



# Webinar: Embodied carbon building design tools

Wednesday 29<sup>th</sup> April, 13:00-14:30

@asbp\_uk

# Agenda

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**13:00 Welcome from the webinar chair** - Jane Anderson, ASBP board member and Director, ConstructionLCA

**13:10 Tools showcase (12 mins presentation followed by 3 mins Q&A)**

**ECCOlab** - Gareth Selby, Project Director, Rapiere Software Limited and Senior Consultant, Architype

**One Click LCA Carbon Designer** - Panu Pasanen, Chief Executive Officer, Bionova

**AECB PHribbon** - Tim Martel, Chartered Architectural Technologist and Passivhaus Designer, Optimal Retrofit

**H\B:ERT** – Jake Attwood-Harris, Sustainable Design Adviser, Hawkins\Brown

**14:10 Discussion/Q&A**

**14:30 Close**

## Who we are

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**Not-for-profit, mission led,  
membership organisation**



**“To accelerate the transformation to a healthy, low carbon built environment by championing the use of demonstrably sustainable building products”**

# What we do

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We organise events, participate in research projects, advocate product standards and inform policy across our three core themes:

## Health and well-being

Natural materials  
Indoor air quality  
Source control,  
VOCs, off-gassing  
Moisture control

## Resource efficiency

Circular economy  
Design for  
deconstruction  
Material re-use

## Product sustainability

Whole life carbon  
Robust product  
standards/EPDs  
Decision making  
tools/product  
databases

# Our members and partners



Over 70 members and partners from across the sector

Architects

Specifiers

Contractors

Product manufacturers

Housebuilders

Trade bodies

Academia and more

# Upcoming events of interest

[www.asbp.org.uk/upcomingevents](http://www.asbp.org.uk/upcomingevents)

## Life Cycle Analysis (LCA) tools and datasets

14<sup>th</sup> May , 13:00-14:30

With LCA tools – eTool, One Click LCA, BRE on the IMPACT Database



## Introduction to Environmental Product Declarations (EPD)

28<sup>th</sup> May , 13:00-14:30

With Christian Donath (Eco Platform), Jane Anderson, Pat Hermon (BRE)



## Get involved with the ASBP

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**Join as a member** – Standard (from £150) or Patron (from £1,000 per year)

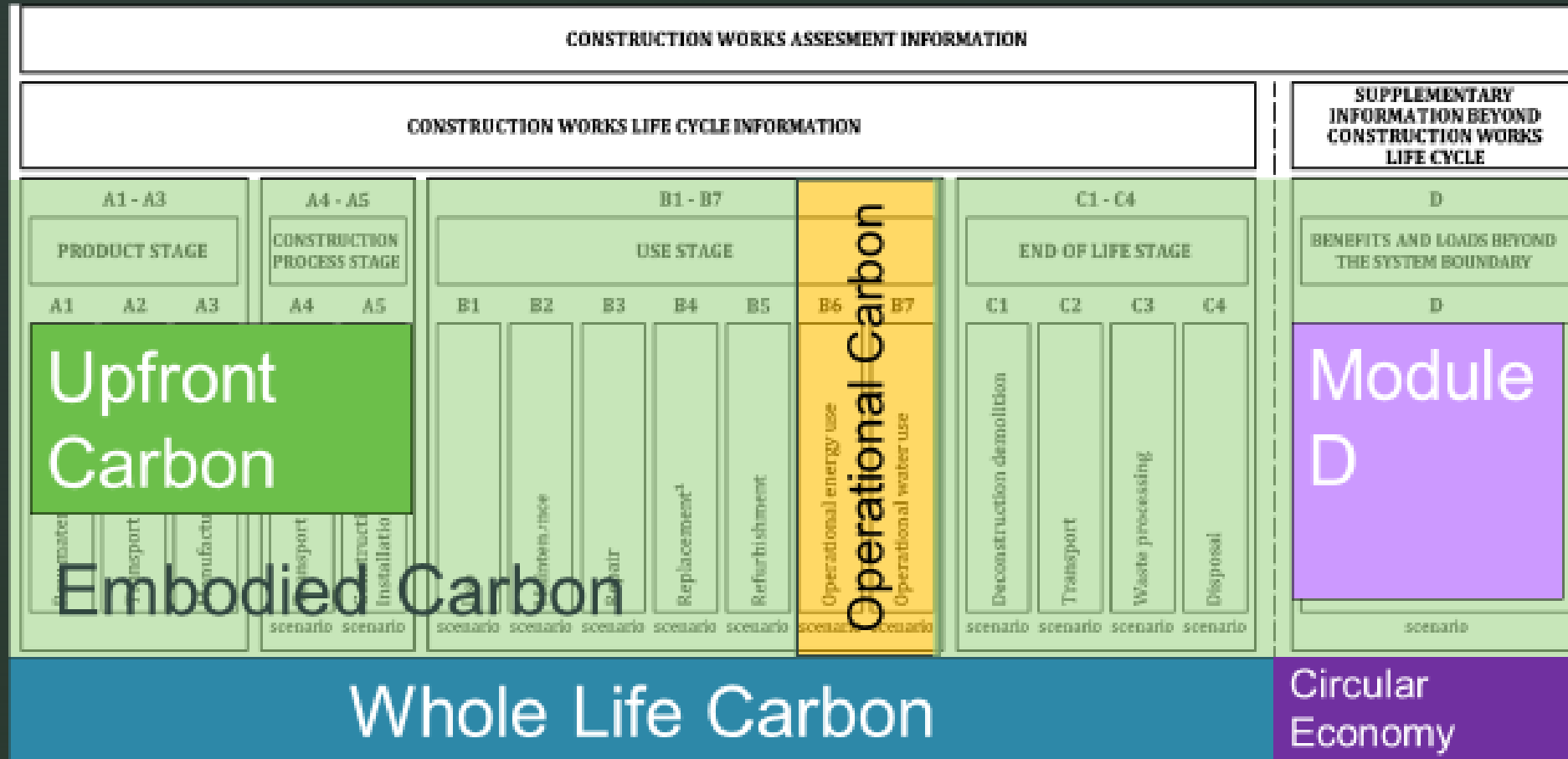
**Sign up to our mailing list** – <http://bit.ly/ASBPnewsletter>

**Become a sponsor** – Support the ASBP Awards or Healthy Buildings 2021

**Join one of our specialist groups** – Natural Fibre Insulation, Plastics in Construction, Paints & Finishes (coming soon!)

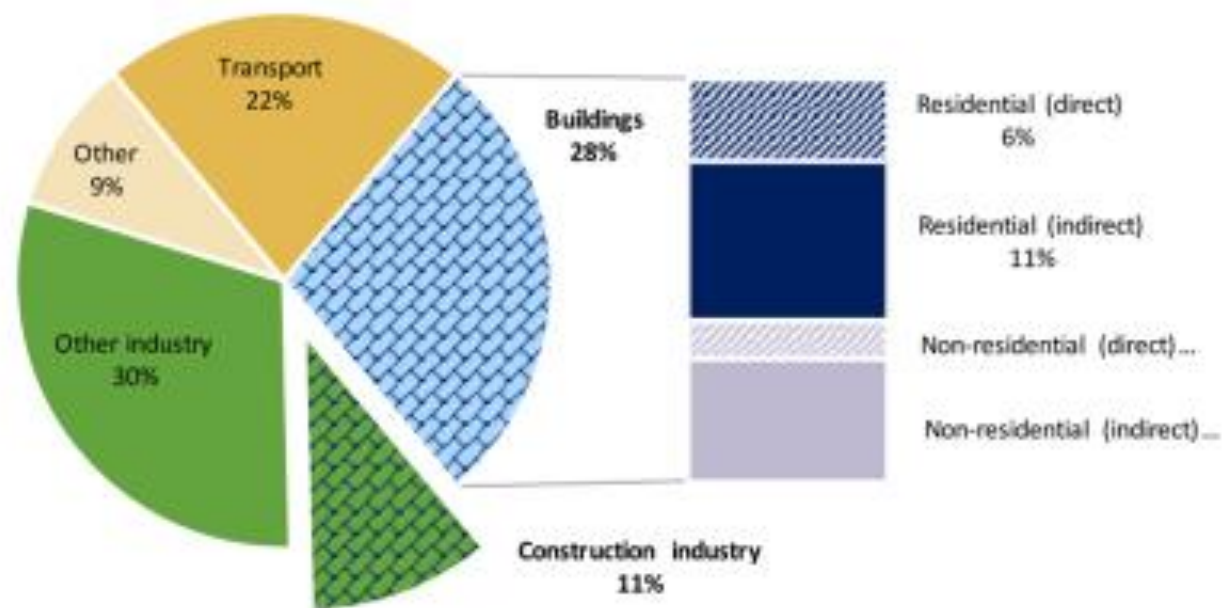
**Register for one of our upcoming webinars** – Life Cycle Analysis, Environmental Product Declarations, EPD for manufacturers, Biogenic Carbon, Plastics in Construction, Circular Economy Week, and more!

# What is embodied carbon?



# Embodied Carbon is 11% of global CO<sub>2</sub>

FIGURE 7 Share of global energy-related CO<sub>2</sub> emissions by sector, 2015



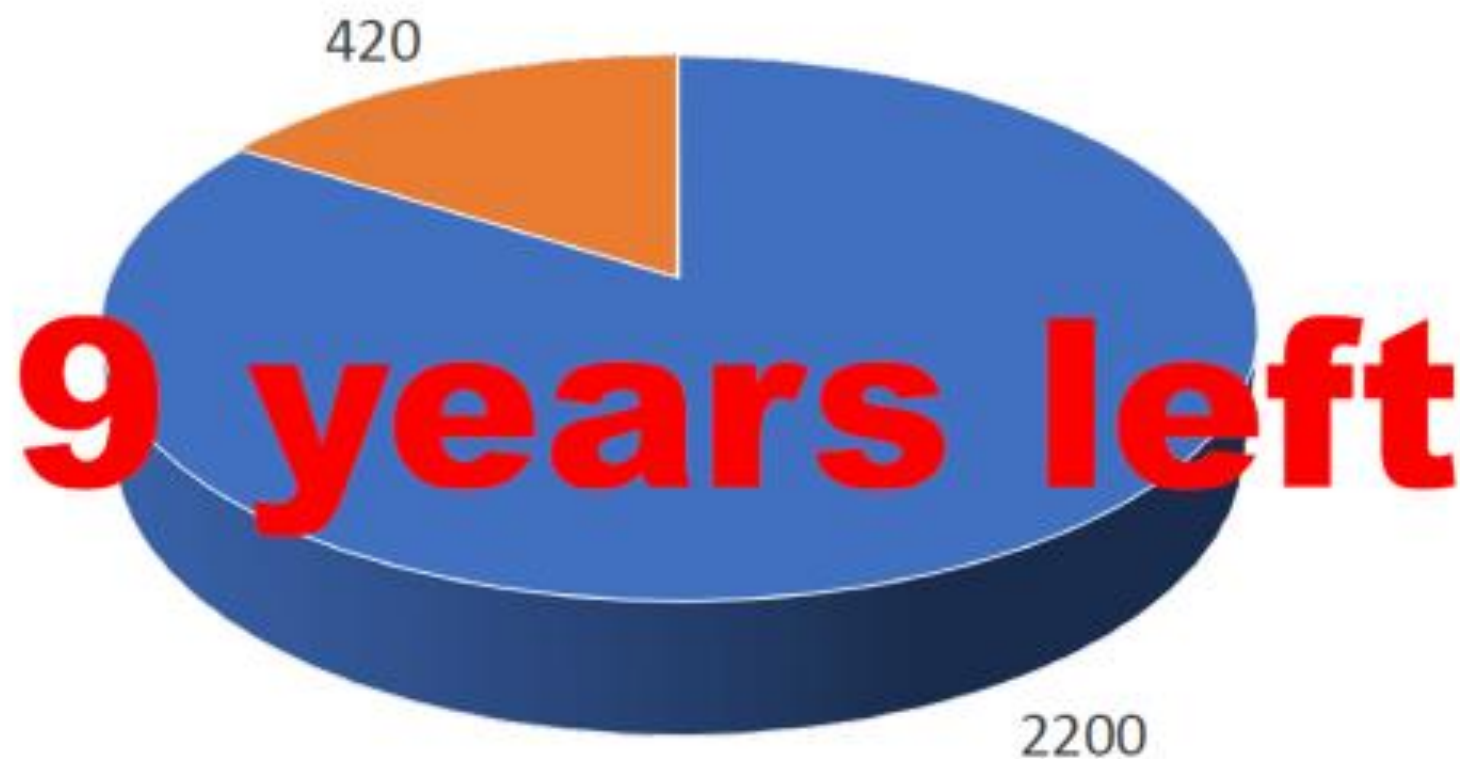
Note: The "construction industry" is an estimate of the portion of the overall industry sector that applies to the manufacturing of materials for building construction, such as steel, cement and glass.

Source: derived with IEA (2017), World Energy Statistics and Balances, IEA/OECD, Paris, [www.iea.org/statistics](http://www.iea.org/statistics)

Source: UN Environment, and International Energy Agency. 2017. "Towards a Zero-Emission, Efficient, and Resilient Buildings and Construction Sector: Global Status Report 2017."

# Spent and remaining carbon budget to 1.5C in 2018, GtCO<sub>2</sub>

*measured in surface air T, 66% probability to 1.5°C*



■ Spent ■ Remaining







Jane Anderson

Gallery View

Recording...

# ASBP



Mute

Start Video

Participants 2

Q&A

Polls

Chat

Share Screen

More

End Meeting

# Contact us

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