THE WASTE ZONE at FutureBuild 2019

Curated by Duncan Baker-Brown Senior Lecturer University of Brighton, Co-Founder BBM Sustainable Design

INTRODUCTION THE PROGRAMME

The Waste Zone will return for the third time at FutureBuild in 2019. It has been curated once again by architect, academic, and author, Duncan Baker-Brown. This year’s event will include an exhibition showing how waste can be a valuable resource for the construction industry. Another new feature this year is *The Circular Economy Hub* where invited suppliers will get the opportunity to show their innovative closed loop products. As before, there will be the central seminar space where over 40 speakers will be invited to discuss the challenges and opportunities the Circular Economy presents.

Duncan says *“In the last ten years the construction industry has nearly halved the amount of construction and demolition waste it creates, and it is also exceeding EU waste reduction targets. This is great news. In 2017 London Waste and Recycling Board (LWARB) identified that by 2036 a Circular Economy could provide London with net benefits of up to £7bn per annum, with up to 12,000 new jobs. I feel that the construction industry is very well placed to take advantage of this, and with over with over 50% of the World’s population now residing in cities, they are now the main driver for economic growth and have the potential to power a successful Circular Economy. So I have invited as many designers, consultants, constructors, thought leaders, and suppliers as I can think of to share their knowledge and hopefully inspire visitors to Futurebuild 2019 take advantage of the financial and employment benefits a Circular Economy will provide.”*



Image: 3D visualisation of The Waste Zone at FutureBuild 2019.

DAY 1 Tuesday March 5th 2019: Waste Zone Content

FINAL DRAFT 4th March 2019

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| Time of Session | Chair/ Speaker/ Speakers | Format of session/ Themes |
| **Session No.1**  10.30-11.40 | **Introduction** to The Waste Zone by **Duncan Baker-Brown** University of Brighton 5mins  **Cat Fletcher (Chair & Speaker)** Co-Founder of FREEGLE + Brighton & Hove City Resource Manager  **Timothee Duret** Technology & Organics Director VEOLIA  **Ian Humphreys,** Director of OperationsInternational Synergies  **Dr. David Greenfield** MD SOENECS & Circular Economy Club Europe External Affairs  **Dr. Adam Read** External Affairs Director SUEZ | DISCUSSION/ DEBATE  ***The problem with waste? …..There’s no such thing as waste!*** Five expert speakers from the world of waste/ resource management. Each speaker will make a 10minute presentation. This is followed by a Q&A Session |
| **Session No.2**  12.00-13.10 | **Duncan Baker-Brown (Chair)** University of Brighton  **Dr. Jo Williams** Director of Circular Cities Research Hub, Associate Professor in Sustainable Urbanism, UCL  **Maja Johannessen** Research Analyst The Ellen MacArthur Foundation **Eveline Johkoff** Strategic Advisor for Sustainability & the Circular Economy, Municipality of Amsterdam **Cécile van Oppen** Consultant Copper8 **Davide Stronati** Global Sustainability Leader Mott MacDonald **Prof.Dr.ir. Arjan van Timmeren** Chair, Environmental Technology & Design, Dept of Urbanism, TU Delft | DISCUSSION/ DEBATE  ***What is a Circular City?*** Six expert speakers discuss the huge potentials and challenges presented by this concept. Each speaker will make a 7 minute presentation. This is followed by a Q&A Session. |
| **Session No.3**  13.30 -14.40 | **Dr. David Greenfield (Chair)** MD SOENECS & Circular Economy Club Europe External Affairs  **Atta Ajayebi** University of Exeter Business School  **Petran van Heel** ABN AMBRO Sector Advisory & Sustainability Gilli Hobbs Director Building Performance Group BRE **Nick Ribbons** Sector Manager Construction Zero Waste Scotland  **Anna Surgenor** Senior Sustainability Advisor UKGBC | DISCUSSION/ DEBATE  ***Making a Circular City?*** Five expert speakers discuss some of the processes and systems that support a Circular Economy. Each speaker will make a 7 minute presentation. This is followed by a Q&A Session |
| **Session No.4**  15.00-16.10 | **Duncan Baker-Brown (Chair)** University of Brighton & BBM  **Pablo van den Bosch** Madaster Foundation  **Dan Epstein** Director of Sustainability Useful Projects  **Casper Østergaard Christensen** Architect 3XN / GXN  **Dr. Michaël Ghyoot** Rotor DC **Niklas Nolsøe** Project Architect Lendager Group **Gerard Roemers** Senior Sustainability Consultant Metabolic | DISCUSSION/ DEBATE  ***Systems & Case Studies.*** Six expert speakers discuss a variety of exemplar case studies that test the real potentials of a Circular City. Each speaker will make a 7 minute presentation. This is followed by a Q&A Session. |
| **Session No.5**  16.30-17.40 | **Rob Holdway (Chair)** Brunel University & Giraffe Innovation  **Miguel Reynolds** CEO of Corkbrick Europe **Jasper Brommet** Founder StoneCycling **Dr. Zoe Laughlin** Co-Founder Institute of Making UCL **Christian van Maaren** Co-Founder Excess Materials Exchange **Ehab Sayed** Founder & Director of Innovation BIOHM **Kresse Wesling MBE** Founder Elvis & Kresse | DISCUSSION/ DEBATE  ***Future material resources.*** Six expert speakers discuss low carbon material options for the construction industry. Each speaker will make a 7 minute presentation. This is followed by a Q&A Session. |

DAY 1 Ends

DAY 2 Wednesday March 6th 2019: Waste Zone Content

FINAL DRAFT 4th March 2019

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| Time of Session | Chair/ Speaker/ Speakers | Themes/ Format of session |
| **Session No.1**  10.30-11.40 | **Introduction** to The Waste Zone by **Duncan Baker-Brown** University of Brighton 5mins  **Cat Fletcher (Chair)** Co-Founder of FREEGLE + Brighton & Hove City Resource Manager  **Marthijn Pool** Founding Partner Space and Matter Architects **Niklas Nolsøe** Project Architect Lendager Group  **Marieke Rietbergen** Founder Design Innovation Group **Ehab Sayed** Founder & Director of Innovation BIOHM **Jeremy Sumeray** Senior Manager, Sustainability, Armstrong World Industries Ltd.  **Prof.** **Andre Viljoen** Deputy Head, Research & Enterprise School of Architecture & Design University of Brighton | DISCUSSION/ DEBATE  ***Reconsidering waste. When to recycle, re-use, avoid or grow?*** Six expert speakers discuss exemplar projects from the worlds of architecture, design, and the Circular Economy supply chain. Each speaker will make a 7 minute presentation. |
| **Session No.2**  12.00-13.10 | **Duncan Baker-Brown (Chair)** University of Brighton  **Pablo van den Bosch** Madaster Foundation  **Richard Boyd** Senior Engineer, Advanced Technology + Research, ARUP  **Petran van Heel** ABN AMBRO Sector Advisory & Sustainability  **Bridget Jackson** Chief Sustainability Officer, PwC  **Aleksandra** **Smith-Kozlowska,** Senior Consultant - Upstream Sustainability Services, JLL  **Cécile van Oppen** Consultant Copper8 | DISCUSSION/ DEBATE  ***Circular Cities: the potential for employment and wealth while drastically reducing resource consumption.*** Six expert speakers discussed exemplar projects from a more corporate perspective. Each speaker will make a 7 minute presentation. |
| **Session No.3**  13.30 -14.40 | **Nick Gant (Chair & Speaker)** Founder Community 21, University of Brighton    **Dr. David Greenfield** MD SOENECS & Circular Economy Club Europe External Affairs  **Dr Jonathan Mitchell**Project Engineer Nextek  **Tom Meades** Co-Founder Gomi Design  **Ian Morgan** Business DeDirector, Block London Ltd **Mark Miodownik** Prof. Materials & Society Director Institute of Making UCL | DISCUSSION/ DEBATE  ***The miracle of plastic.*** Six expert speakers discuss why plastic is such an amazing material. Each speaker will make a 7 minute presentation. |
| **Session No.4**  15.00-16.10 | **Keynote Presentation** **by** **Prof. Dr. Michael Braungart**, professor at the Leuphana University Lüneburg and founder of EPEA (Environmental Protection Encouragement Agency) & co-author of the significant book *‘Cradle to Cradle Remaking the Way We Make Things’.* 45 minute talk plus Q&A session hosted by Duncan. | KEYNOTE ADDRESS  Professor Braungart will deliver a keynote address considering the strategies that need to be put in place to support a truly circular economy. |
| **Session No.5**  16.30-17.40 | Gilli Hobbs (Chair) Director Building Performance Group BREDoug Simpson Principal Policy and Programme Officer, GLA Dr. Teresa Domenech Course Director Institute for Sustainable Resources UCL **Simon Sturgis** RIBA Founder Targeting Zero LLP  **Alex Wandl** Project Leader REPAiR Project TU Delft Faculty of Architecture | ***Making a Circular City? (2)*** Four expert speakers discuss some of the processes and systems that support a Circular Economy.  Each speaker will make a 10minute presentation. This is followed by a Q&A Session |

DAY 2 Ends

DAY 3 Thursday March 7th 2019: Waste Zone Content

FINAL DRAFT 4th March 2019

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| Time of Session | Chair/ Speaker/ Speakers | Themes/ Format of session |
| **Session No.1**  10.30-11.40 | **Introduction** to The Waste Zone by **Duncan Baker-Brown** University of Brighton 5mins  **Nick Gant (Chair)** Founder Community 21, University of Brighton  **Léa Brachet** sustainable design engineer, ARTELIA  **Dave Cheshire** Regional Director Sustainability, Aecom  **Phil Guthrie** Collaboration Hub Project Officer LWARB  **Christian van Maaren** Co-Founder Excess Materials Exchange  **Nick Ribbons** Sector Manager Construction Zero Waste Scotland | DISCUSSION/ DEBATE  ***Making a Circular City? (3)*** Five expert speakers discuss some of the processes and systems that support a Circular Economy  Each speaker will make a 10minute presentation. This is followed by a Q&A Session |
| **Session No.2**  12.00-13.10 | **Rob Holdway (Chair)** Brunel University & Giraffe Innovation  **Ann Beavis** Head of Sustainability, Premier Sustain  **Pablo van den Bosch** Madaster Foundation  **Nick Gant** Founder Community 21, University of Brighton  **Libby Sandbrook,** Head of Circular Economy, BITC  **Purva Tavri** B.Sc, M.Sc, Kingston University | DISCUSSION/ DEBATE  ***Social circularity.*** Five expert speakers discuss some potential social benefits of a circular economy. Each speaker will make a 10minute presentation. This is followed by a Q&A Session |
| **Session No.3** 13.30-14.30 | **Emma McKenna (Chair)** Business Advisor LWARB  **Ehab Sayed,** Biohm  **Angelique Belle**, ECOR  **Ann Beavis**, Premier Sustain  **Arthur Kay**, Skyroom  **Jason Harries,** Adaptavate | DISCUSSION/ DEBATE  ***Circular Innovation in London*** Join five start-ups from LWARB’s Advance London Advisory Programme to discuss how they’re working to drive circular economy innovation in the built environment sector. |
| **Session No.4**  14.50-15.50 | **Duncan Baker-Brown** (Chair) University of Brighton  **Dr. Richard Bonser** Dept. of Design (Biomimicry) Brunel University  **Matthias Heinrich** Environmental Design Engineer & Sustainable Design & Building TU Munich  **Rob Holdway** Brunel University & Giraffe Innovation  **Gerard Roemers** Senior Sustainability Consultant Metabolic  **Becci Taylor** Associate Director Arup  **Zach Wilcox** Senior Consultant City Economics Arup | DISCUSSION/ DEBATE  ***Circular Cities: the potential for employment and wealth while drastically reducing resource consumption.*** Six expert speakers discussed exemplar projects from a more corporate perspective. Each speaker will make a 7 minute presentation. |

DAY 3 Ends