

# Final dissemination event

## Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels (IMIP)



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Polytechnic University of Catalonia

**Sevilla, 18/04/2023**

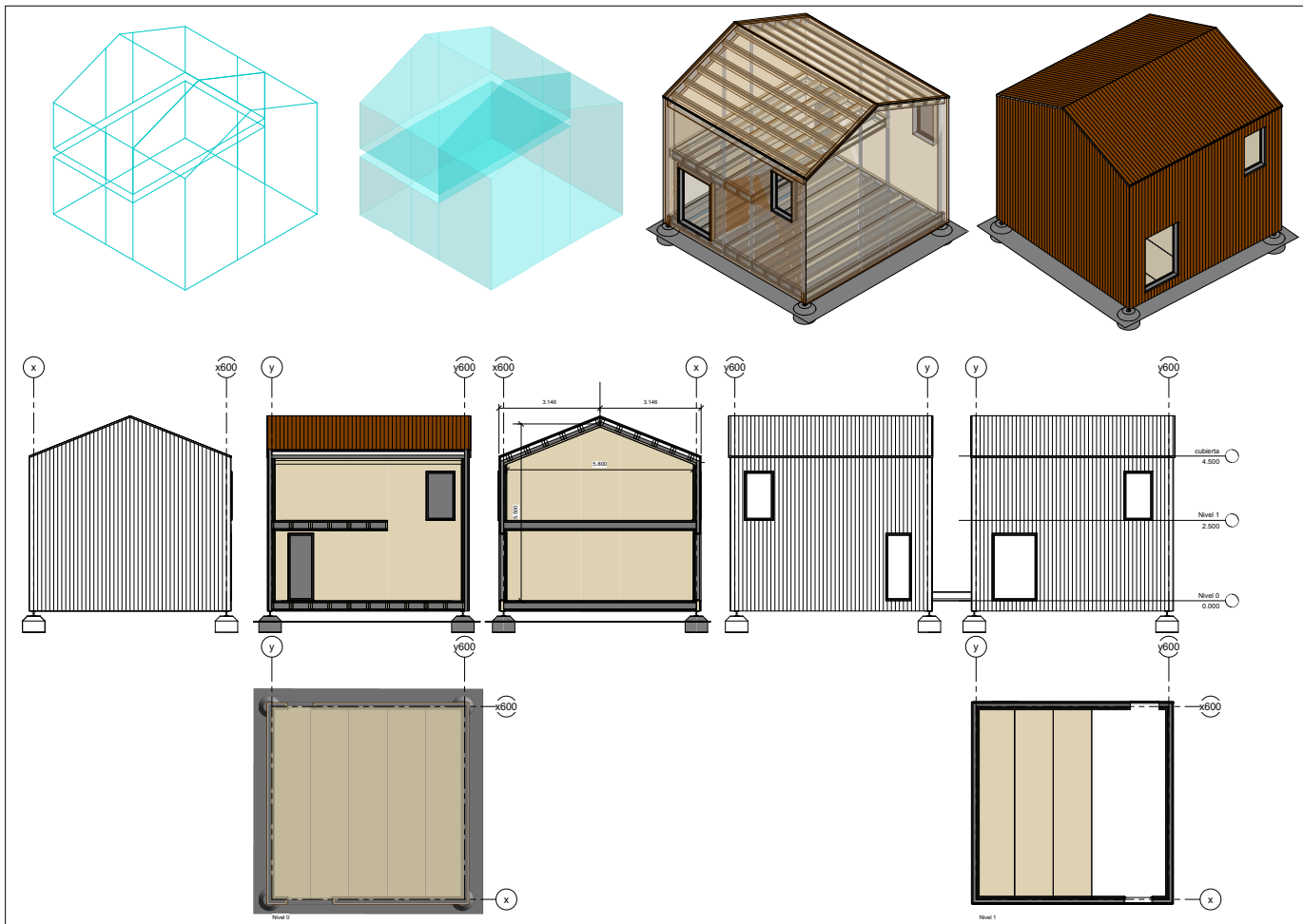
IMIP Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based

# BIM Digital Twin App Web Virtual Reality Metavers



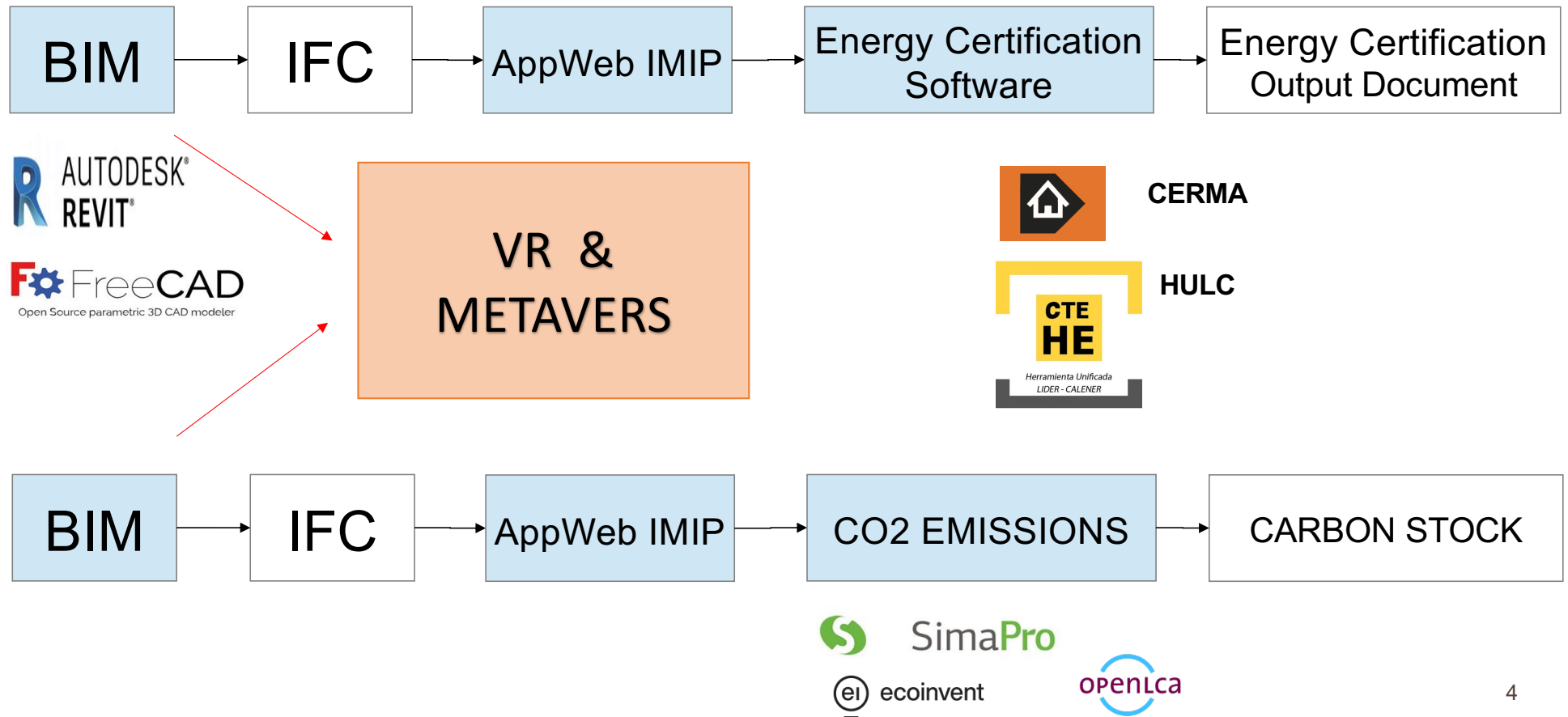
Building  
Information  
Modeling

BIM



# IMIP

IMIP Innovative Eco-Construction System Based on  
Interlocking Modular Insulation Wood & Cork-Based





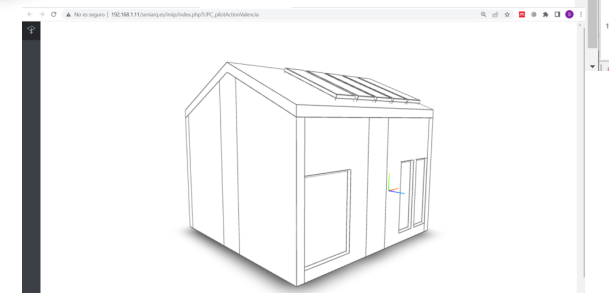
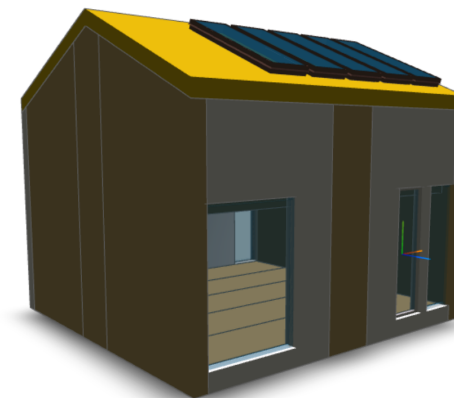


## Visualization of the state of our appweb



IMIP  
Innovative Eco-Construction System Based on  
Interlocking Modular Insulation Wood & Cork-Based Panels

Benafer7	536.19K	2022-03-04 11:56:14
Benafer_TFM_Sandra_Estructura	224.49K	2021-12-21 22:05:41
CECVentanaIFC	13.53K	2022-03-21 12:41:14
CECFachadaIFC	12.64K	2022-03-21 12:18:40
PoblaVallbona	5.67M	2022-03-10 16:17:43
PoblaVallbona_instalaciones	39.20M	2022-03-11 12:38:39
Sandra_FreeCADpilotaction	145.38K	2021-11-12 13:46:16
TFG_Ricardo	104.91K	2021-11-11 15:03:47
TestSite287_ID_UPV_ICTvsCC_LGS	27.22M	2022-02-24 19:05:46
UPC_Prototipo_UPV_V1_2022_energychanges	97.62K	2021-11-29 11:16:12

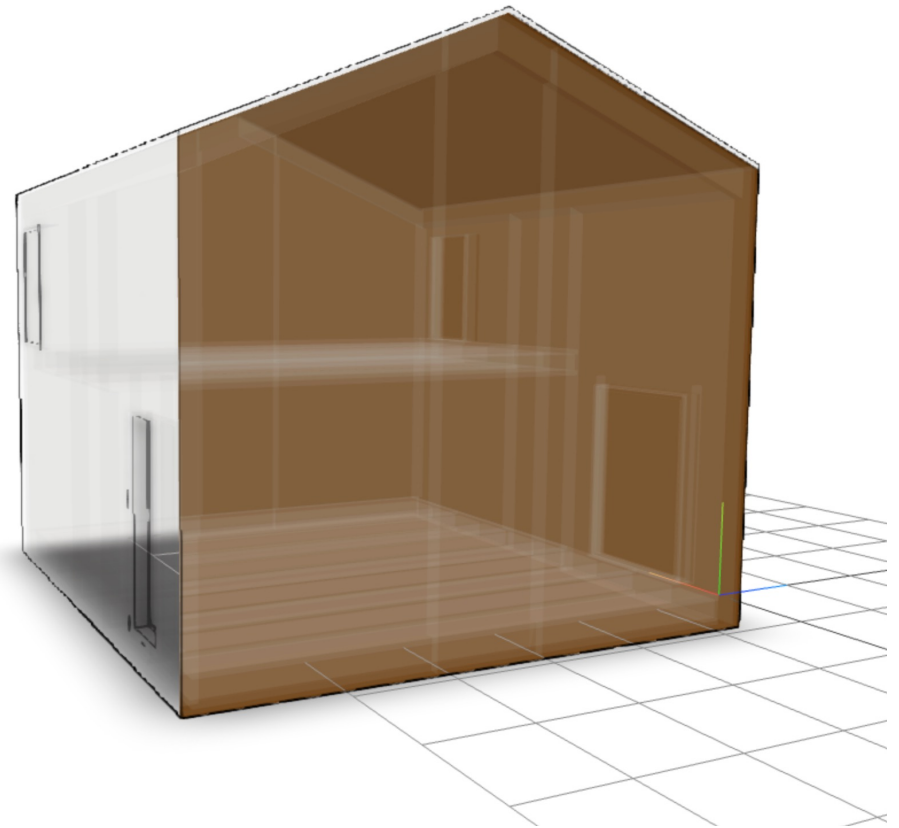
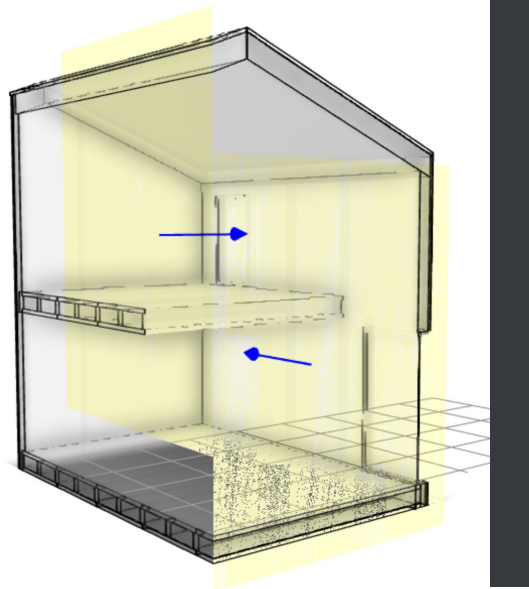


Interactive website by  
pressing the E key



App Web

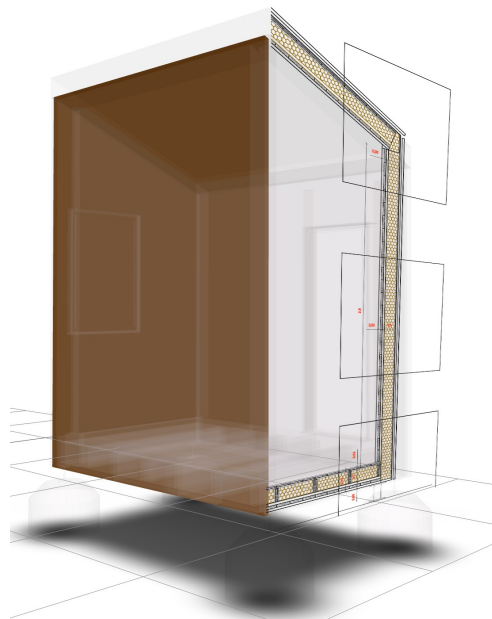
Energy efficiency





BIM

Virtual Reality



**IMIP panel types**

Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels Innovative

**Type B (Roof):**

- Composite CLT 45 mm
- 100mm Black cork board
- Composite CLT 45 mm

**Type B L1000**

**IMIP panel types**

Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels Innovative

**Type D (Wall):**

- CLT 100 mm
- 100 mm Black cork board

**Type D Cross**

**IMIP panel types**

Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels Innovative

**Type C (Slab):**

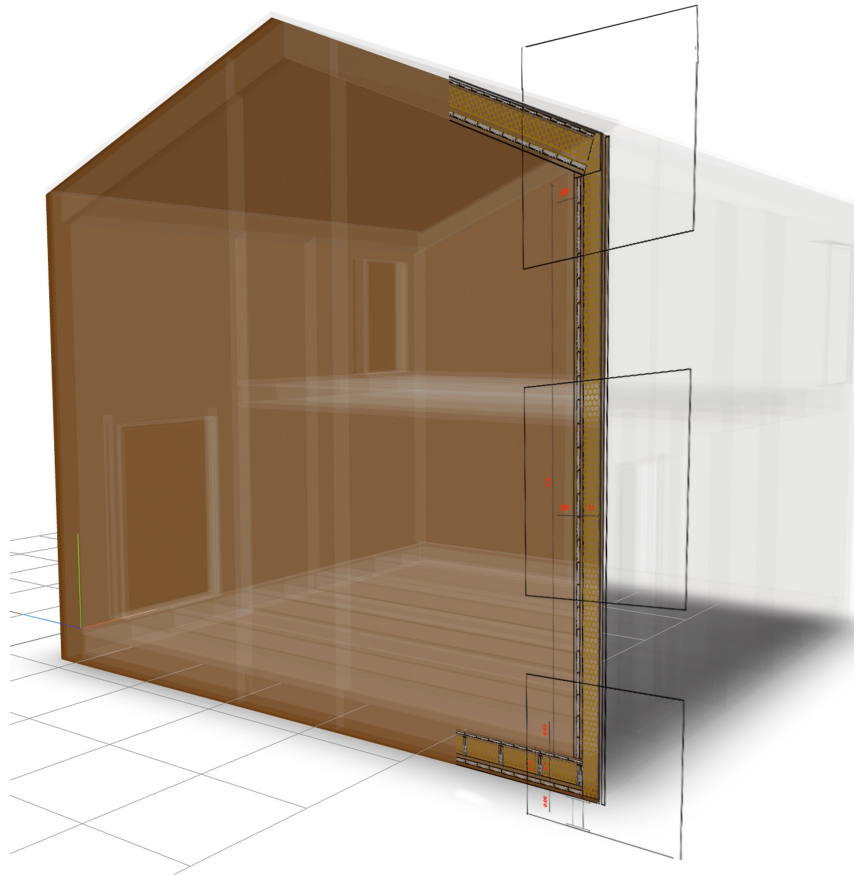
- CLT 60 mm
- 200mm ribs & granulated cork
- CLT 60 mm

**Type C L1000**



BIM

Virtual Reality



**IMIP panel types**

Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels Innovative

**Type A (Slab):**

- CLT 60 mm
- 200mm ribs & granulated cork

**Type A L/200**

**IMIP panel types**

Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels Innovative

**Type D (Wall):**

- CLT 100 mm
- 100 mm Black cork board

**Type D Cross**

**IMIP panel types**

Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based Panels Innovative

**Type C (Slab):**

- CLT 60 mm
- 200mm ribs & granulated cork
- CLT 60 mm

**Type C L/200**





# Virtual Reality Digital Twin







## IMIP Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based



IMIP Innovative Eco-Construction System Based on Interlocking Modular Insulation Wood & Cork-Based





Dejar

<https://www.spatial.io/s/IMIP-639851d70ec80e0001c8217e?share=4082293763439250989>

METAVERS



IMIP



Compartir

