



CÁLCULO DEL IMPACTO AMBIENTAL DE UN PROYECTO A PARTIR DE MODELOS BIM

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Co-funded by the
Erasmus+ Programme
of the European Union



PROYECTO CIRCULAR BIM

Metodologías de construcción y procedimientos basados en conceptos de economía circular mediante el uso de BIM



ROMANIA
GREEN
BUILDING
COUNCIL



Universitatea
Transilvania
din Braşov



EDUCATIONAL PLATFORM FOCUSED ON ADVANCED STRATEGIES OF REINSTATEMENT OF BUILDING MATERIALS IN THE INDUSTRIAL VALUE CHAIN TO PROMOTE THE TRANSITION TO THE CIRCULAR ECONOMY THROUGH THE USE OF BIM LEARNING TECHNOLOGIES

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OBJETIVOS

CONCIENCIACIÓN | FORMACIÓN | DIGITALIZACIÓN

01. Establecimiento de un plan de estudios común enfocado a los métodos de colocación basados en criterios de Economía Circular, Análisis de Ciclo de Vida (ACV) y normativas.

- 01.A1. Estudio comparativo de las normativas para la colocación de elementos constructivos con conceptos de Economía Circular.
- 01.A2. Métodos y procedimientos de construcción sostenible usados para introducir la Economía Circular en edificación.
- 01.A3. Informe de los resultados del Primer Workshop en Bucarest (Rumanía), organizado por la Asociación Rumana Green Building Council (RoGBC).
- 01.A4. Plan de estudios CircularBIM basado en retos ecológicos y tecnologías BIM.

02. Nuevos métodos interactivos de aprendizaje BIM para Economía Circular

- 02.A1. Notas directrices y especificaciones funcionales.
- 02.A2. Herramienta interactiva CircularBIM.
- 02.A3. Testeo pedagógico e implementación de mejoras técnicas en la herramienta interactiva CircularBIM
- 02.A4. Testeo técnico e implementación de mejoras.
- 02.A5. Informe de los resultados del Segundo Workshop en Guimarães (Portugal), organizado por Universidad de Minho (UMinho).

03. Centro de Recursos Online (OER) CircularBIM

- 03.A1. Producción informática del Centro de Recursos Online.
- 03.A2. Implementación del curso piloto CircularBIM: pruebas de entorno y mejoras técnicas.
- 03.A3. Informe de los resultados del Seminario Internacional Final en Sevilla (España), organizado por Universidad de Sevilla (USE).

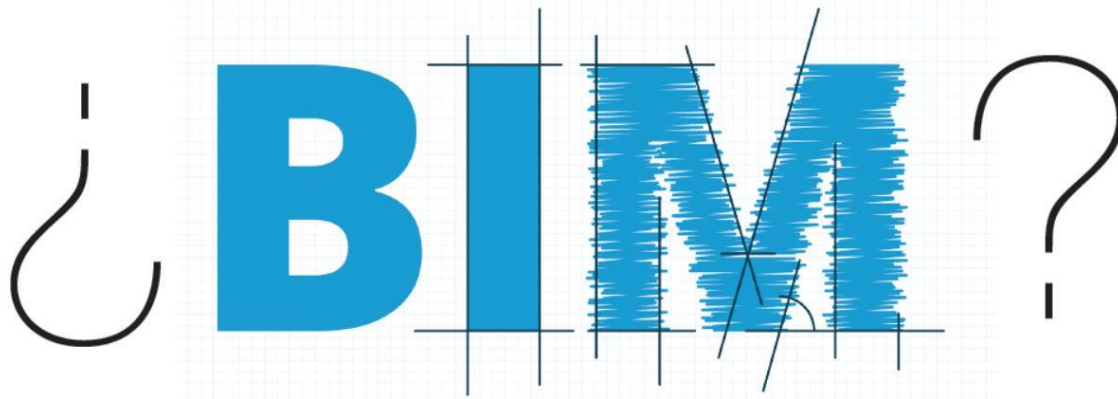


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BIM



Building Information Modeling

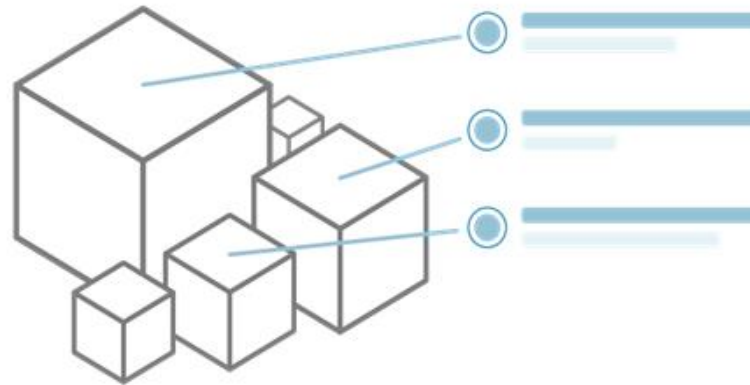


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TECNOLOGÍA | METODOLOGÍA

Nuevas herramientas | Nuevos flujos de trabajo/procesos



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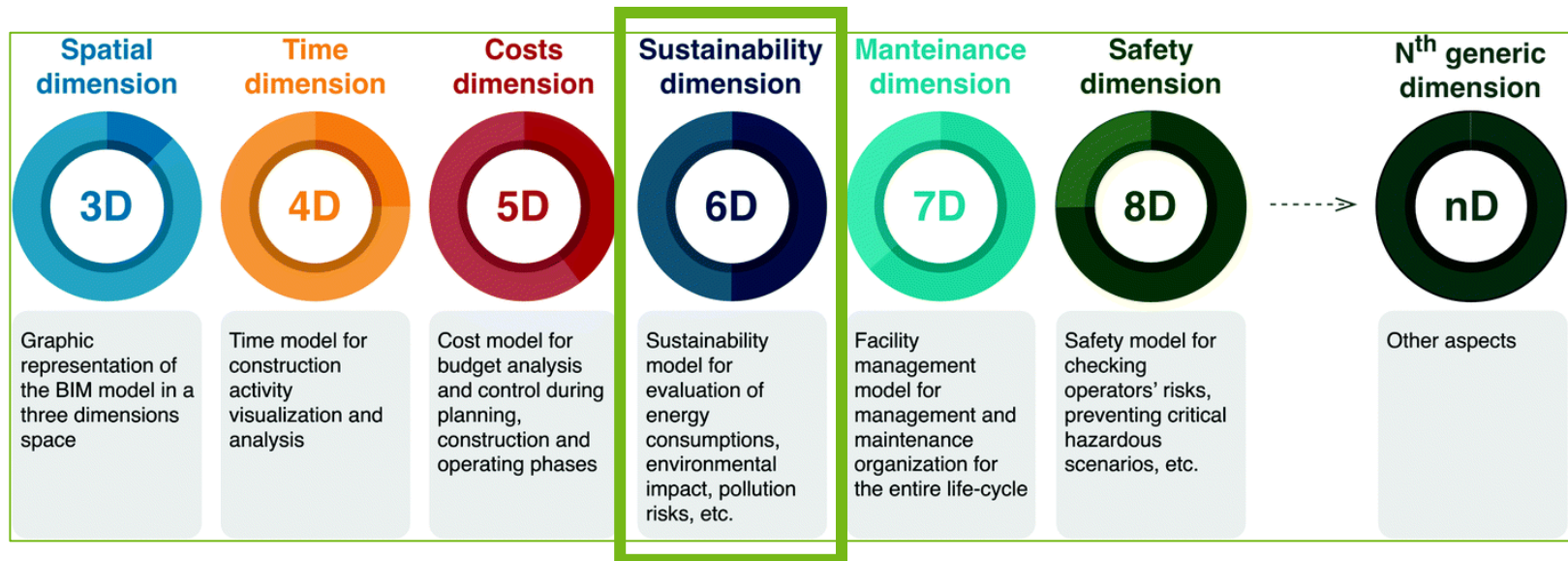
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BIM

DESAFÍOS en el desarrollo de estudios de evaluación ambiental de ACV:

No obligatorios + Complejos + Subjetivos



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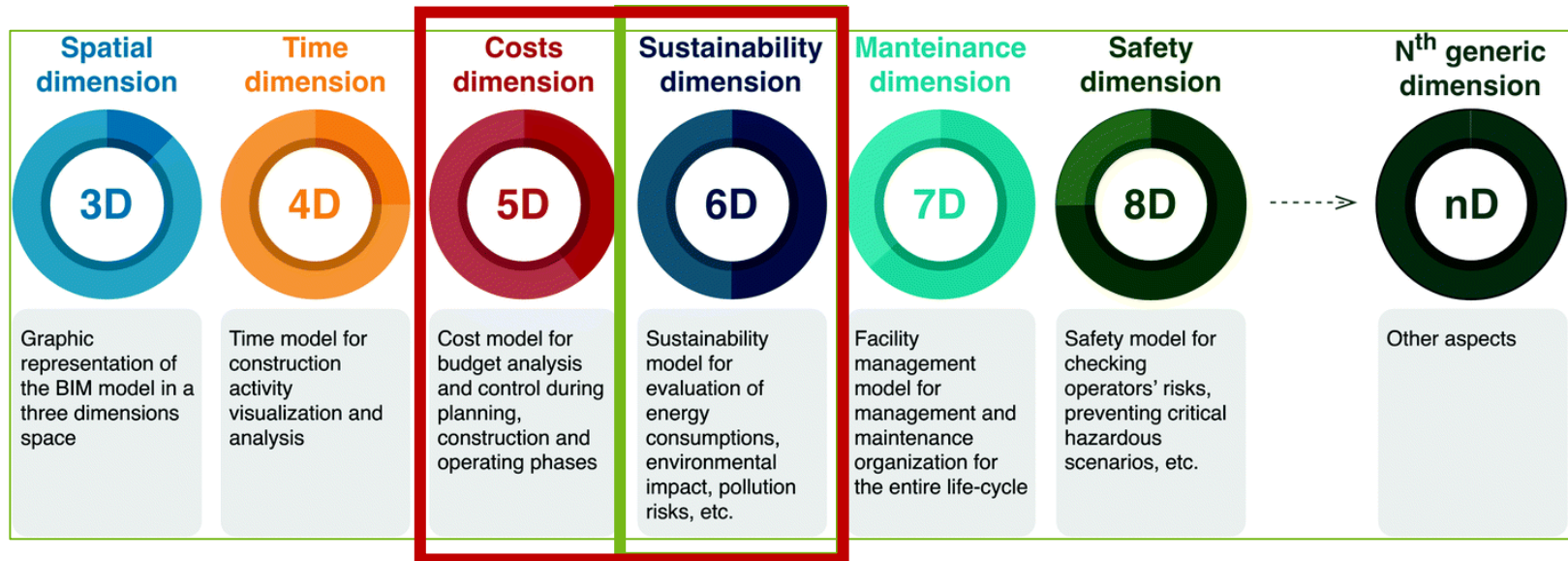
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FLUJO DE TRABAJO

MODELO BIM

Datos de cantidades vinculados
a geometría clasificada



BASE DE SOLUCIONES CONSTRUCTIVAS

Datos paramétricos de costes y
parámetros ambientales

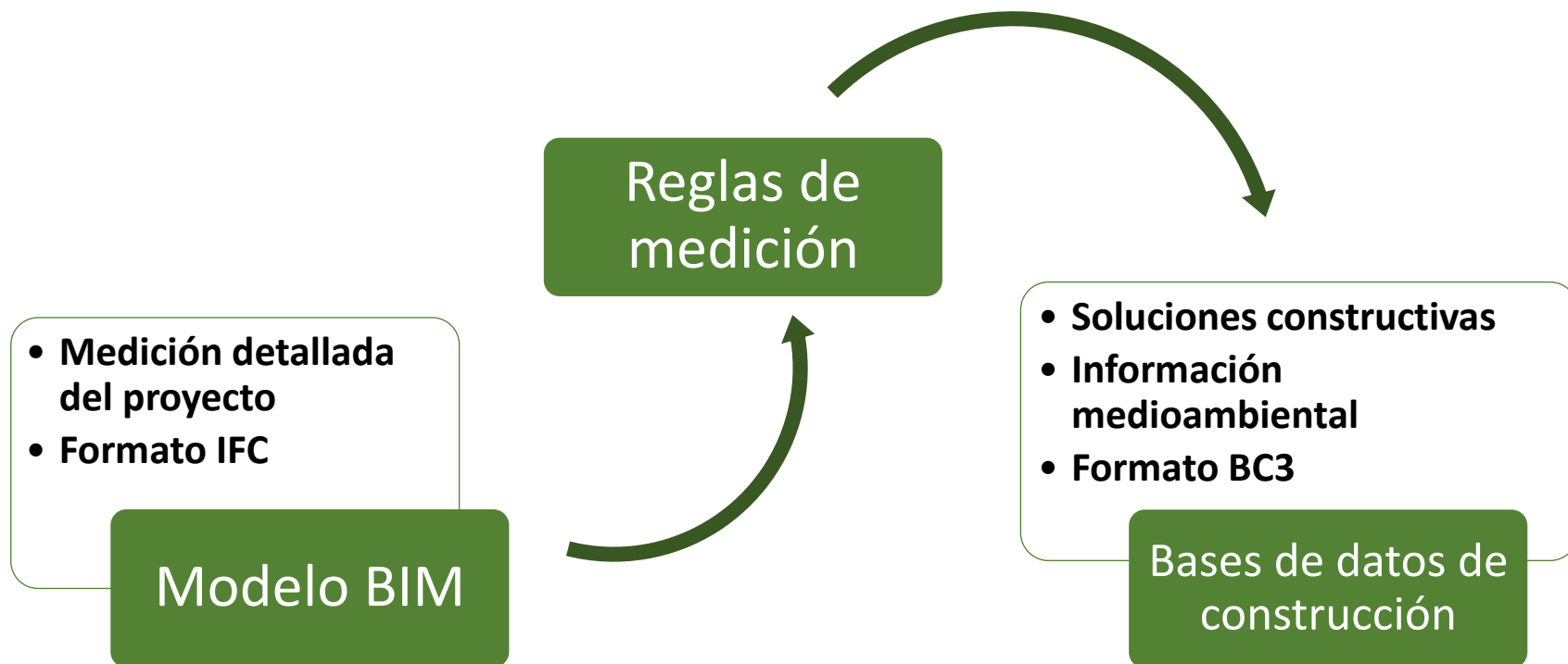


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FLUJO DE TRABAJO



AUTOMATIZACIÓN DE PROCESOS



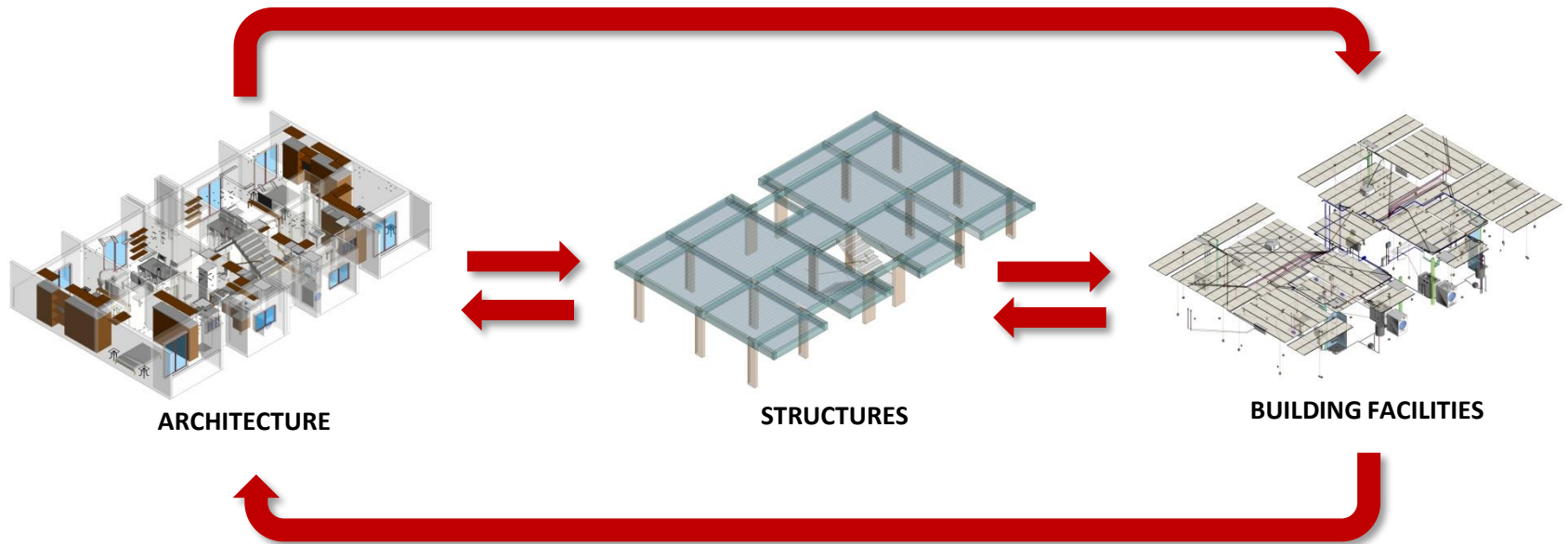
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MEDICIONES / PRESUPUESTO -> IMPACTO AMBIENTAL



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The slide features a blue background with a blurred image of a calculator and a pen over a document. In the top left corner, there is an icon of a house with a pencil and a stack of coins with a dollar sign. The main title is 'Open BIM Quantities'. Below it, the text reads: 'Generación de mediciones y presupuestos a partir de modelos BIM en formato IFC.' In the bottom left, there is a 'cype' logo. The bottom center contains the text: 'CYPE Ingenieros, S.A. | 2022.h', 'Software para Arquitectura, Ingeniería y Construcción', and 'C3D Geometric Modeling Kernel <<C3D Labs>> LLC. All rights reserved.' In the bottom right, there is a table with columns 'Investment' and 'Year' containing numerical data.

Open BIM Quantities

Generación de mediciones y presupuestos a partir de modelos BIM en formato IFC.

cype

CYPE Ingenieros, S.A. | 2022.h
Software para Arquitectura, Ingeniería y Construcción
C3D Geometric Modeling Kernel <<C3D Labs>> LLC. All rights reserved.

Investment	Year
424 963	46
446 211	1 00
468 522	1 62
491 948	2 32
516 545	3 12
542 372	

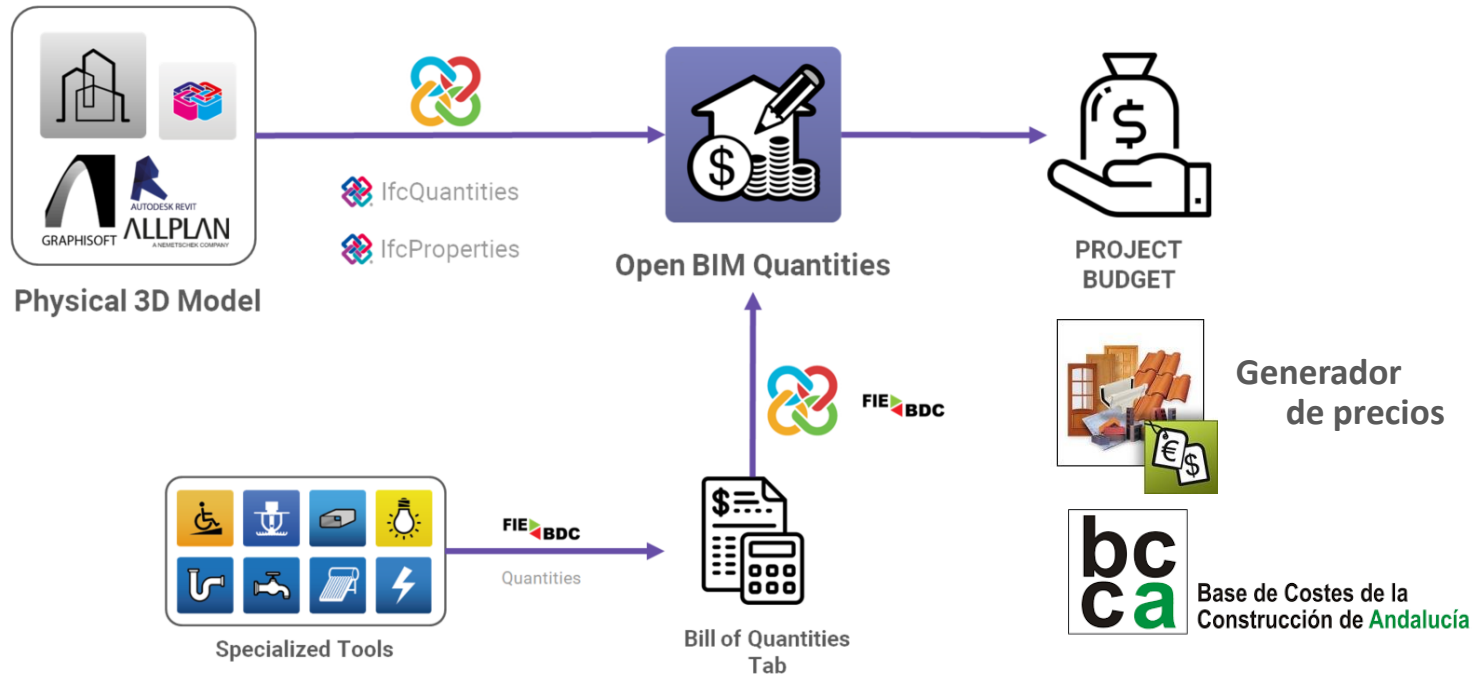


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¡GRACIAS!

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