

# BUILDINGS AS MATERIAL BANKS

a pathway for a circular future

Sharing Tools & Results - INDUSTRY DAY

5 February 2019 09:00 - 18:00 SBE19 Brussels – BAMB-CIRCPATH  
Brussels Environment (IBGE-BIM), Tour & Taxis, Avenue du Port 86C/3000, 1000 Brussels, Belgium



8.00	Registration & coffee
9.00	<b>Welcome</b> <i>Barbara Dewulf, Deputy Director General, Brussels Environment</i> Event moderated by Peter Woodward
	<b>STORY - The influence of BAMB in shaping circularity in the construction industry</b> <i>Caroline Henrotay, BAMB Project Coordinator, Brussels Environment</i>
	<b>Opening keynote - 'The Secret Life of Buildings'</b> <i>James Drinkwater, Director of World GBC's Europe Regional Network</i> The global building sector is uniquely positioned to help deliver the goals of the Paris Agreement and UN SDGs. But until we bring the secret life(cycle) of buildings into the light and deliver a circular sector, a 2 degree pathway will lie beyond our reach. Hear how Europe can lead the construction culture shift the world badly needs...
	<b>HOW - The BAMB tools and findings lay the foundation for a pathway towards a circular future.</b> <i>Pitching session to pick and choose the results you wish to explore further in the parallel sessions (see details on next page).</i> <b>1. Making the Right Decision for Circularity</b> <i>Gilli Hobbs, BRE</i> <b>2. How can we collaborate to empower the development of materials passports?</b> <i>Lars Luscuere, EPEA</i> <b>3. Reversible building design tools, opening the door to circular construction</b> <i>Elma Durmisevic, University of Twente and 4D Architects</i> <b>4. Turning BAMB solutions into value for your business</b> <i>Martijn Peters, IBM</i> <b>5. Policy Recommendations – supporting the sector through policy in order to make circularity business as usual</b> <i>Molly Steinlage, BAMB Project Coordinator, Brussels Environment</i> <b>6. Learning by doing – circular architecture tested at real scale</b> <i>Teodora Capelle, Brussels Environment and representatives of the four pilot projects</i>
10:30	Coffee Break
11:00	<b>Parallel sessions – PART I : Explore the BAMB tools and results for your business and industry</b> <i>Explore the BAMB tools and results for your business and industry. Choose from the pitching sessions above (see details on next page).</i>
12:30	Lunch
13:30	<b>Parallel sessions – PART II : Explore the BAMB tools and results for your business and industry</b> <i>Explore the BAMB tools and results for your business and industry. Choose from the pitching sessions above (see details on next page).</i>
15:00	Coffee Break
15:30	<b>What did you say?</b> A look at the highlights from the different parallel sessions and some of your most noteworthy contributions.
	<b>Welcome to Reburg – the world's most circular city!</b> Imagine a city where the concept of 'buildings as material banks' is fully developed: a city where buildings are designed to be easily transformed and disassembled in to smaller parts for other purposes!; a city where information on buildings and building products is shared in order to get building materials and products into valuable technological and biological cycles and eliminating the concept of waste; a city where circular businesses are thriving by creating mutual benefits for building professionals, manufacturers, financiers and building users through sustainable product service systems. Something for the distant future, you would think? Let us look together at the first signals of change...It is already happening today! <i>Wim Debacker, VITO</i>
	<b>The voice of the Industry: panel</b> <i>James Drinkwater, Director of World GBC's Europe Regional Network</i> <i>Mark Edwards, Environmental Assessment Manager - Resources &amp; Construction, Heathrow Airport</i> <i>Sébastien Garnier, Innovation and Project Manager, Housing Europe</i> <i>Didier Leon, Senior Relationship Manager Real Estate &amp; Infrastructures, Triodos Bank</i> <i>Josefina Lindblom, Level(s) framework, DG Environment, European Commission</i> <i>Stefania Rocca, Executive Agency for Small and Medium-Sized Enterprises (EASME)</i> An opportunity to hear from high-level panelists from the building sector and provide feedback on the BAMB vision and results. This session will build on panelists' concrete experiences and perspectives from policy, business, external costing and finance, and discuss the road forward towards a circular building sector. The audience will be invited to join in the discussion using Sli.do.
	<b>Closing keynote - 'Resources and the future'</b> <i>Janez Potočnik, Co-Chair of the International Resource Panel and former EU Commissioner for the Environment</i> The world has changed. For the first time in a human history we face the emergence of a single, tightly coupled human social-ecological system of planetary scope. We are more interconnected and interdependent than ever and our individual and collective responsibility has enormously increased. Circular economy is a way how to make the necessary transition of our unsustainable economy to the one compliant with the Sustainable Development Goals and buildings and cities of the future are an essential part of this unavoidable transition. A lot can be done on the cities level. Many circular economy related problems and opportunities are concentrated in the cities and they also have high autonomy of the governance.
	<b>Closing of the day</b>
17:20	Drinks & fun <i>Join us during a networking drink to celebrate the achievements of BAMB and have some circular fun</i>
18:30	End

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### Sharing Tools & Results - INDUSTRY DAY

#### Welcome to a collaborative day for a Circular Building Sector!

Opening keynote speaker:

**James Drinkwater**

Director of World GBC's Europe Regional Network



James Drinkwater leads the work of WorldGBC's Europe Regional Network; a community of over 20 national Green Building Councils, 8 Regional Partners, and over 4,500 members from across the buildings sector. As well as coordinating the network's projects and advocacy work, he advises on EU and global green building projects such as UNEP's 10 Year Framework Programme, UNFCCC Technical Expert Meetings and the EU's Resource Efficient Buildings Project.

Closing keynote speaker:

**Janez Potočnik**

Co-chair of the International Resource Panel



Dr. Janez Potočnik graduated from the Faculty of Economics at the University of Ljubljana, Slovenia (Ph.D. degree 1993). He has extensive experience in the realm of environment, economics and European Affairs and has held many important positions. Notably, he served as the EU Commissioner for Environment from 2010-2014. After his mandate, he was appointed as a Co-Chair of UN Environment International Resource Panel. In the same month he was also appointed as a Chairman of The Forum for the Future of Agriculture and RISE Foundation. Since April 2016 he is also Partner in SYSTEMIQ.

#### Choose your 2 parallel sessions!

##### 1. Making the Right Decision for Circularity

(Auditorium)

Find out how using the Circular Building Assessment methodology and prototype platform will help define and select optimal product, system and building level solutions, which take into consideration environmental, economic and social impacts. Learn more about the development of the CBA prototype and where we're going to next to even further enhance the user experience and make circular choices simple.

Gilli Hobbs, BRE  
Kiru Balson, BRE  
Jan Boström, SundaHus  
Mark Edwards, Environmental Assessment Manager - Resources & Construction, Heathrow Airport  
Moderated by Peter Woodward

##### 2. How can we collaborate to empower the development of materials passports?

(Corylus, 4th floor)

Transitioning to a circular economy in the building sector will require all stakeholder involved in developing materials passports. This session will discuss the future role of BAMB results as well as other existing and emerging platforms/initiatives supporting circular economy. How can we together speed up the development and at a larger scale? Join us to discuss the key principles, challenges and possibilities and to together develop the future path.

Lisa Elfström, SundaHus  
Lars Luscuere, EPEA  
With the participation of Madaster and Circularise

##### 3. Reversible building design tools, opening the door to circular construction

(Libellula/Salamandra, 2nd floor)

Find out more about the potential of reversible building design tools to support design decisions, facilitate deconstruction and eliminate waste. Gain an in-depth understanding of the tools and their potential exploitation as design guidelines, and explore indicators of circularity/reversibility for design solutions and existing buildings.

Elma Durmisevic, University of Twente and 4D Architects

##### 4. Turning BAMB solutions into value for your business

(Nympha/Ophrys, 4th floor)

Are you an industrial stakeholder or a building portfolio owner? Are you curious about how the BAMB results would enhance value to your business? Or do you like to know how BAMB solutions can be scaled up in the market? Join this session and explore one of the four BAMB business cases of your choice.

Martijn Peters, IBM  
Ke Wang, VITO  
Anse Smeets, VITO

##### 5. Policy Recommendations – supporting the sector through policy in order to make circularity business as usual (Martes/Myotis, 5th floor)

What role do policies play to support a circular built environment? Join frontrunners and change makers to further enhance a selection of BAMB's policy recommendations, and roll up your sleeves with us to identify the road to implementation at different policy levels.

Wim Debacker, VITO

Caroline Henrotay, BAMB Project Coordinator, Brussels Environment

Camilla Sjögren, Ronneby Municipality

Molly Steinlage, BAMB Project Coordinator, Brussels Environment

Mervyn Jones, Rijkswaterstaat  
Matti Kuitinen, Ministry of Environment of Finland  
Josefina Lindblom, DG Environment  
Jackie Sharp, BRE  
Philippe Van de Velde, Public Waste Agency of Flanders OVAM

##### 6. Learning by doing – circular architecture tested at real scale

(Terra/Aqua, 1st floor)

Successfully tested circular building design brings new perspective to the sector. This session will focus on 4 pilot experiences and processes: a transformable wooden building and training unit (BRIC, Brussels), a circular refurbishment of a historic concrete framed building for multiple uses (CRL, Brussels), a transformable steel-framed building module with exchangeable components (GTBL, Heerlen), and an interactive travelling exhibition showcasing material passports and circular materials (REMs). Join us to discuss key learnings, challenges, and opportunities.

Teodora Capelle, Brussels Environment  
Stijn Brancart, VUB (CRL pilot, Brussels)  
Jean Garcin, Karbon architecture (BRIC pilot, Brussels)  
Ernst-Jan Mul, EPEA (REM pilot, Netherlands)  
Paul Penners, ODS (GTB Lab pilot, Heerlen)

