



INTELLECTUAL OUTPUT 3

CircularBIM Open Educational Resource (OER)

TASK O3-A1

IT production of Open Educational Resource



This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



This work is licensed under a [Creative Commons Attribution-Share Alike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).



Universitatea
Transilvania
din Braşov



ROMANIA
GREEN
BUILDING
COUNCIL





INTRODUCTION

This report is included in the task “O3-A1. *IT production of Open Educational Resource*”, corresponding to Intellectual Output 3 “*CircularBIM Open Educational Resource (OER)*” of the CircularBIM project.

An Open Educational Resource has been designed and produced to support the implementation of the produced CircularBIM Course. Training materials have been produced for the Open Educational Resource (OER).

The materials developed have been based on multimedia resources: drawings, animations, video recordings, pictures, etc. in combination with training materials elaborated in the Intellectual Output 1 “*Establishment of common learning outcomes on placing methods based on circular economy criteria, life cycle assessment (LCA) and relative regulations*”.

It is totally intuitive, in order to make the user take part in the learning process as much as possible.

The CircularBIM OER and all the information about the project are available in the following url:

- CircularBIM project web: **www.circularbim.eu**



CONTENS

1. CircularBIM website	4
1.1 Development of CircularBIM website	4
1.2 Presentation of CircularBIM website	6
2. CircularBIM Open Educational Resource (OER)	13
2.1 Presentation of the CircularBIM OER.....	13

TABLE OF IMAGES

Image 1 Main screen CircularBIM project website.....	4
Image 2 Menu of CircularBIM project website.	5
Image 3 Screenshot HOME.....	6
Image 4 Screenshot PROJECT.....	7
Image 5 Screenshot REPORTS.	8
Image 6 Screenshot OER.	9
Image 7 Screenshot CircularBIM products.	10
Image 8 Screenshot News and Events.....	11
Image 9 Screenshot Contact.	12
Image 10 Screenshot OER.	13
Image 11 OER Direct access. Regulations.....	14
Image 12 OER Direct access. Dissemination.	15



1. CircularBIM website

1.1 Development of CircularBIM website

This website of the CircularBIM project was created by CTM during the first period of the project and it is used as a common place to share the products of the project and base of the dissemination activities.

The first steps for the creation of this web page were taken in the first meeting of the project in Alicante (Spain), where CTM, as the partner in charge of the development of the web page and the platform, proposed some of the web addresses which were valid for the project and which were available. Between all the partners they decided that it would be <https://circularbim.eu/>.

Decisions were also made about the logo of the project that would appear on the website and, subsequently, it was decided that this logo would also be used to create the menu of the website, so that it would be subdivided into different parts and would serve to access each of the sections of the website in an interactive way.

As it can be seen in the image below, the logo of the project appears on the main screen of the web page.



Image 1 Main screen CircularBIM project website.



As you move your mouse over the different parts, a text of the section appears which you are redirected to if you click, so that it is easier to understand.



Image 2 Menu of CircularBIM project website.

Once all the graphic details of the website, the menu and the logos had been decided, designed and implemented, basic information about the project began to be included, such as the summary, the objectives, the list of reports developed throughout the project, etc. And, subsequently, the finalised documents resulting from the research and studies carried out by the project partners have been uploaded.

In the CircularBIM website are included the main Intellectual Outputs of the project, like the CircularBIM products (<https://circularbim.eu/index.php/productos-circularbim/>) and the OER (<https://circularbim.eu/index.php/oer/>).

It should be noted that the entire website was translated into the project partners languages and now is available in Spanish, Portuguese and Romanian, as well as in English. For the translation of the available contents, all partners of the project participated by contributing translations into their mother tongues as well as making corrections to the English language translations.

Currently, the CircularBIM platform is finished, as it is considered a dynamic tool and is fed by each and every one of the products and results of the project. Therefore, as the project progressed and the tasks were completed, this platform has been updated and completed. In the following sheets are summarised the contents of the website.



1.2 Presentation of CircularBIM website

In the following imagen, it should be seen the different section in which the CircularBIM project website is divided and the links to each of these sections.

HOME: <https://circularbim.eu/?lang=en>



Image 3 Screenshot HOME.



O3-A1. IT PRODUCTION OF OPEN EDUCATIONAL RESOURCE

PROJECT: <https://circularbim.eu/project/?lang=en>

COORDINATOR:
Universidad de Sevilla (España)

PARTNERS:
Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales (España)

CYPE SOFT SL (España)

Universitatea Transilvania din Brasov (Rumania)

Asociatia Romania Green Building Council (Rumania)

Centro Tecnológico da Cerâmica e do Vidro (Portugal)

Universidade do Minho (Portugal)

Erasmus+
Creando oportunidades, aprendiendo juntos.

This project has been funded with support from the European Commission.
This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Image 4 Screenshot PROJECT.



O3-A1. IT PRODUCTION OF OPEN EDUCATIONAL RESOURCE

REPORTS: <https://circularbim.eu/reports/?lang=en>



Cofinanciado por el programa Erasmus+ de la Unión Europea

[Home](#) [Project](#) [Reports](#) [OER](#) [CircularBIM PRODUCTS](#) [News and events](#) [Contact](#) [ES](#) [ES](#) [ES](#) [ES](#)



Consult all the documents and reports of the CircularBIM project ([under construction](#))

O1. Establishment of common learning outcomes on placing methods based on Circular Economy criteria, Life Cycle Assessment (LCA) and relative regulations.

- O1.A1. Comparative study on the normative for placing constructive elements with concepts of Circular Economy.
- O1.A2. Sustainable construction methods and procedures used for Circular Economy concepts.
- O1.A3. Reports on the results of First Workshop in Bucharest (Romania), hosted by Asociatia Romana Green Building Council (RoGBC).
- O1.A4. CircularBIM Course Curriculum based on ecological challenges and BIM technologies.

O2. New interactive BIM-learning methods for Circular Economy

- O2.A1. Guideline notes and functional specifications.
- O2.A2. Interactive CircularBIM Tool.
- O2.A3. Pedagogical test and implementation of IT improvements of Interactive CircularBIM Tool.
- O2.A4. Technical test and implementation of IT improvements.
- O2.A5. Report on the results of Second Workshop in Guimarães (Portugal), hosted by Universidade do Minho (UMinho).

O3. CircularBIM Open Educational Resource (OER)

- O3.A1. IT production of Open Educational Resource.
- O3.A2. Pilot CircularBIM Course implementation: environment test and technical improvements.
- O3.A3. Report on the results of Final International Seminar in Seville (Spain), hosted by Universidad de Sevilla (USE).



This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Image 5 Screenshot REPORTS.



O3-A1. IT PRODUCTION OF OPEN EDUCATIONAL RESOURCE

OER: <https://circularbim.eu/oer/?lang=en>



Cofinanciado por el programa Erasmus+ de la Unión Europea

[Home](#) [Project](#) [Reports](#) [OER](#) [CircularBIM PRODUCTS](#) [News and events](#) [Contact](#) [UK](#) [ES](#) [PT](#) [RO](#)



On this platform, you can access all the information collected during and after the end of the CircularBIM project. In addition, you can create your account and have access to the private area to update the information, it's totally free!

DIRECT ACCESS

PRIVATE AREA



This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Image 6 Screenshot OER.



CircularBIM PRODUCTS: <https://circularbim.eu/circularbim-products/?lang=en>



Cofinanciado por el programa Erasmus+ de la Unión Europea

Home Project Reports OER CircularBIM PRODUCTS News and events Contact    



This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Image 7 Screenshot CircularBIM products.



NEWS AND EVENTS: <https://circularbim.eu/news-and-events/?lang=en>

Portuguese
Projeto CIRCULARBIM
Iniciado no final de 2019, o Projeto CIRCULARBIM é um projeto europeu, financiado pelo Programa...

Spanish
Continuamos trabajando en el proyecto CircularBIM
A pesar de la situación actual a la que nos estamos enfrentando relativa al Covid-19...

Spanish
Primera reunión internacional del proyecto CircularBIM en Alicante
La Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales asistió el pasado...

Spanish
Aprobado el proyecto europeo CircularBIM del programa Erasmus+
La Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales participa en el...

Footer Logos: Universidade de Sevilla (USE), Transilvania University of Brasov, Universidade do Minho, CTM (Centro Tecnológico del mármol, piedra y materiales), CYPE, CTCV, Romanian Green Building Council (RoGBC).

Image 8 Screenshot News and Events.



CONTACT: <https://circularbim.eu/contact/?lang=en>

The screenshot shows the contact page of the Circular BIM project. At the top, there are logos for Circular BIM and the Erasmus+ program, along with the text 'Cofinanciado por el programa Erasmus+ de la Unión Europea'. Below this is a navigation menu with links: Home, Project, Reports, OER, CircularBIM PRODUCTS, News and events, and Contact. The main content area features a large puzzle piece graphic with a hard hat inside. Below the graphic is a contact form with the following fields: 'Your name (required)', 'Your email (required)', 'Subject', and 'Message'. There is also a CAPTCHA section with the text 'Please enter the CAPTCHA code' and a 'Send' button. At the bottom of the form, there is a checkbox for consent: 'You consent, by checking this box, to receive commercial and courtesy communications related to our entity through the telephone, ordinary postal mail, fax, email or equivalent electronic means of communication.' Below the form, there is a banner for 'Agencia Nacional Erasmus+ Educación y Formación'. At the very bottom, there is a row of logos for the project partners: Universidad de Sevilla, Transilvania University of Brasov, Universidade do Minho, CTM, CYPE, CTCV, and ROMANIA GREEN BUILDING COUNCIL.

Image 9 Screenshot Contact.



2. CircularBIM Open Educational Resource (OER)

This Open Educational Resource was designed and produced to support the implementation of the CircularBIM Course and Interactive CircularBIM Tool. It is available for free on the project website for being used as a supporting material in the numerous architectures, construction and heritage courses distributed within the sector of circular economy products.

The CircularBIM OER is considered as one of the core tasks of the project and therefore need the special attention in its correct development and design. For that reason, CTM was the developer of this OER counting with the support and contribution of rest of partners.

All the didactic contents are related to sustainable construction methods, life cycle assessment and new placing methods based on circular economy criteria.

2.1 Presentation of the CircularBIM OER

The OER of the CircularBIM project is available in the link: <https://circularbim.eu/oer/?lang=en>.

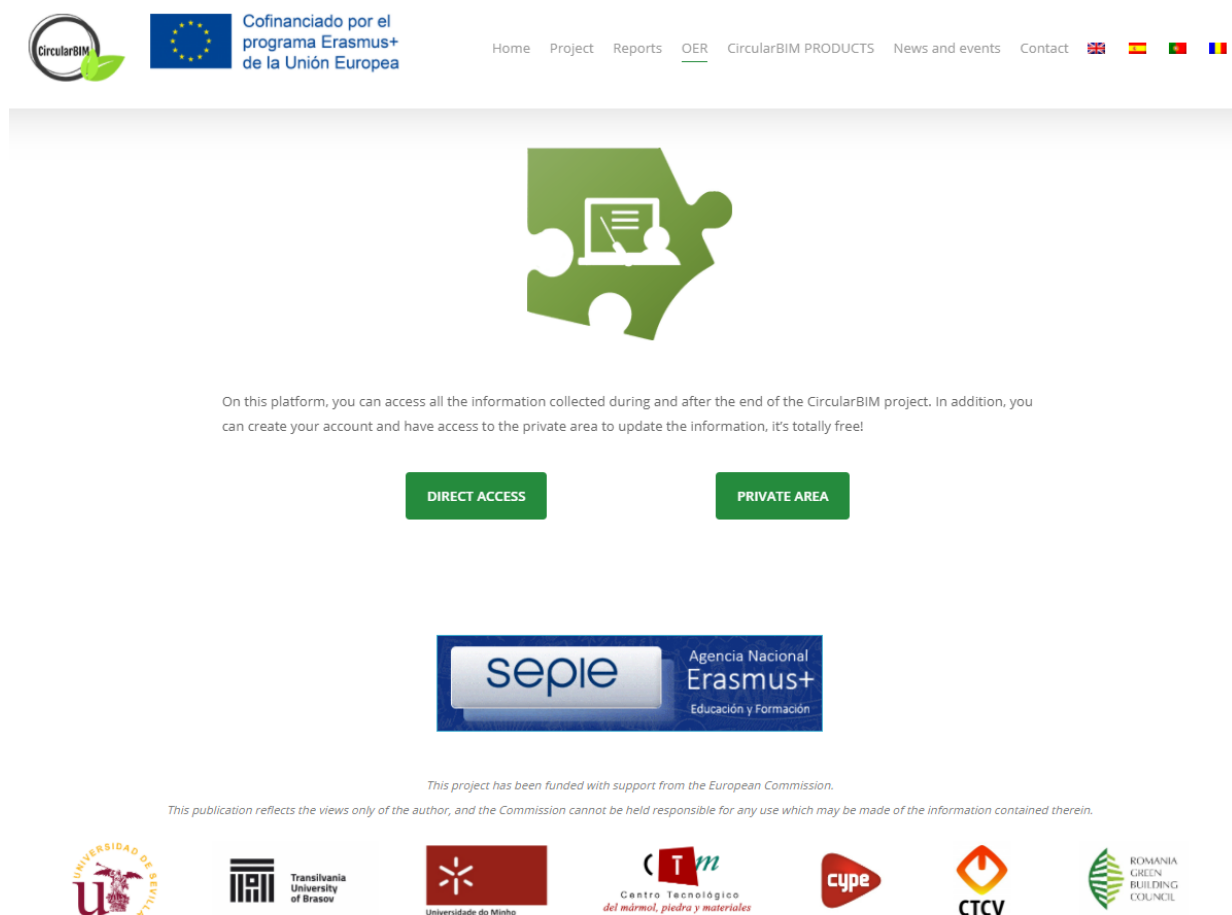


Image 10 Screenshot OER.

So that this Open Educational Resource can contain all the information and contents of the project in an orderly and intuitive way for consultation, it was decided to divide it into as many sections as different contents would contain.



O3-A1. IT PRODUCTION OF OPEN EDUCATIONAL RESOURCE

That is, within the Direct Access the following sections were created and are available in <https://circularbim.eu/oer/?lang=en>:

1. Regulations.
2. Technical reports.
3. CircularBIM products.
4. BIM objects.
5. Dissemination.



Cofinanciado por el programa Erasmus+ de la Unión Europea

Home Project Reports OER CircularBIM PRODUCTS News and events Contact   



REGULATIONS			
Name and description	Upload by	Language available	Date
1.1. Spanish regulations	USE	 	May 2020
Report on compilation on Spanish regulations for placing constructive elements with concepts of Circular Economy			
1.2. Portuguese regulations	UMinho	 	May 2020
Report on compilation on Portuguese regulations for placing constructive elements with concepts of Circular Economy			



This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Image 11 OER Direct access. Regulations.



O3-A1. IT PRODUCTION OF OPEN EDUCATIONAL RESOURCE



Cofinanciado por el programa Erasmus+ de la Unión Europea

[Home](#) [Project](#) [Reports](#) [OER](#) [CircularBIM PRODUCTS](#) [News and events](#) [Contact](#) [UK](#) [ES](#) [PT](#) [RO](#) [FR](#)



DISSEMINATION

Name and description	Upload by	Language available	Date
Video of the presentation of the CircularBIM Project	CYPE		06 de febrero 2020



This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Transilvania
University of
Brasov



Universidade do Minho



Centro Tecnológico
del mármol, piedra y materiales



CTCV



ROMANIA
GREEN
BUILDING
COUNCIL

Image 12 OER Direct access. Dissemination.