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BAMB STAKEHOLDER NETWORK: Special Interest Group 6 Case studies and pilots

LAUNCH OF THE BAMB STAKEHOLDER NETWORK, BRUSSELS



SPECIAL INTEREST GROUP 6: CASE STUDIES AND PILOTS

PRESENTED BY: HANNELORE GOENS

Leading Partner:



Contributing Partners:



CASE STUDIES AND PILOTS – AIMS AND OBJECTIVES

- 1/ Investigate BAMB-results
- 2/ Involve stakeholders
- 3/ Example building

CASE STUDIES AND PILOTS – AIMS AND OBJECTIVES

1/ Investigate BAMB-results

TEST TOOLS

- Material Passports
 - Platform & Passports
- Reversible Design tools
 - Re-use potential tool
 - Transformation capacity tool
 - Design protocol for dynamic & circular building
- BIM
 - Methodology
 - BIM add-on beta version

INPUT TO...

- Business Models
- Policies & Standards
 - Assessment & Suggestions
- Reflexive monitoring (2 pilots)
 - Barriers & Opportunities
 - Support towards Transition

CASE STUDIES AND PILOTS – AIMS AND OBJECTIVES

2/ Involve stakeholders

- Participate to new developments
- Generate / improve together systems, methods, materials, protocols
- Facilitate market uptake

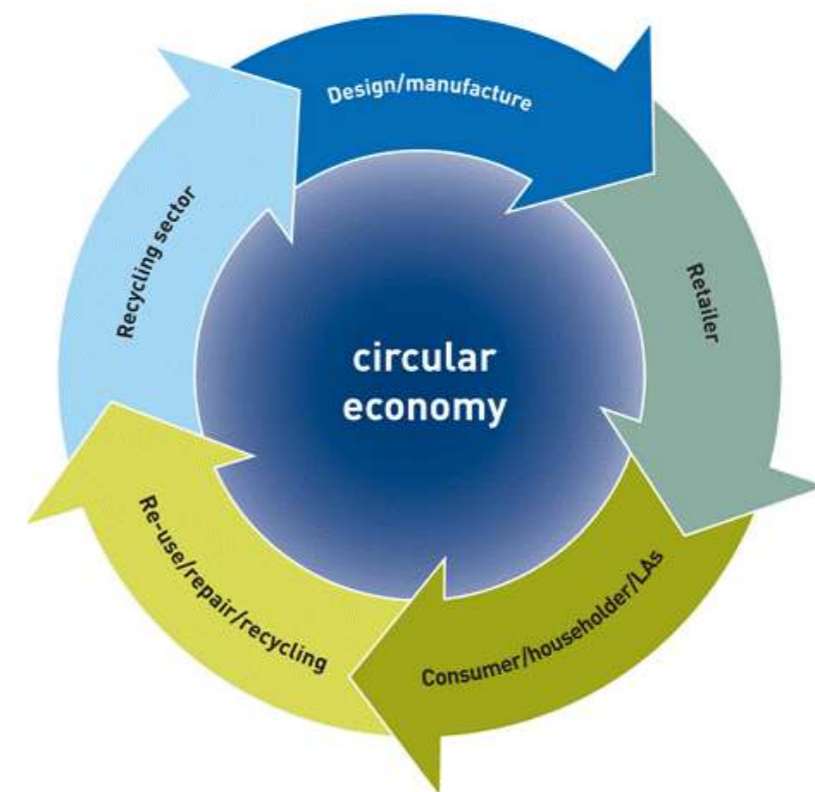


CASE STUDIES AND PILOTS – AIMS AND OBJECTIVES

3/ Example building

Showcase for dynamic & circular building

- Circular building design
- Transformation capacity
- New / improved techniques & systems
- New business models



CASE STUDIES AND PILOTS – KEY RESULTS

Feasibility Study	Prototyping	Building	Pilot	BAMB partner
			Green Transformable Building Lab (GTBL)	ZUYD
			Reversible Experience Modules (REM)	EPEA
			Green Design Centre Building	SGDF
			Refurbishment Lab	VUB
			Event & Greenhouse Facility	IBGE
			New Office Architecture	D&S

CASE STUDIES AND PILOTS – KEY RESULTS

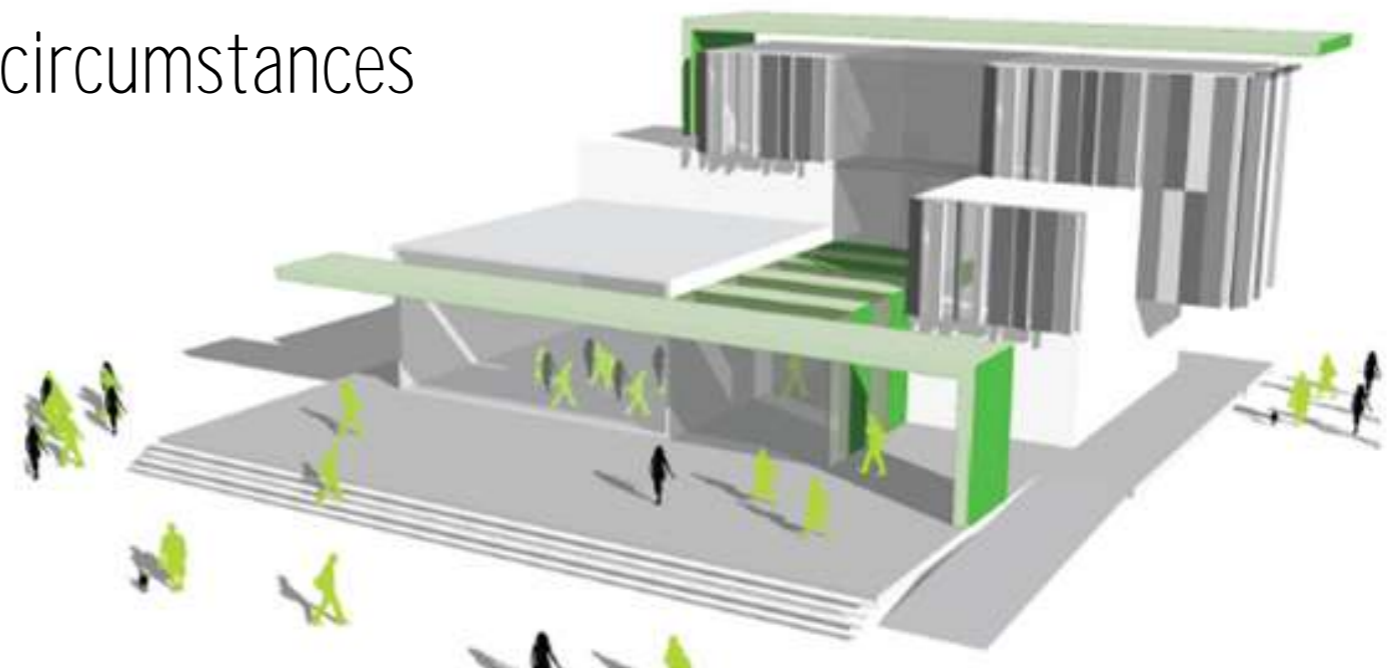
1/ Green Transformable Building Lab – ZUYD

- Dynamic multipurpose structure
 - Carrier of transformations (stable part)
 - Exchangeable/dynamic parts > customization and upgrading
- Actively interacting with changing circumstances
- Showcase & laboratory

Era: 150 m²

Function: showcase

Location: Heerlen



CASE STUDIES AND PILOTS – KEY RESULTS

2/ Reversible Experience Modules – EPEA

Era: different
Function: showcase
Location: multiple

- Portable and modular demonstrators > different locations & configurations
- Interactive learning modules
 - Material Passports
 - Reversible design
- Create awareness



CASE STUDIES AND PILOTS – KEY RESULTS

3/ Green Design Centre Building – SGDF

- Multipurpose and demountable/replaceable structure
 - Information centre, workshop space, exhibition, housing & office
- Joint ownership with contractors & material suppliers

Era: 100 m²

Function: showcase

Location: Mostar

CASE STUDIES AND PILOTS – KEY RESULTS

4/ Refurbishment Lab – VUB

- Refurbishment of student housing modules in 3 stages
 1. Test & showcase transformable internal infill
 2. Add transformable external walls
 3. Full transformation
- Multiple functions: transformed and changed regularly

Era: 24 m² / module
Function: pop-up
Location: Brussels



CASE STUDIES AND PILOTS – KEY RESULTS

5/ Event & Greenhouse Facility – BE

- 2 functions in 1 volume (horticulture space & reception hall)
- Reversible design through standardization and prefabrication
- Opportunities & barriers in the actual building practice.
- Involve local actors and stimulate circular industry

Era: 3338 m²

Function: event &
greenhouse facility

Location: Brussels



CASE STUDIES AND PILOTS – KEY RESULTS

6/ New Office Architecture – D&S

Era: 10 0000 m²
Function: office
Location: Essen

- Recycled concrete building
- Special focus on C2C-design principles & development of best practice solutions
- Show possibilities of BAMB under realistic market conditions
- Creation of built reference: realistic showcase



CASE STUDIES AND PILOTS – OPPORTUNITIES FOR STAKEHOLDERS

Learn

- Up-to-date information on circular & dynamic building concepts
- Technical and other barriers, opportunities and best practices

Exchange

- Expand your network in the circular built environment
- Exchange experience & Feedback on BAMB - results
- Working with pioneering circular economy partners and developments

How?



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