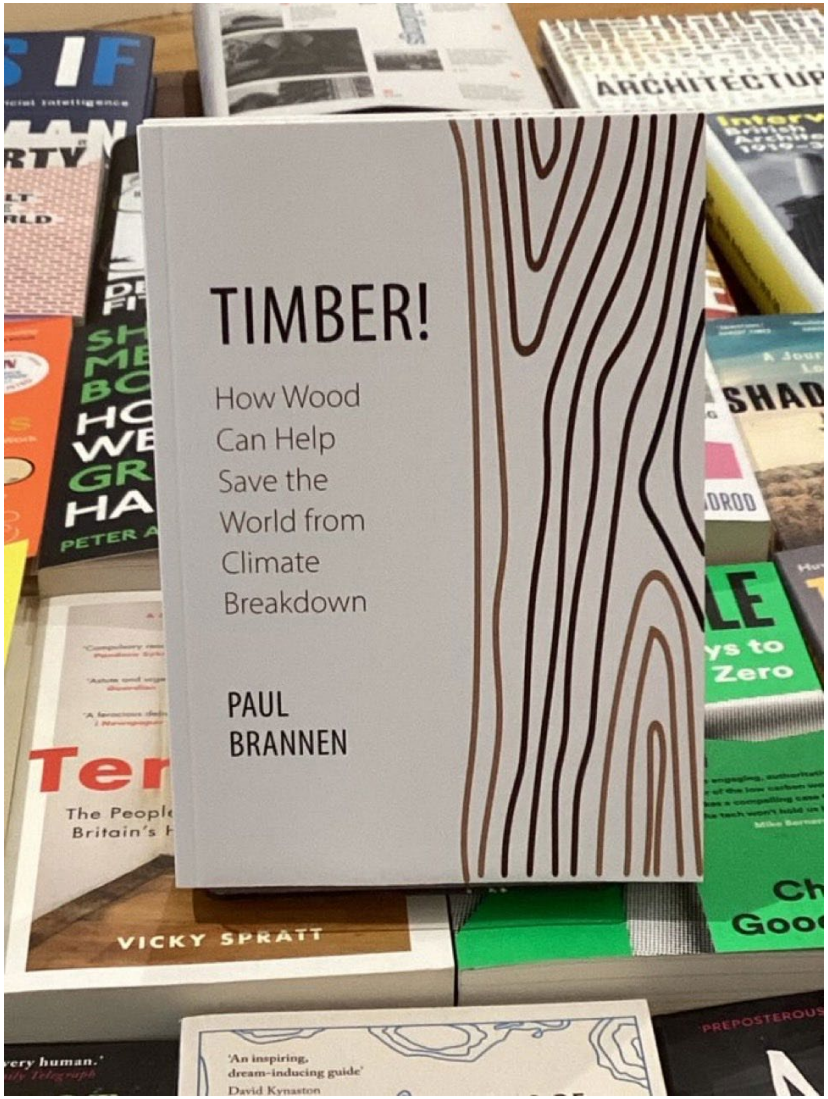
Timber! How wood can help save the world from climate breakdown

Confor UK Policy Conference
QEII Centre, London, Thursday 5th December 2024

Paul Brannen
Director Public Affairs
CEI-Bois & EOS - European woodworking & sawmill industries
& Timber Development UK


TIMBER!
How Wood Can Help Save the World from Climate Breakdown
PAUL BRANNEN
VICKY SPRATT
'An inspiring, dream-inducing guide'
David Kynaston


LAND USE FOR
PEOPLE & CLIMATE


551
552
468
1:22 / 2:06

HERITAGE: NEWCASTLE - PINEAPPLE CAPITAL OF EUROPE? PAGE 12

The Journal

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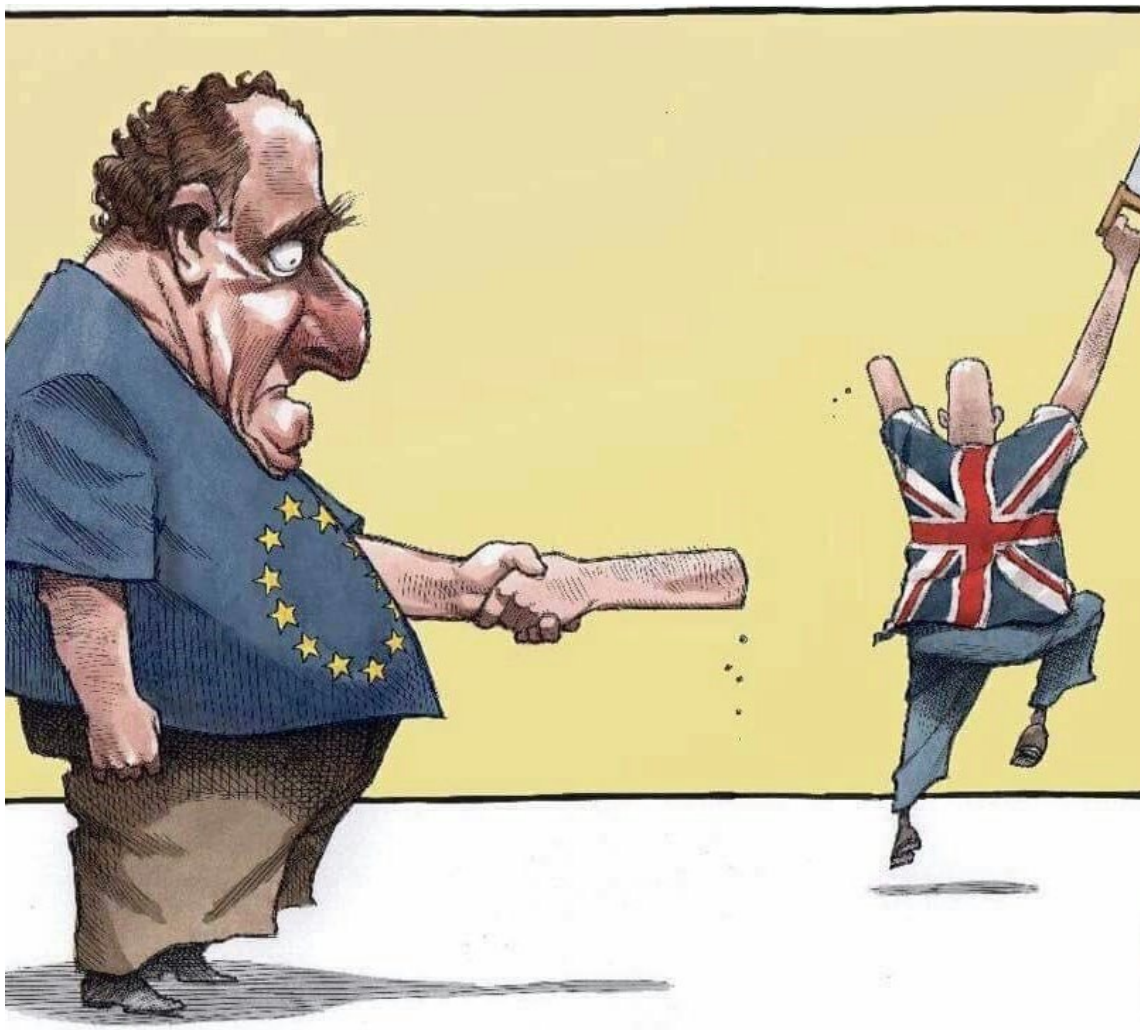
WHY THE NORTH EAST NEEDS TWO NEW FORESTS

PAUL BRANNEN: PAGE 29



CEI-Bois

The European Confederation of Woodworking Industries represents 22 European and National organisations from 16 countries and is the body backing the interests of the whole industrial European wood sector.

Members include Timber Development UK.

Newcastle University | Business School

Help us reflect the world of business

Timber!
Innovating and growing a sustainable low-carbon economy

1st March 2023 International Business Management

By Paul Brannen, David Goldman Visiting Professor of Innovation and Enterprise at NUBS

EFMD EQUIS ACCREDITED · ASSOCIATION AMBA ACCREDITED · AACSB ACCREDITED · Athena SWAN

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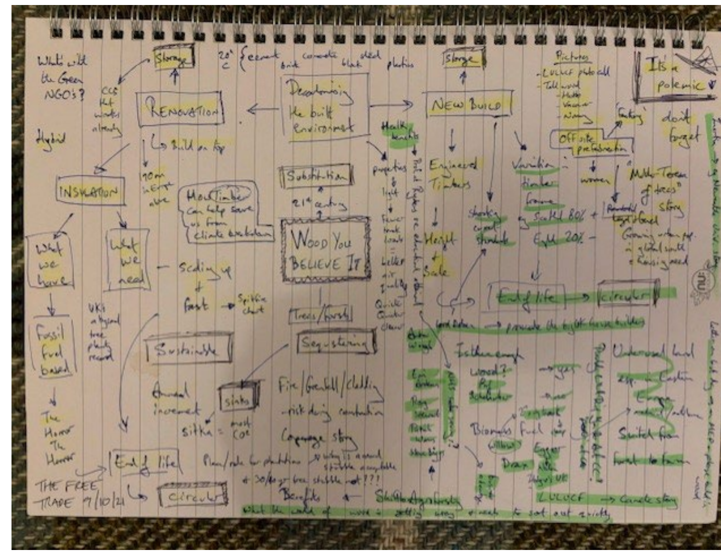
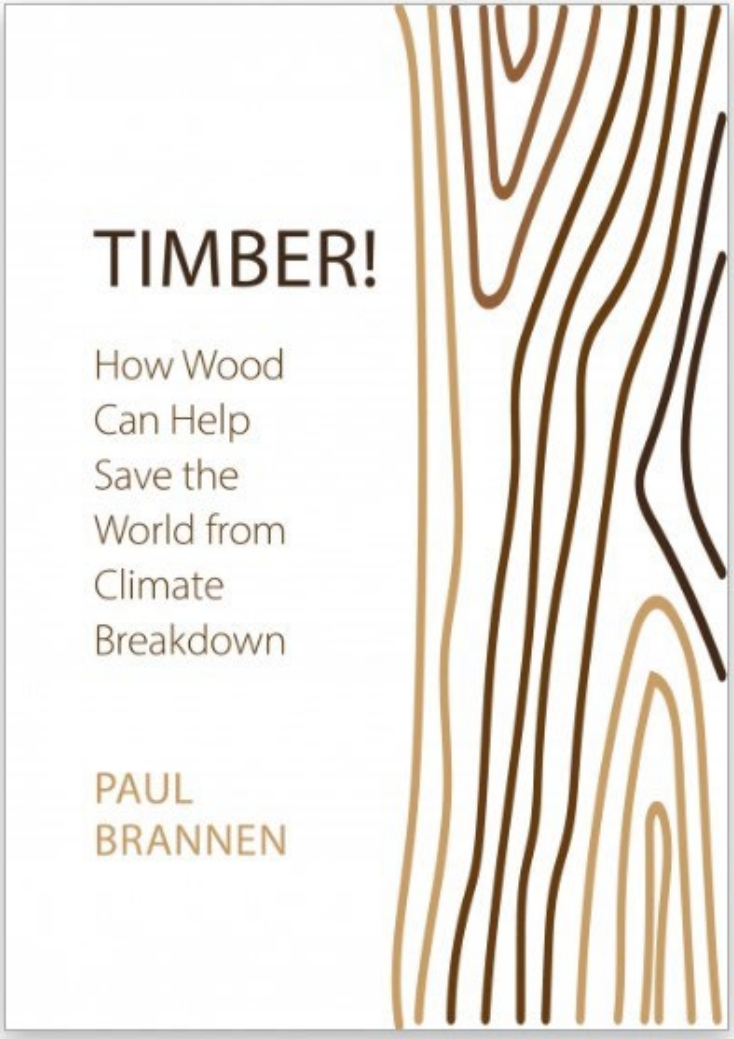
FREE TRADE INN
FREE TRADE INN

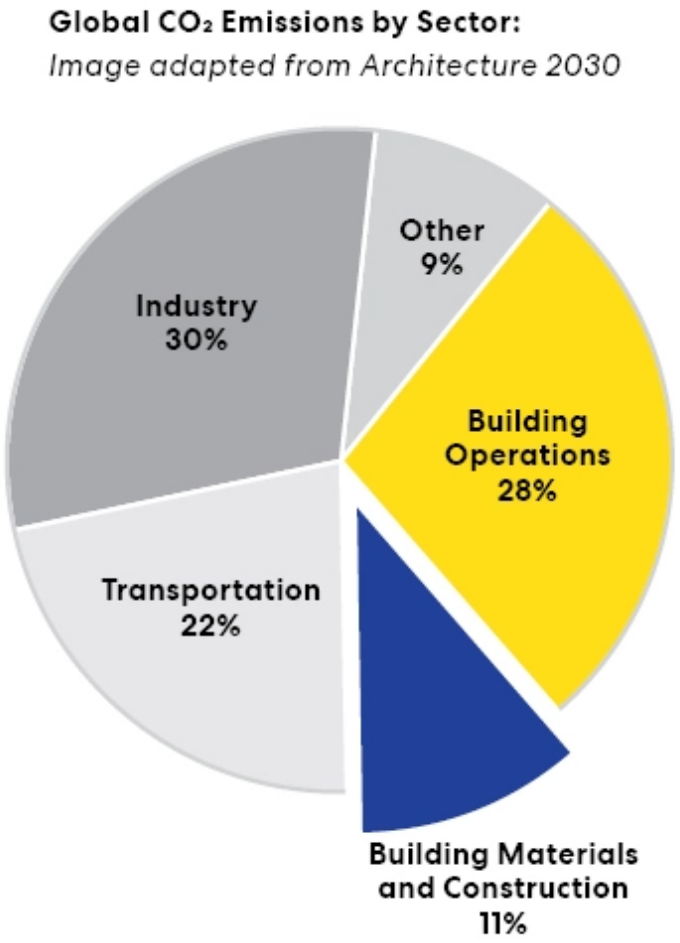

RENOVATION
NEW BUILD
INSULATION
WOOD YOU BELIEVE IT



Contents

Chapter 1

What is the problem we are trying to solve?



This is also the opportunity …

… green jobs.

Eight per cent of global carbon emissions

The most destructive material on the planet


B+K
B+K
B+K
BOWMER KIRKLAND
B+K
BOWMER KIRKLAND
ESSENCE of NATURE
B+K

Chapter 2

How timber can decarbonize the built environment

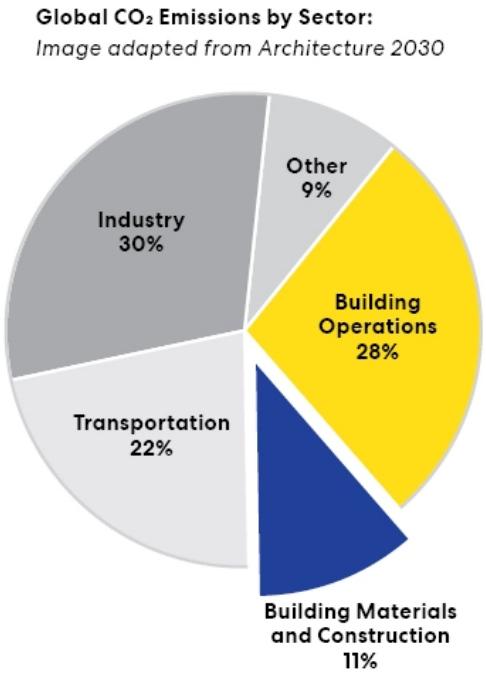
OPPORTUNITY: BUILD MORE FAMILY HOMES USING WOOD

Benefits of building more with wood

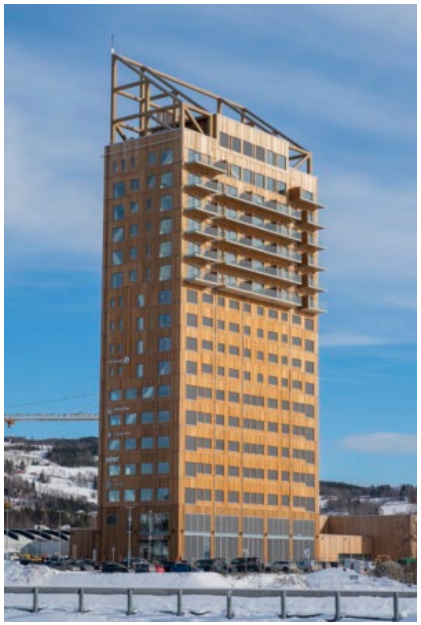
- Sequestration
- Storage
- Substitution

= Big climate wins

Chapter 3
Insulation the big climate win we are yet to deliver



Chapter 4
Wooden skyscrapers



OPPORTUNITY:

We can now build most buildings in most settings in timber

Chapter 5
Fire: Timber buildings and safety

"A passionate and thought-provoking manifesto for the much bigger role wood and forestry could play in tackling the climate crisis and improving the built environment."
Shaun Spiers, Executive Director, Green Alliance

"*Timber!* should be read by all those in planning, housing policy, construction and agriculture, and many more besides. Paul Brannen does a fabulous job of showing how feasible and beneficial it would be if we not only sequestered carbon through growing trees, but then locked it up in our buildings for many decades to come."
Helen Browning, Chief Executive, Soil Association

"Paul Brannen's engaging and accessible book explains how building materials that are grown instead of mined can change buildings from being a climate problem to part of the solution."
Lloyd Alter, author of *Living the 1.5 Degree Lifestyle*

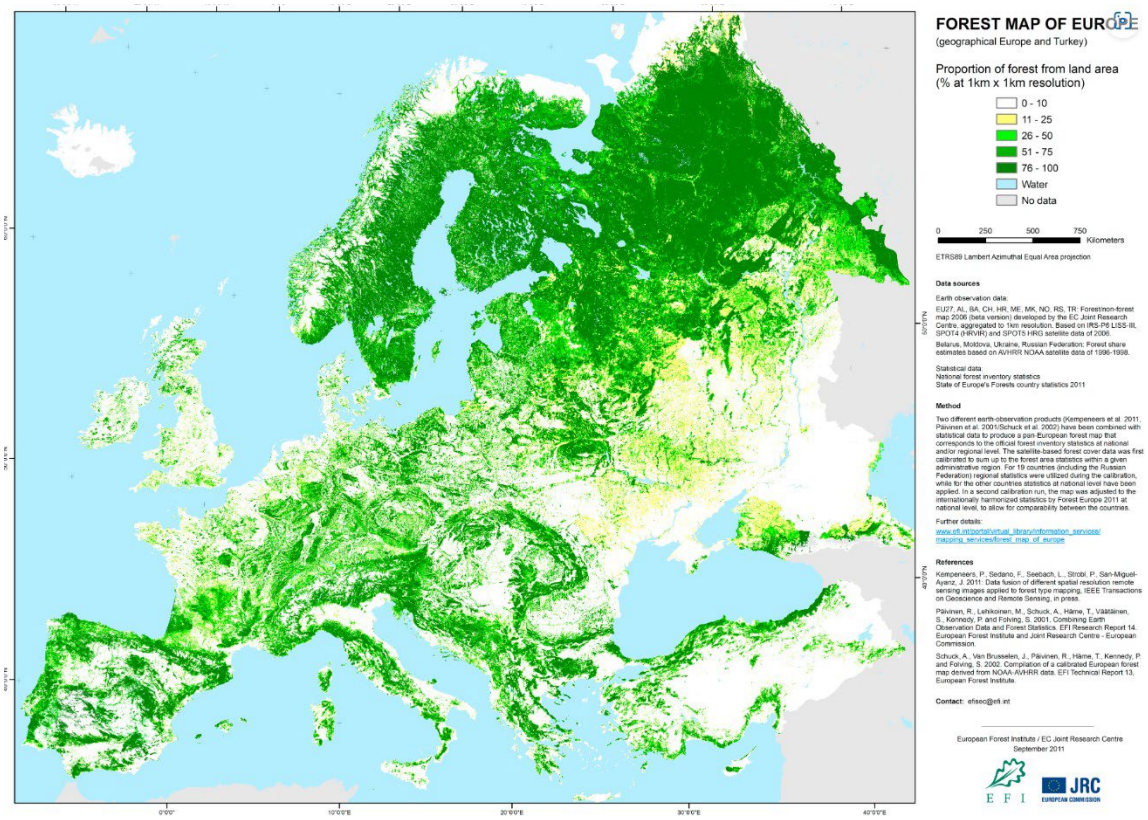
The carbon emissions generated by concrete and steel construction are well-known. Why then are we not using more carbon-friendly building materials? In a fresh and compelling argument Paul Brannen advocates changing how we build. By using timber in buildings wherever possible we can dramatically reduce our carbon emissions.

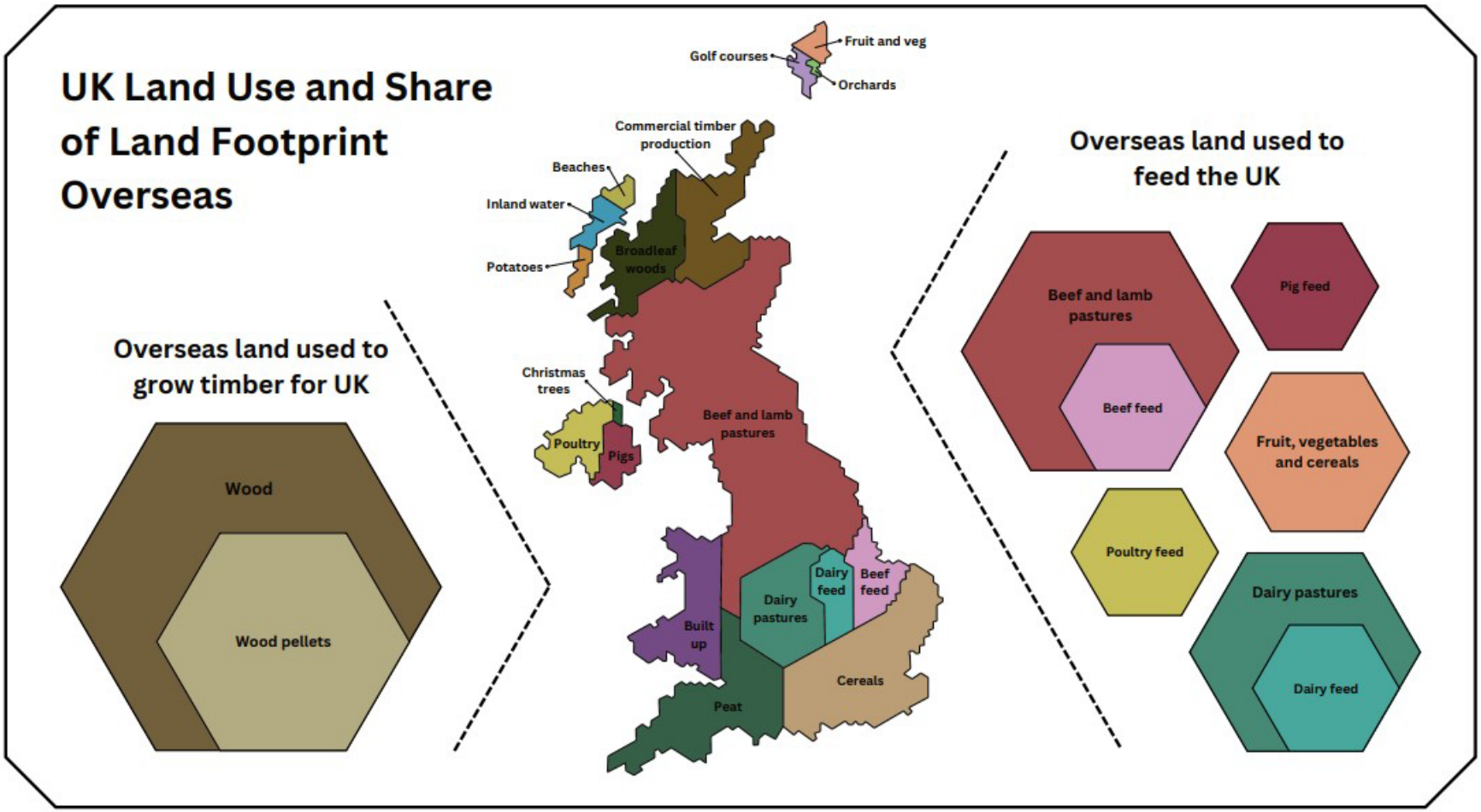
Timber! explains how we can sustainably grow, supply and utilize the wood we need for this transformation. With newly engineered timbers allowing us for the first time to build wooden skyscrapers, it also tackles head-on questions of safety. The book challenges us to think in new ways about how we can bring our natural environment into our built environment and offers inventive ideas that over time could see our expanding cities storing more carbon than our expanding forests.

ISBN 978-1-78821-735-4

photo: Mjøstårnet, Norway © Moelven

Chapter 6
Forests: an important asset in tackling climate breakdown

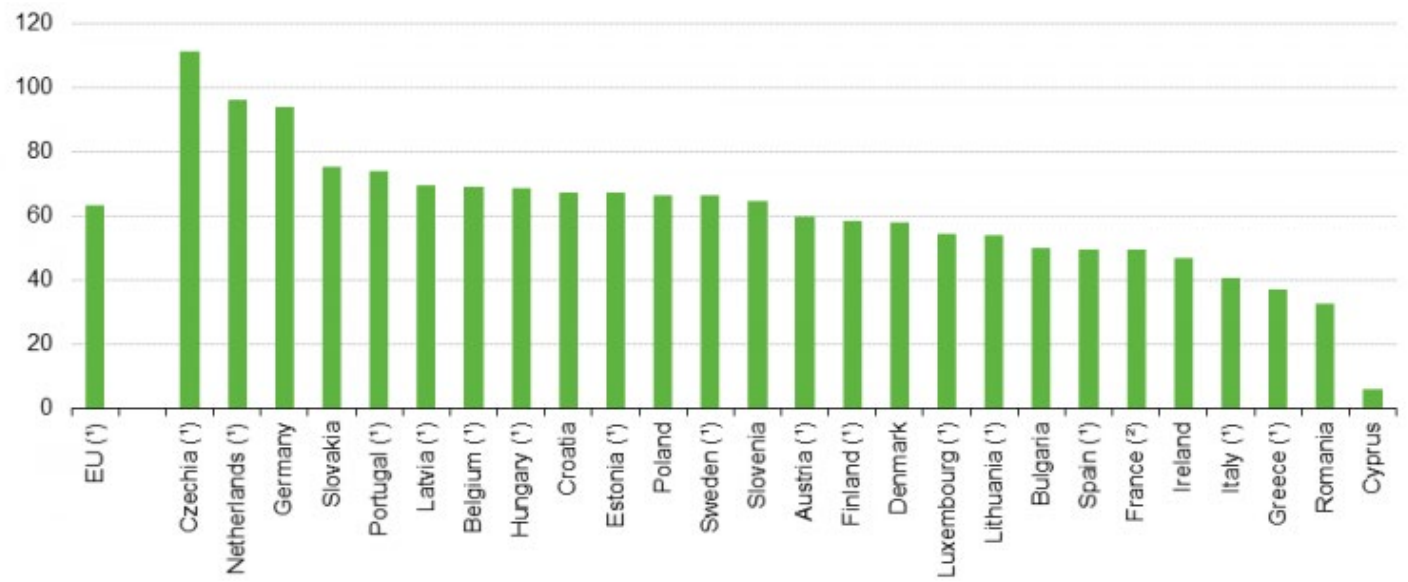




Produced by Confor

Chapter 7
Is there enough sustainable wood?

Share of removals to net increment in EU forests, 2019
(%)



(1) Data are estimates.
(2) Data refer to metropolitan France and only forest available for wood supply.
Note: Increment refers to the volume of wood grown less average annual mortality. Removals are measured overbark.
Malta: not available.

eurostat

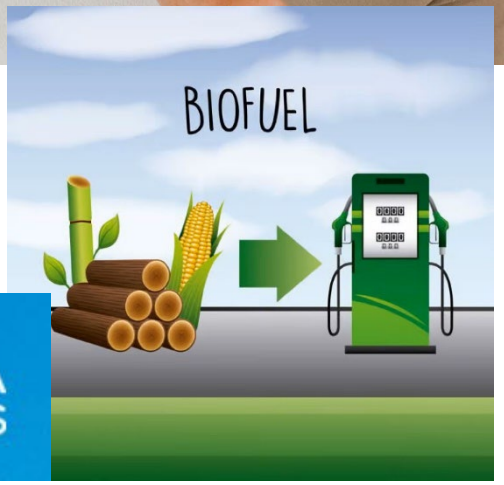
News

Denmark will plant 1 billion trees and convert 10% of farmland into forest

Danish lawmakers have agreed on a deal to plant 1 billion trees and convert 10% of farmland into forest and natural habitats in an effort to reduce fertilizer usage over the next two decades

Via AP news wire • Monday 18 November 2024 13:56 GMT

Chapter 8
Increasing wood supply



NOVAPANGAEA TECHNOLOGIES

1. Fell closer to the Net Annual Increment
2. Plant more forests
3. Grow trees on farms – agroforestry
4. Eat less meat, releasing land
5. Russia, Belarus & Ukraine
6. Optimise every log
7. Deploy material efficiency
8. Recycle more wood
9. Increase opportunities to up-cycle
10. Build-on-top – ‘Optoppen’
11. Reduce demolition
12. Use empty buildings

Chapter 9
Is there enough land?

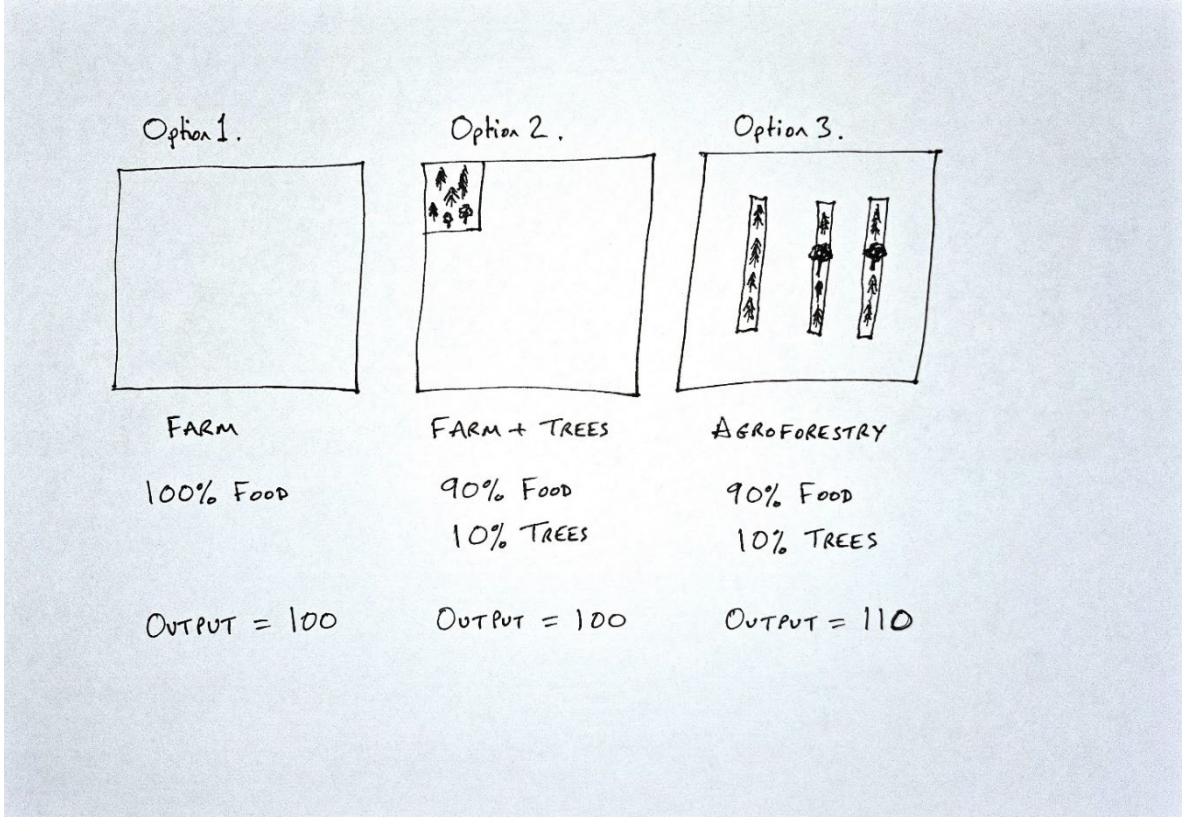
The amount of abandoned farmland in Europe, including European Russia, is equivalent to the existing farmland in France, the UK and Ireland combined.

I have come to see land use as the most important of all environmental questions. I now believe it is the issue that makes the greatest difference to whether terrestrial ecosystems and Earth systems survive or perish.

George Monbiot
Regenesis, 2023


EAT LESS
MEAT

Chapter 10
Harnessing the climate benefits of agroforestry



Chapter 11
Factory-built houses


3GF LH

~~Chapter 12~~ - The lost chapter

Conclusion
Timber Rising!

A significant increase in the use of wood and wood fibre in the built environment could reduce Europe's carbon emissions by at least 15 per cent.

End.

Folkhem

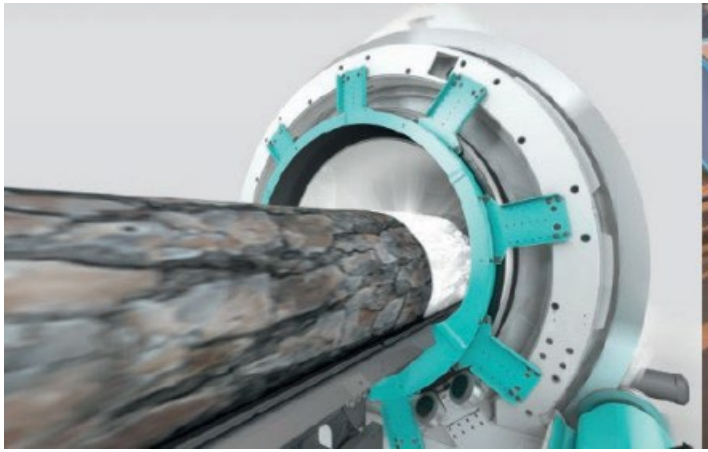
Våra bostäder

Bostäder till salu | Genomförda projekt | Att köpa nyproduktion

Skogsvaktaren


Fairtrade
OXFAM TRADING | TRAIDCRAFT | TWIN TRADING | EQUAL EXCHANGE
cafédirect®
Excellent coffee
A better deal for coffee growers
Medium
Roast
3
FULL AROMA
LATIN AMERICA
FILTER & CAFETIERE


CT Log




MiCROTEC

Conclusion:

- **Sequestration**
- **Substitution**
- **Storage**