practices of business models based on ECODESIGN among enterprises.

CONTACT

Technical Coordination

If you want to know more about the technical activities to be developed in the Project framework, please, contact with us in: info@degren.eu.

Communication Coordination

If you are a media and you want to get in touch with us, you can do it through com@degren.eu.

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