









JUL 2024 NEWSLETTER

Multiplier Events

As we conclude the BIM-LCA project in August 2024, we highlight the three key multiplier events held in Norway, Romania, and Spain. These events have played a crucial role in disseminating the project's findings and engaging stakeholders from various sectors.



Spain Circularity in the construction sector The BIM-LCA project was showcased at this event dedicated to circularity in the construction sector. Various presentations highlighted the project's themes, such as "Sustainable Alternatives in Construction," "Life Cycle Assessment and Circular Economy in Construction," and "BIM and LCA Workflow." This event facilitated discussions on sustainable construction

practices and the integration of circular economy principles in the industry.



Romania

A day dedicated to integrative design in construction featured several presentations focusing on LCA and circular economy. Topics covered included "LCA in Lighting" and "LCA of a Roof Mounted PV System." The second part of the event concentrated on BIM solutions, with discussions on "Open BIM Solutions" and the "BIM Model of a Building Structure." This event fostered collaboration and knowledge sharing among professionals in the construction industry.



Norway Prosjekt-EXPO 2024

Høgskolen i Østfold (HiØ) hosted this exhibition, showcasing the advances and results of various European-level projects, including the BIM-LCA project, emphasizing green transition in construction.

1st International Conference Net-Zero Built Environment

The event featured an insightful oral presentation on "Economic and Carbon Footprint Assessment for Energy Upgrading of Buildings: Scenarios for a Combined Warehouse and Office Building in Norway." Attendees explored innovative solutions for sustainable building practices and their impact on economic and environmental performance, contributing to shaping the future of construction.

Web LCA

GD BIM-LCA



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Results										View my results		
Date: 31 Jul 2024 Location: Spain Evaluation of: Single-storey bu	ilding											
	FOUNDATION		NON-LOAD BEARING ELEMENTS			FACADE			ROOF			I
	Concrete (CON1)		Concrete (CONT)			Mineral pre-made mortar (PLASM)			Ceramic tiles (CEFT)			I
	GWP / kp C02 eq.	33840.00	GWP / kg 002 es.	12690.00		GWP /kp 002 eq.	8976.00		GWP / xp 002 eq.	2360.00		
	Rebar (HEB)		Rebar (HEB)			Red bricks or ceramic blocks (CERS)			PTM reinforced bitumen membrane (wP)			I
	GWP / kg 002 eq.	4995.96	GWP / kg 002 eq.	1146.54		GWP / kg 002 eq.	27804.70		GWP /xg 002 eq.	696.00		
	Blinding concrete (CONO)		Graded aggregates (AGG)			Mineral wool insulation (MWOOL)			Mineral wool insulation (s		ſ	
	GWP / kp 002 eq.	1272.00	GWP / kg 002 es.	310.50		GWP / kg coz eq.	4335.00		GWP / kg coz eq.	1734.00		
			Ceramic tiles (CEFT)			Welded and pickled stainless steel products (ST-SL)		Cement mortar (MOR)				
			GWP / Ng C02 eq.	2809.58		GWP /kg C02 es	75520.00		GWP / xp 002 eq.	5520.00		
			Tile bond adhesive (ADH)			Passiv PVC double glazed		I				
			GWP / kg 002 es.	734.30	L.	window (wss_PVC)						
			Cement mortar (MOR)			GWP / kp 002 eq.	29822.50					
			GWP / kg 002 eq.	7493.40		Exterior glazed doors (DOOR_OL)						
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Calculator

Our Life Cycle Assessment (LCA) calculator for buildings is now available on our website. This tool is designed to help both professionals and students in the construction sector evaluate the environmental impact of their projects, promoting sustainable building practices. Visit our website to explore and use the LCA calculator.

New Blog in our Website

Follow up with our website to keep up with new information. We are currently updating the blog with the latest news



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