Speaker Slides

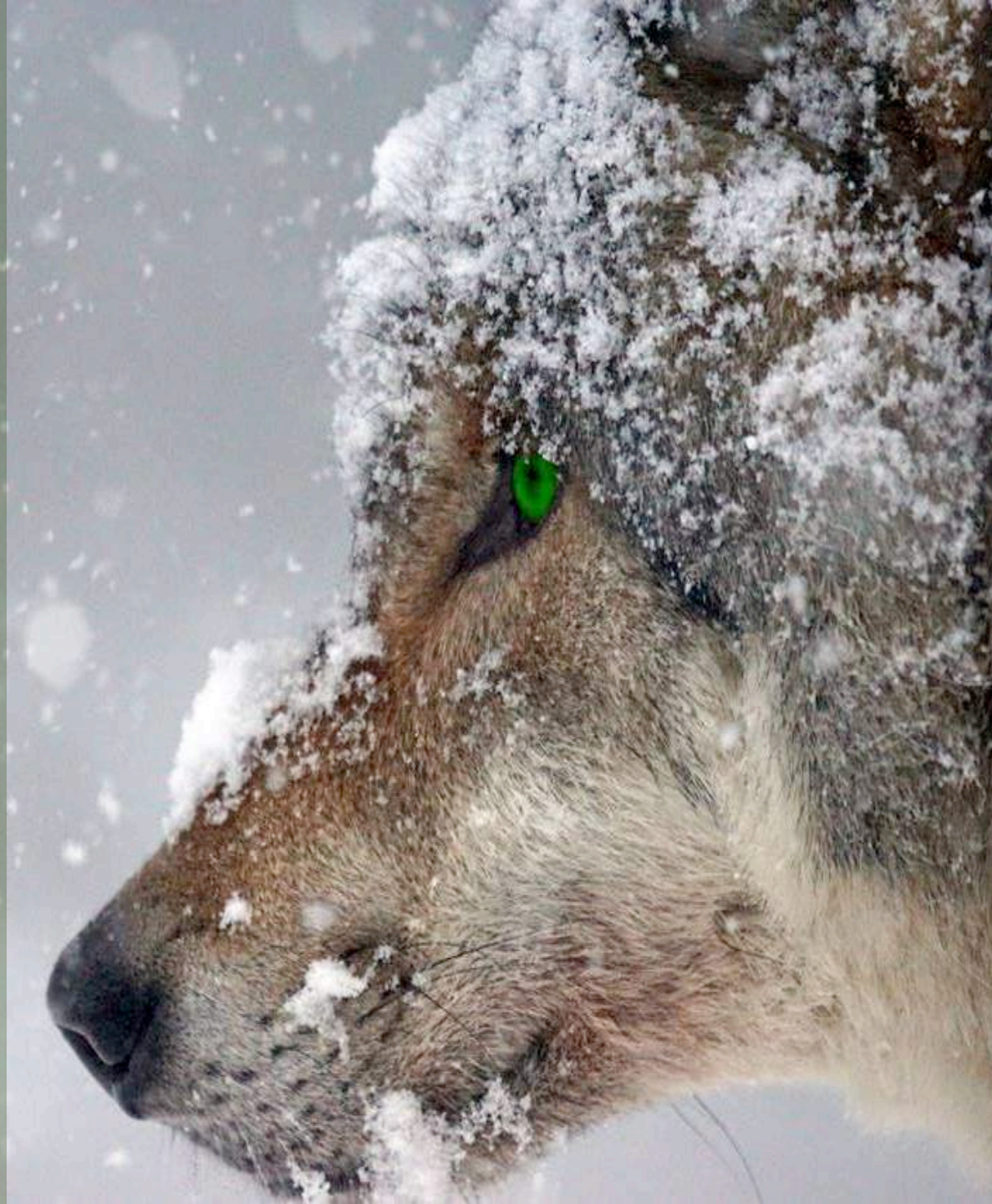
Martin Brown

Imagine Better: Welcome to the New Normal

Sustainability:

are you just managing the deer,

or are you enabling a regenerative future



Imagine Better

DO WE REALLY WANT ONLY A LESS BAD VERSION OF OUR BUILT ENVIRONMENT?

Martin Brown
@Fairsnape

FUTURESTORATIVE

WORKING TOWARDS A NEW SUSTAINABILITY

MARTIN BROWN @fairsnape

DO NOTHING TODAY
THAT COMPROMISES
TOMORROWS GENERATION

Brundtland 1987

DO NOTHING TODAY

THAT COMPROMISES TOMORROWS GENERATION

Brundtland 1987

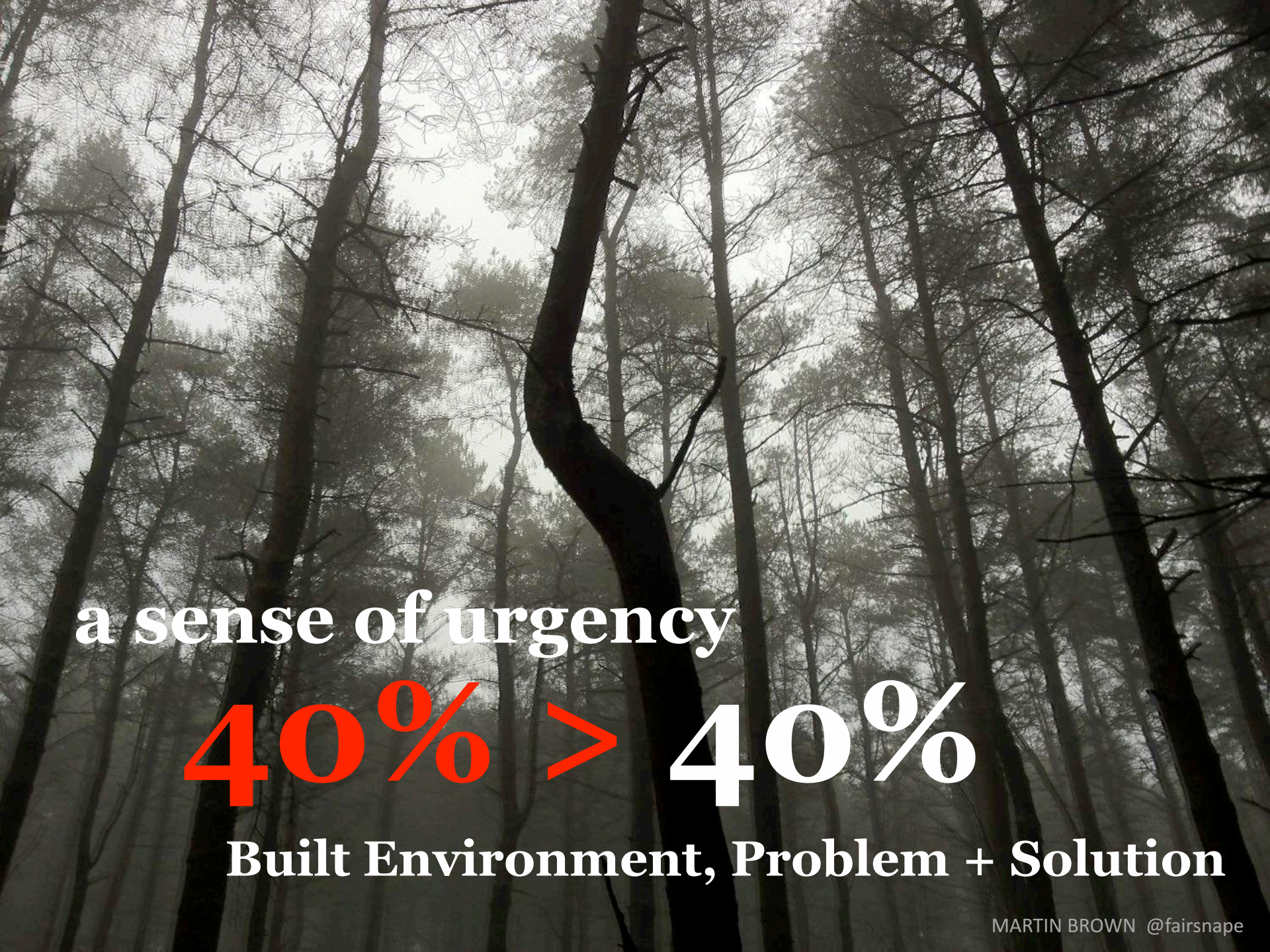
‘SOLASTALAGIA’ - DISTRESS AND ILLNESS FROM ENVIRONMENTAL CHANGE

pexels.com

@Fairsnape
#FutuREstorative


a sense of urgency
2.0 > 1.5
Paris Agreement 2015
MARTIN BROWN @fairsnape


a sense of urgency
410 > 350
ppm all time high, April 2017
MARTIN BROWN @fairsnape


a sense of urgency
40% > 40%
Built Environment, Problem + Solution
MARTIN BROWN @fairsnape

A sense of urgency

There are no non-radical approaches left before us in addressing climate change

Namoi Klein, This Changes Everything (2015)

Reducing built environment carbon emissions by 50% by 2025 is now out of reach with current practice.

UK Green Construction Board (2015)

We no longer have luxury of just being less bad.

Martin Brown Future Restorative 2016

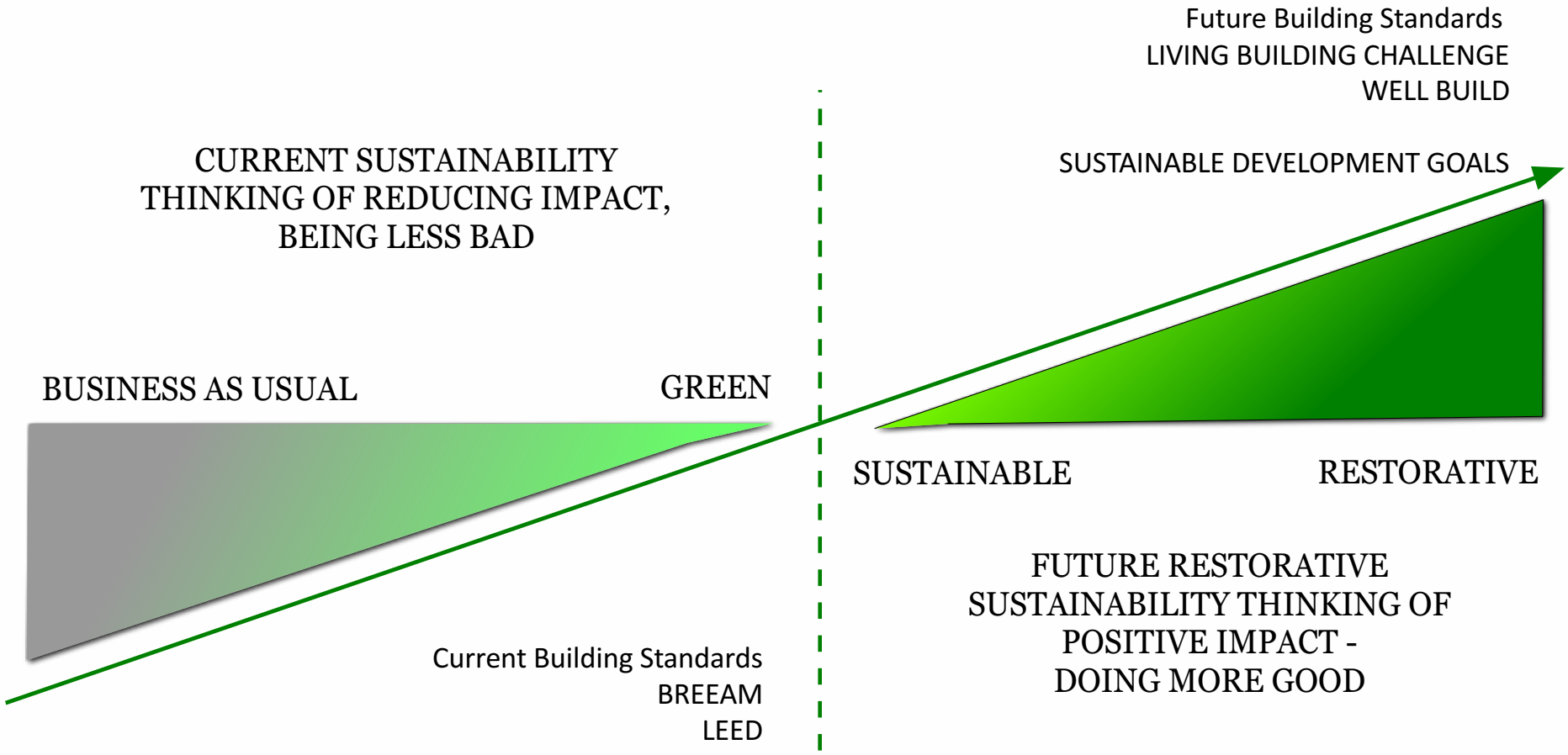
”WE SHOULD N0T USE THE WORD SUSTAINABLE UNTIL …

WE GIVE AS MUCH BACK AS WE TAKE.”

YVON CHOUINARD @PATAGONIA

#FutuREstorative

We no longer have luxury of just being less bad.




a less bad
version of the
built environment we have
a future built environment
that makes the planet a
better place

WELCOME to the ‘New Normal’

“… if your not part of the steamroller, you become part of the road”

Stuart Brand

#imaginebetter

NEW POSITIVE THINKING & GOALS
FOR SUSTAINABLE DEVELOPMENT

EVERY BUILDING SHOULD POSITIVELY CONTRIBUTE TO THE SUSTAINABLE DEVELOPMENT GOALS

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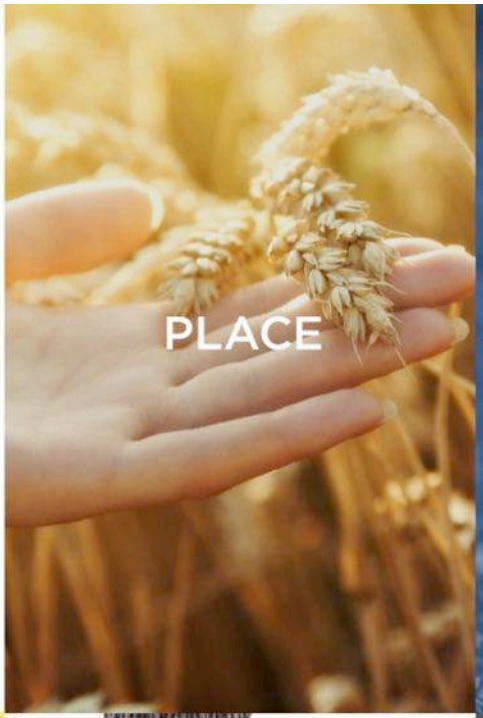
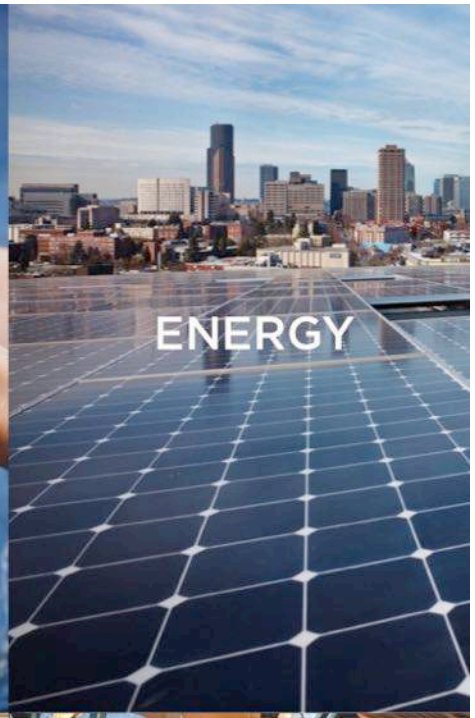
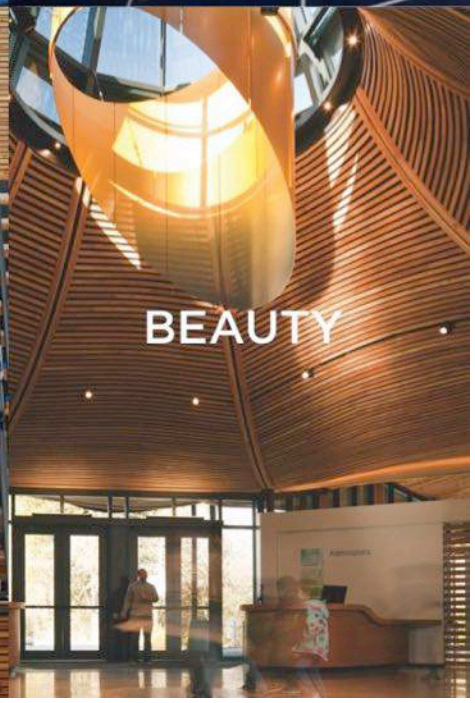
LIVING BUILDING CHALLENGE™







Imagine if every act of construction, every product made the world a better place … socially, culturally, economically and ecologically

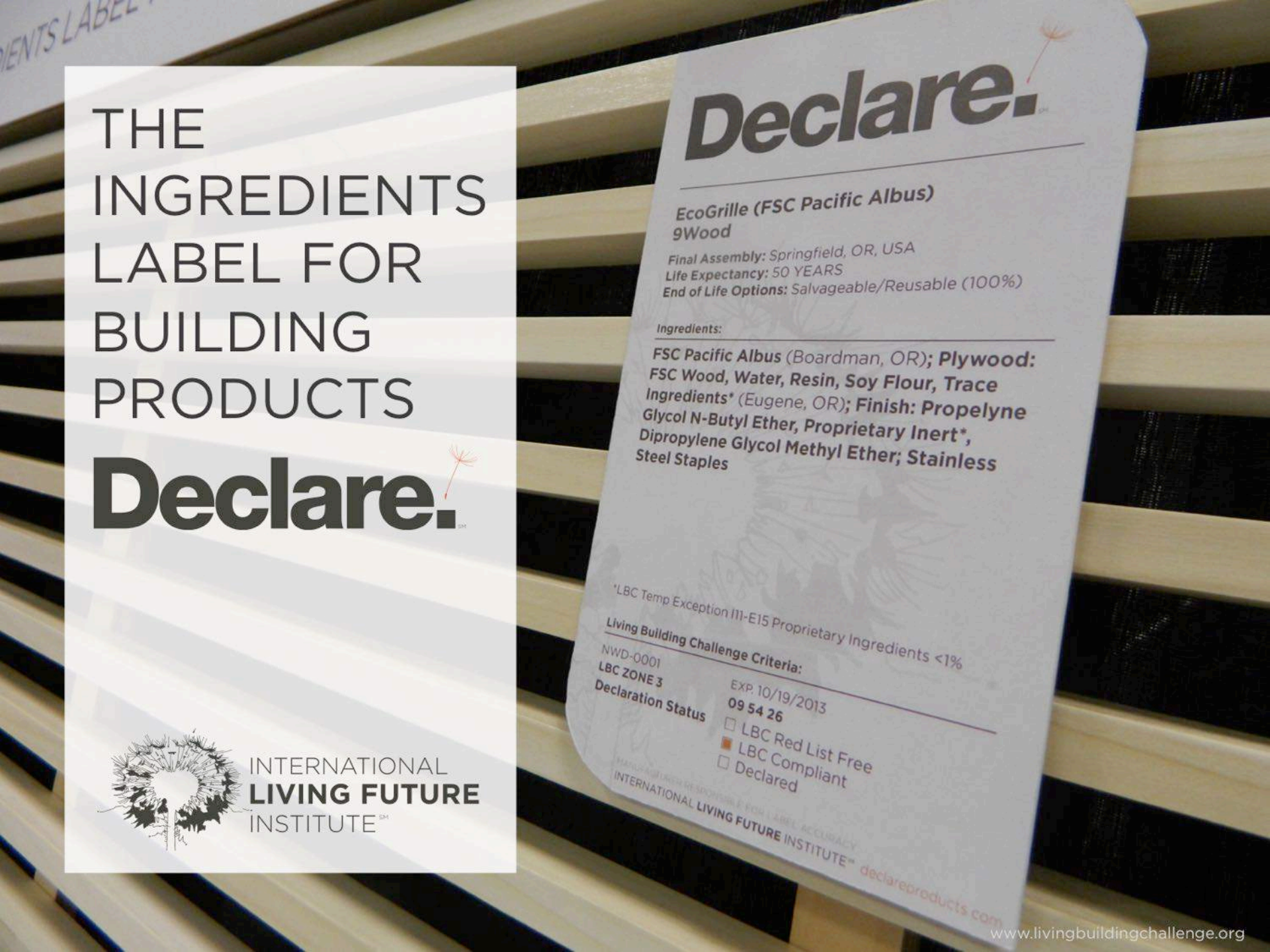
LIVING BUILDING CHALLENGE

#imaginebetter

THE INGREDIENTS LABEL FOR BUILDING PRODUCTS

Declare.

INTERNATIONAL LIVING FUTURE INSTITUTE℠



‘The materials we build with can affect our wellbeing as much as the food we eat, the water we drink and the air we breathe.’

Healthy Buildings Network

#FutuREstorative

What would the label on your product tell me?

#FutuREstorative

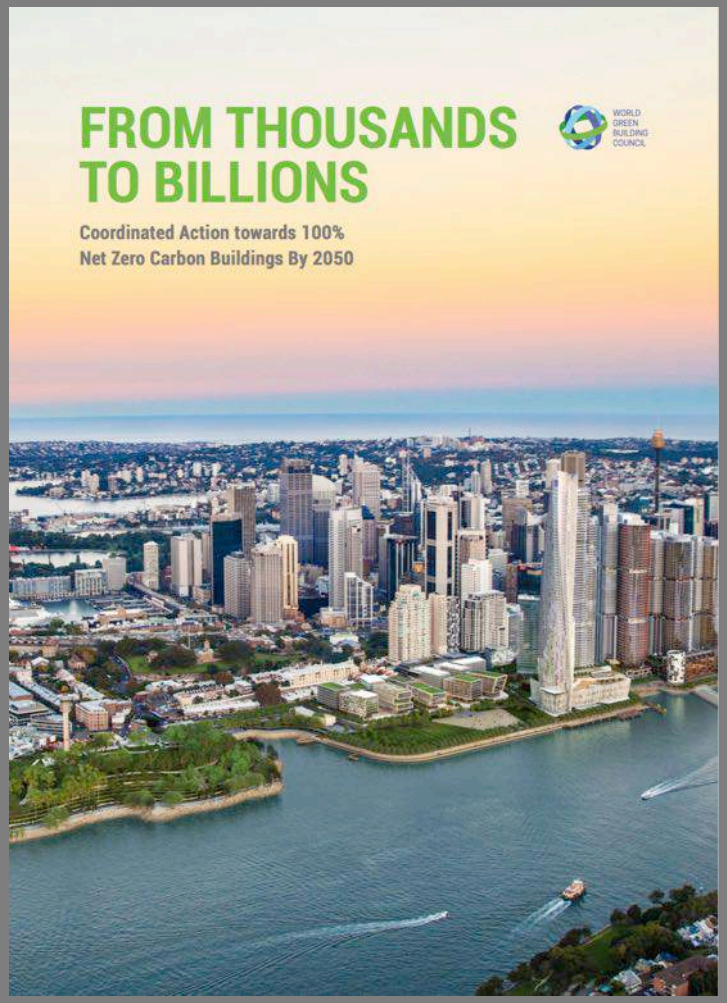
The New Carbon

#reimaginecarbon

To meet the Paris Accord, WorldGBC calls for a dramatic and ambitious transformation towards a completely zero carbon built environment:

- **All new buildings must be net zero carbon from 2030**

- **100% of buildings must be net zero carbon by 2050**



THE NEW LANGUAGE OF CARBON

Too much carbon in the atmosphere is damaging. Instead, it should be retained in durable forms such as plastic and wood or in living organisms. Recycling materials and nurturing the soil ensure that carbon ends up in the right places in the right amounts.

FUGITIVE CARBON

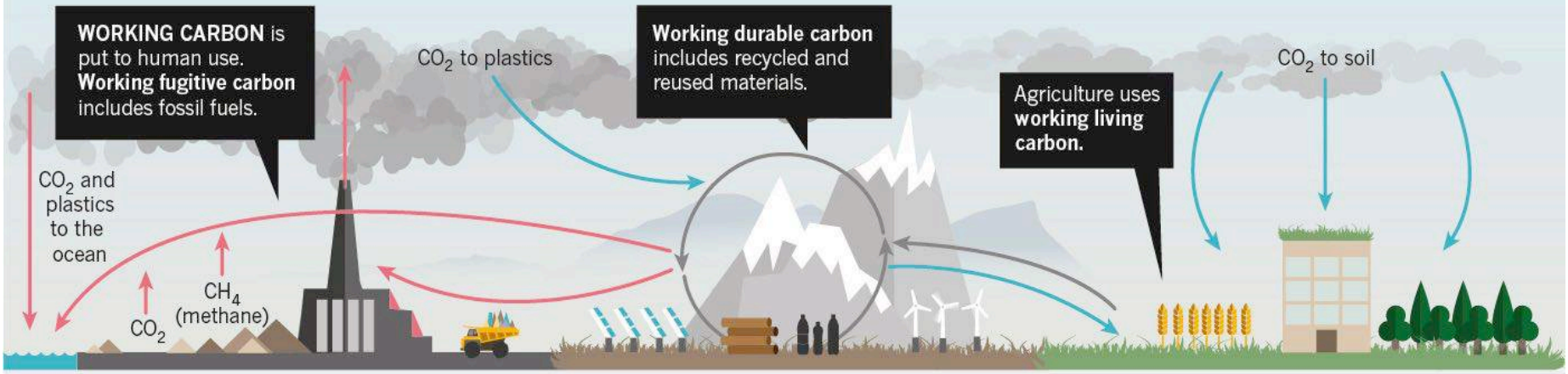
Has ended up somewhere unwanted and can be toxic. It includes carbon dioxide released into the atmosphere by burning fossil fuels, 'waste to energy' plants, methane leaks, deforestation, much industrial agriculture and urban development. Plastic in the ocean is fugitive carbon.

DURABLE CARBON

Locked in stable solids such as coal and limestone, or in recyclable polymers that are used and reused. It ranges from reusable fibre, such as paper and cloth, to building and infrastructure elements that can last for generations and then be reused.

LIVING CARBON

Organic, flowing in biological cycles, providing fresh food, healthy forests and fertile soil. It is something we want to cultivate and grow. Soil includes living carbon in the form of fungi, microbes, humus, legumes and grasses.



MANAGEMENT STRATEGIES

CARBON NEGATIVE

Actions that pollute the land, water and atmosphere with various forms of carbon. For example, releasing methane into the atmosphere or plastic waste into the ocean is carbon negative.

CARBON NEUTRAL

Actions that transform or maintain carbon in durable earthbound forms and cycles for use across generations; or renewable energy such as solar, wind and hydropower that do not release carbon.

CARBON POSITIVE

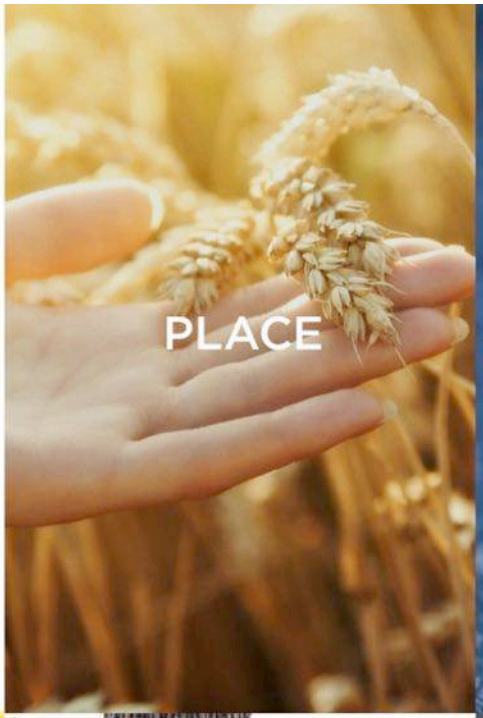
Actions that convert atmospheric carbon to forms that enhance soil nutrition or to durable forms such as polymers and solid aggregates. Also includes the recycling of carbon into soil nutrients from organic materials, food waste, compostable polymers and sewage.

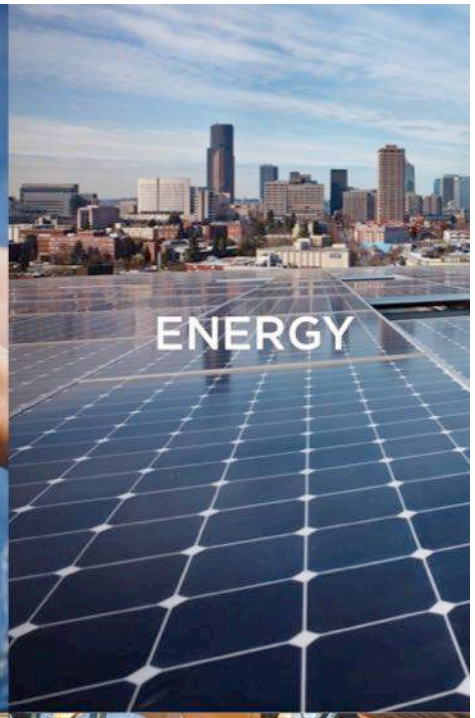

Fugitive Carbon:
Remove Carbon in the Wrong Place
#ReimagineCarbon

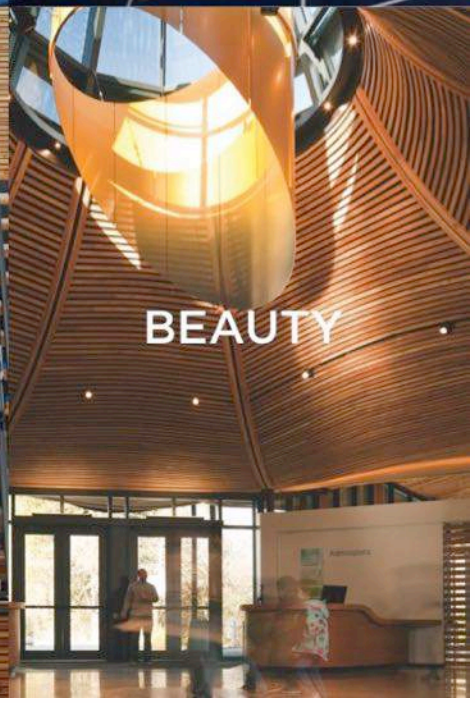

Durable Carbon:
Lock-in Circular Economy
#ReimagineCarbon


Living Carbon:
Restorative Sustainability
#ReimagineCarbon

LIVING BUILDING CHALLENGE™







”We will have the ability in a very short time to create buildings as complex as a plant or a flower, that are biophilic in the true sense of the word.”

Paul Hawken

CORPORATE ENVIRONMENTALIST, ENTREPRENEUR, AUTHOR

#FutuREstorative #review

Once something exists, we can no longer say it is impossible
Denis Hayes, Bullitt Foundation

Bullitt Centre Seattle

Biophilic Design,
Net Positive Water
Energy
Functions as a Tree
Chemical Free
Health and Happiness,
Constructed Wetlands

MARTIN BROWN @fairsnape

Cuerdon Valley Park Visitor Centre

Lancashire UK

LBC Registered (1st UK)

Zero Cement
Zero Harmful Materials
Natural Materials
Locally Grown Timber
Restorative Education
Net Zero Energy
Biophilic Design
Carbon Positive
Climate Hero

Human Spaces: Biophilia Guide to London www.humanspaces.com/

Nature in the City – the Sky's the Limit

One of the best examples of biodiverse living roofs in London can be found at 201 Bishopsgate on the Broadgate campus. This roof supports upwards of 40 plant species, with the elusive black redstart observed singing from its exposed railings.

201 Bishopsgate shows how the special conditions of brownfield sites can be recreated at roof level. These nutrient poor environments create high competition for plant growth, nurturing high floral diversity, which encourages diverse invertebrates and consequently their predators, birds, bats and small mammals. Together, these factors form highly functional ecosystems, which in turn provide a plethora of 'ecosystem services', such as pollination, nutrient cycling and climate control.

http://www.britishland.com/sustainability/blogs/articles/2017/nature-in-city

#ImagineBetter

How will **you**
make the world a
better place?

#specifilondon