

OERCO2

State of the art: Regulations, surveys and EPD

Murcia, 25 November 2016

Co-funded by the
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of the European Union



ROMANIA
GREEN
BUILDING
COUNCIL

O1/A1: Study of environmental regulations in all of the sectors involved related to construction and level of implementation in participant countries of the project

Study of environmental legislation in all sectors involved in the construction and the level of implementation in participant countries in the project. The regulations are collected concerning the calculation of CO2 emissions in the construction sector at European and national level of those countries involved in this project.

O1/A1: Study of environmental regulations in all of the sectors involved related to construction and level of implementation in participant countries of the project

- 1.1.1.- Report on legislation. Compilation of information on legislation related to emissions of greenhouse gases and its application to the construction sector. This compilation will be made for each country participating in the project.
- 1.1.2.- Report on the degree of implantation or use in each country and sector.
- 1.1.3.- Report on the level of acceptance of the OERCO2 project among the professionals after the international seminar held in Murcia.

1.1.1.- Report on legislation

OERCO2

CENTRO DE RECURSOS ONLINE PARA EL ESTUDIO INNOVADOR DEL CICLO DE VIDA DE LOS MATERIALES DE CONSTRUCCIÓN.
2016-1-ES01-KA203-025422

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Genérica / Generics

	
<p>Ar</p>	<p>Air</p>
<p>Decreto-Lei nº 78/2004, de 3 de Abril – Estabelece o regime de prevenção e controlo das emissões de poluentes para a atmosfera, fixando princípios, objectivos e instrumentos apropriados à garantia de protecção do recurso natural ar, bem como as medidas, procedimentos e obrigações dos operadores das instalações abrangidas, com vista a evitar ou reduzir a níveis aceitáveis a poluição atmosférica originada nessas mesmas instalações.</p> <p>Alterado pelo</p> <p>Decreto-Lei nº 126/2006, de 3 de Julho – Alteração ao regime de prevenção e controlo das emissões de poluentes para a atmosfera, aprovado pelo Decreto-Lei nº 78/2004, de 3 de Abril.</p>	<p>Decree-Law nº 78/2004, of 3 April – Establishes the prevention and control regime of atmospheric pollutant emissions, indicating the principles, objectives and appropriate instruments for the protection of air natural resource. It also rules on the procedures and obligations for the related plant operators in order to avoid or reduce the air pollution of these facilities to acceptable levels.</p> <p>Amended by</p> <p>Decree-Law nº 126/2006, of 3 July – Modification of the regime to prevent and control pollutant emissions into the atmosphere, approved by Decree-Law nº 78/2004, of 3 April.</p>

1.1.2.- Report on the degree of implantation or use in each country and sector

QUESTIONARIO PER I PROFESSIONISTI DEL

PREGUNTAS RESPUESTAS

QUESTIONARIO PER I PROFESSIONISTI DEL SETTORE COSTRUZIONI

Descripción del formulario

OERCO2. ONLINE EDUCATIONAL RESOURCE FOR INNOVATIVE STUDY OF CONSTRUCTION MATERIALS LIFE CYCLE

The main objective of this project is to create an Open Educational Resource (OERCO2) where the calculations of CO2 emissions in each phase of the building are unified so that get an overall picture about footprint from the conception of it and decide on each variable of the construction.

Q0 Questionario fornito da: *

Universidad de Sevilla (US)

Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales (CTM)

CertiMaC Soc. Cons. a r. L. (CertiMaC)

Centro Tecnológico da Ceramica e do Vidro (CTCV)

1.1.3.- Report on the level of acceptance of the OERCO2 project among the professionals after the international seminar held in Murcia

1.3.1.- Report on the implementation in universities, architectural and engineering, etc. a survey at universities, architectural and engineering and organizations conducting Environmental Product Declarations, asking even professionals, to verify their awareness.

SURVEY AT ACADEMIC LEVEL
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PREGUNTAS
RESPUESTAS **20**

SURVEY AT ACADEMIC LEVEL

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OERCO2. ONLINE EDUCATIONAL RESOURCE FOR INNOVATIVE STUDY OF CONSTRUCTION MATERIALS LIFE CYCLE

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Q0 Questionnaire supplied by: *

- Universidad de Sevilla (US)
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- Centro Tecnológico da Ceramica e do Vidro (CTCV)
- Universitatea Transilvania Din Brasov (UTBV)

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O1/A2: Study of Environmental Product Declaration (EPD) of construction sector in participant countries

Study of Environmental Product Declarations (EPD) of construction of the participant countries. Currently, there are products with its environmental declaration, i.e. a document which reports on environmental impacts, such as kilograms of CO2 equivalents generated in the manufacturing process of the product. This document covers all phases through which passes a product, from extraction of the raw material with which it is manufactured until the product is completely finished.

O1/A2: Study of Environmental Product Declaration (EPD) of construction sector in participant countries

- 1.2.1.- Report with the materials used in the construction of buildings. The construction methods of the countries involved will be analysed and so the materials used in each process to be taken into account when making the total count of CO2 emissions is produced.

- 1.2.2.- Report with environmental product declarations of each of the materials included in the previous activity a file which included each of the construction materials and their carbon footprint is created, i.e. kilograms of CO2 generated during production.

1.2.2.- Report with environmental product declarations of each of the materials included in the previous activity a file which included each of the construction materials and their carbon footprint is created

Nombre DAP	Organismo	Accesible	Vigencia	Producto	Norma aplicada	Fases evaluadas	Verificador
Producto de lámina impermeabilizante de PVC DANOPOL	EPD system	SI (PDF)	18/05/2020	PVC	15804/14025	Cuna-tumba	TECNALIA
Productos largos de acero no aleado para construcción laminados en caliente procedentes de horno eléctrico: perfiles estructurales de uso general, barras y perfiles comerciales	EPD aenor	SI (PDF)	30/07/2018	Acero	15804/14025	Cuna-puerta	AENOR
CEMENTO CEM II	EPD aenor	SI (PDF)	30/09/2019	Cemento	15804/14025	Cuna-puerta	AENOR
Placa cerámica media para fachada ventilada	DAP construccion	SI (PDF)	11/02/2017	Cerámico	14025/21930	Cuna-puerta	ITEC
Placa de yeso laminado BA13	GBC	SI (PDF)	11/06/2019	Cartón-yeso	15804/14025	Cuna-tumba	Bureau Veritas
(...)							

THANK YOU FOR YOUR ATTENTION



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