



Chamati Trees and timber: opportunity in a time of change

NESAAG
15 September 2021

Stuart Goodall, CEO

@forestsandwood



Confor
Promoting forestry and wood

Demand for wood has soared...

Construction Today

Timber industry warns of major shortages in Q3 2021

BBC News

Building projects hit by lack of supplies and price rises

Architects' Journal

*Where's all the wood?
Materials shortage to last months*

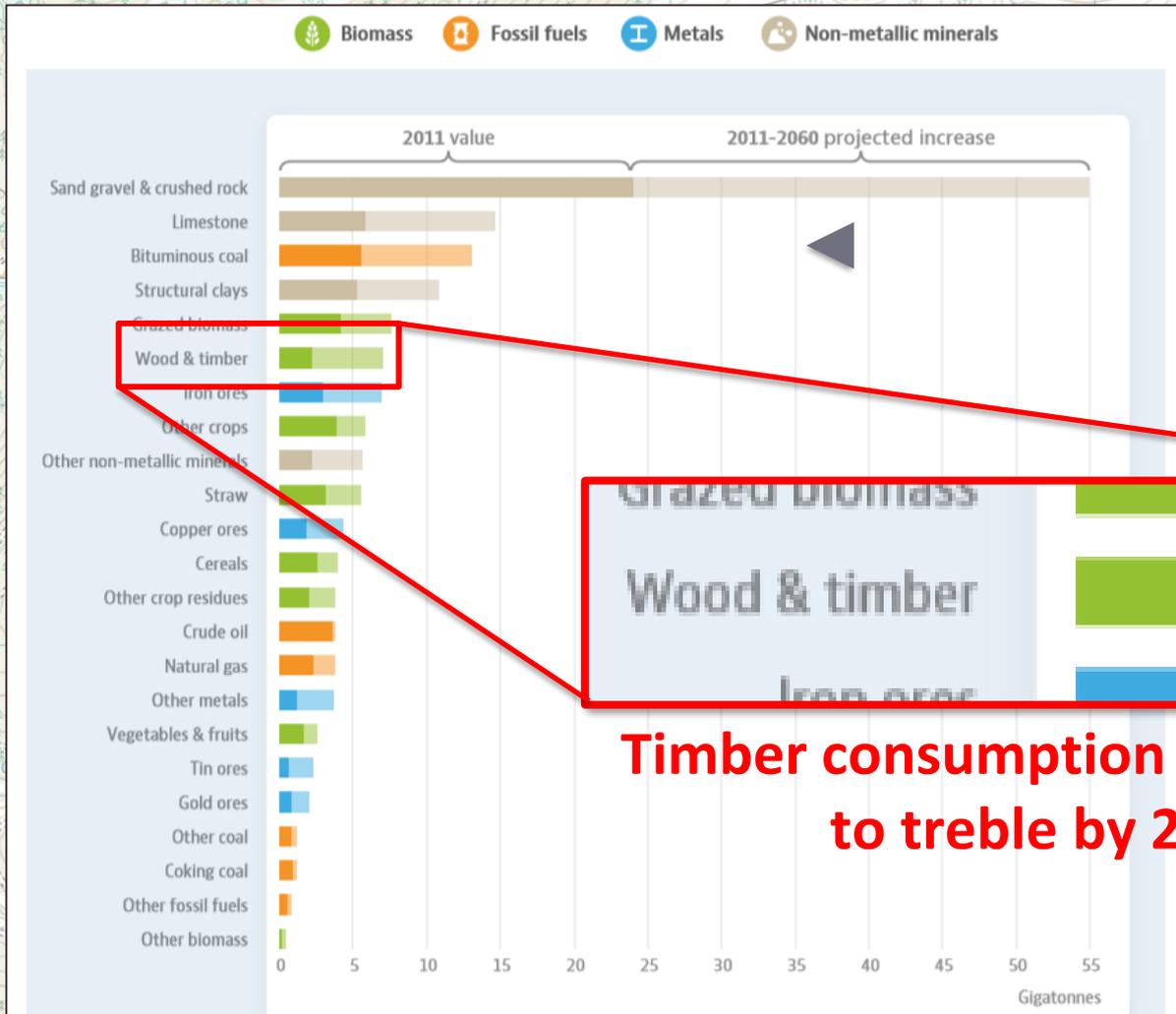
The Courier

Timber worth thousands stolen in Perth theft

Why? Short term reasons...

- Increased home working
- Investment in homes and gardens
- Government stimulus for house-building
- We import 80% of the wood and wood products we consume and other countries want more wood too!

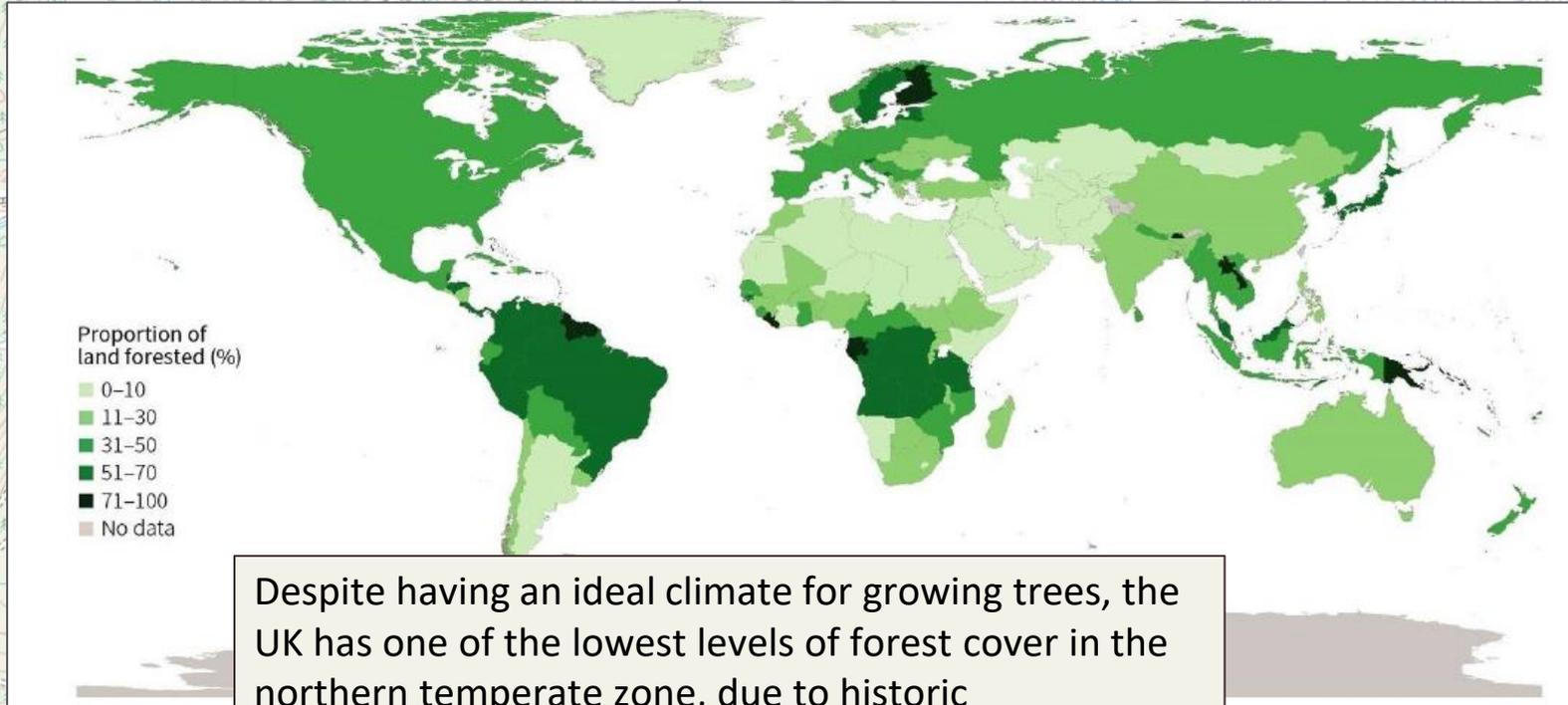
Growing economies use more wood



Timber consumption is predicted to treble by 2060

OECD – Resources Outlook to 2060

The global context



Despite having an ideal climate for growing trees, the UK has one of the lowest levels of forest cover in the northern temperate zone, due to historic deforestation.

The UK is also the second biggest net importer of wood products in the world, exceeded only by China.

Source: Forestry Statistics

Why? Longer term reasons...

- Meeting Climate Change targets – wood enables sectors like construction/housing and energy to decarbonise
- The transition to a ‘circular economy’ – wood is easily reused and recycled, and its production produces no waste
- It provides for high-quality and attractive places – people like to be around wood

Wood for low-carbon building

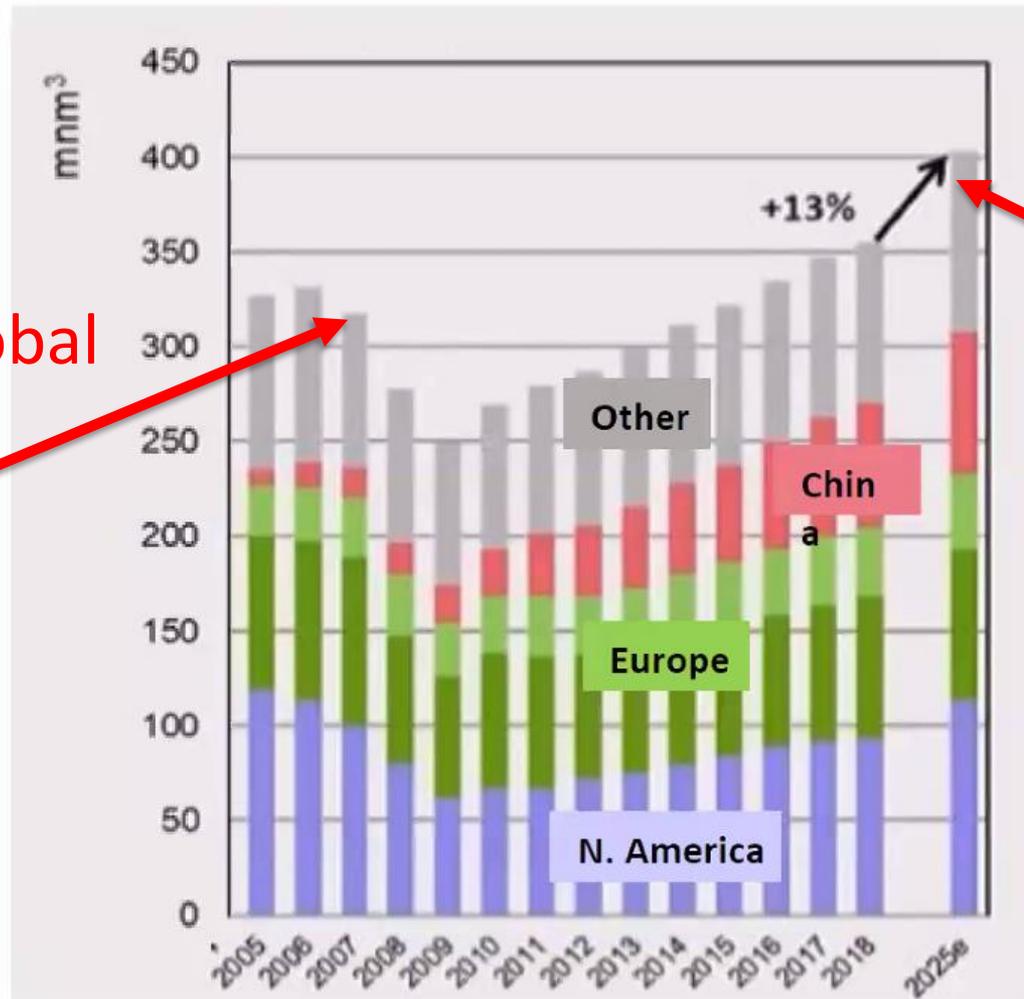
Stored Carbon in new housing
development Bridport House

1,139,712 kg CO₂



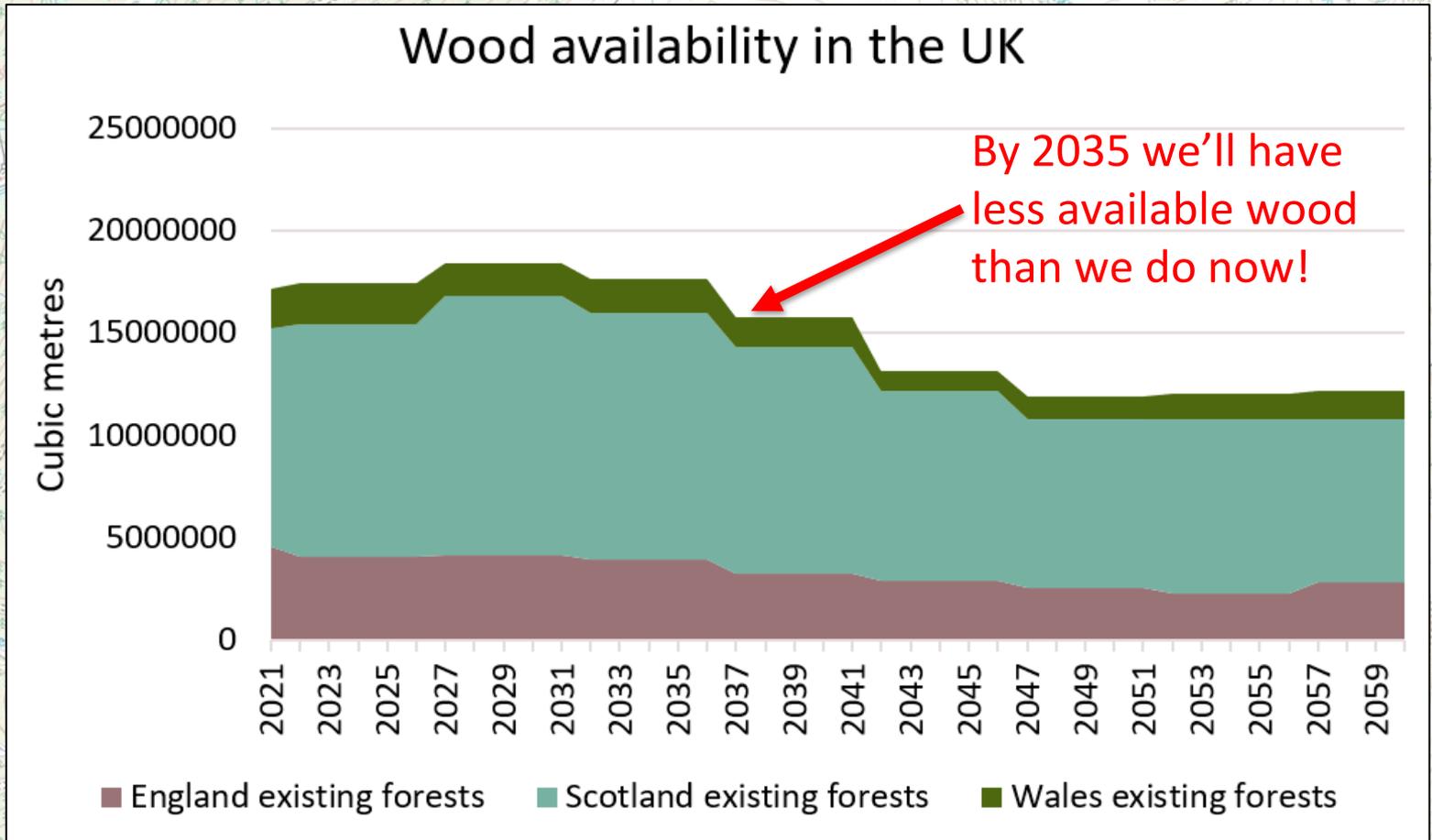
Soaring Global Demand for Wood

2007 Global
Financial
Crisis

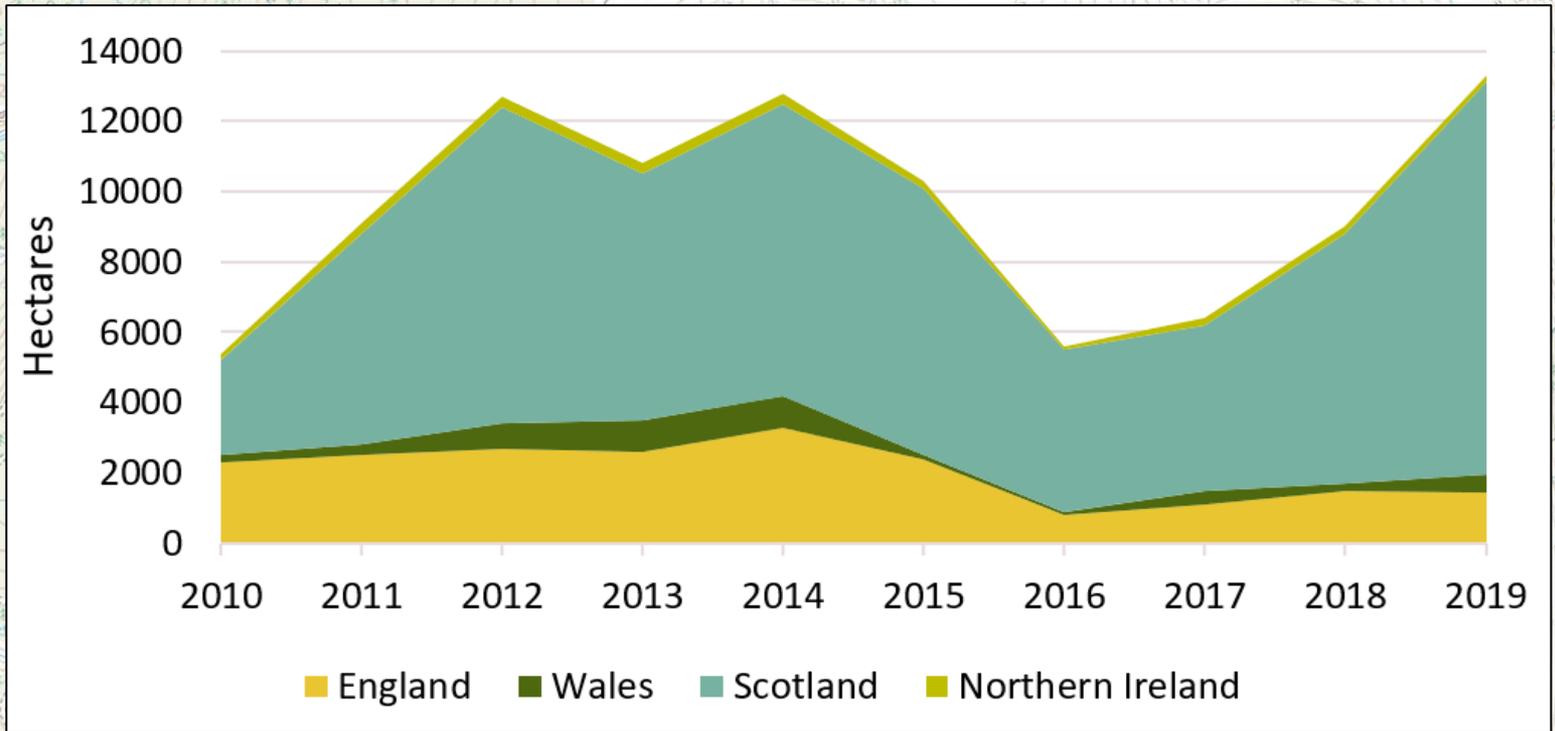


Source: Timwood

The world needs more wood, and we're not doing enough...



New planting – the story so far

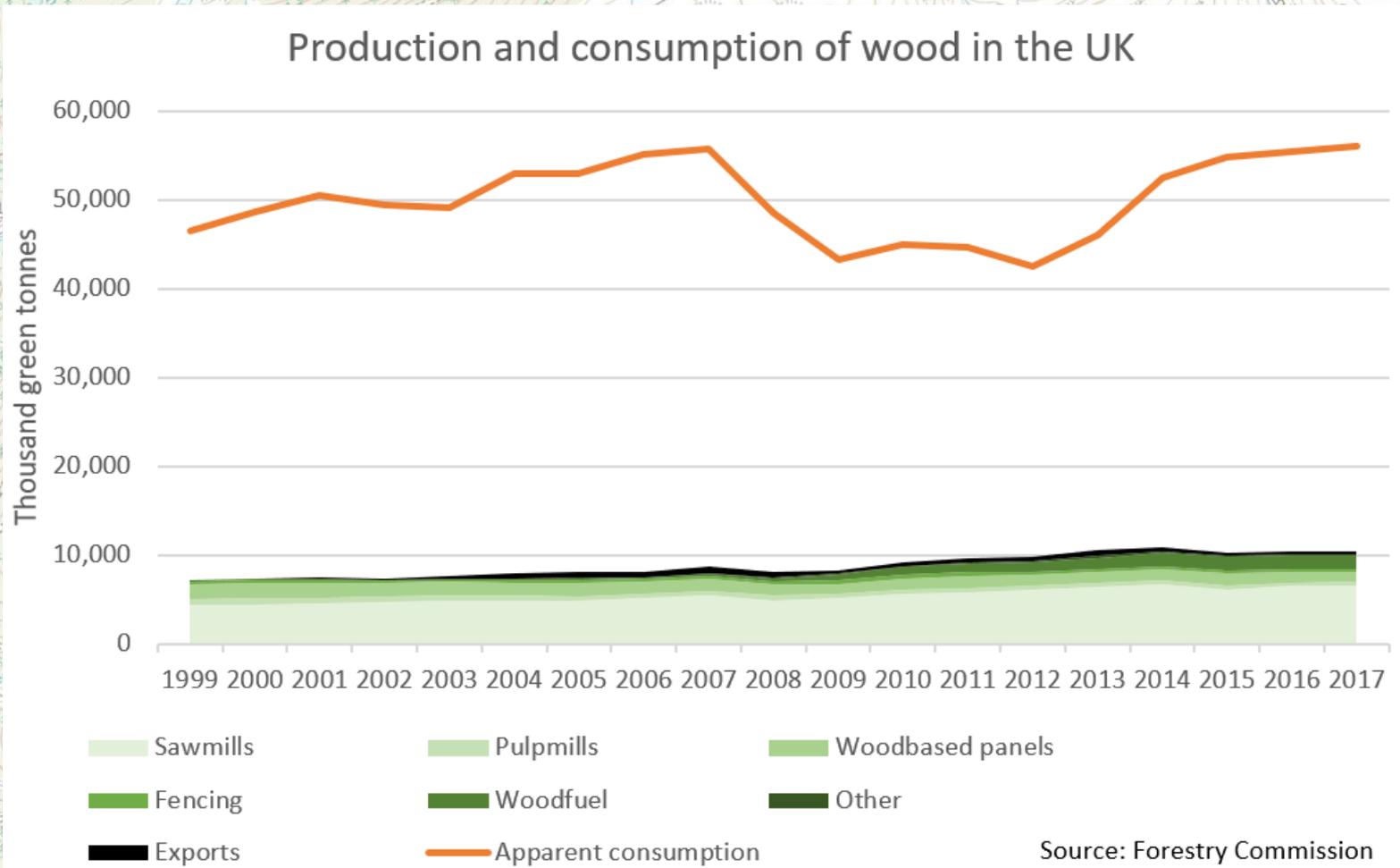


Area of new planting - 2020-21

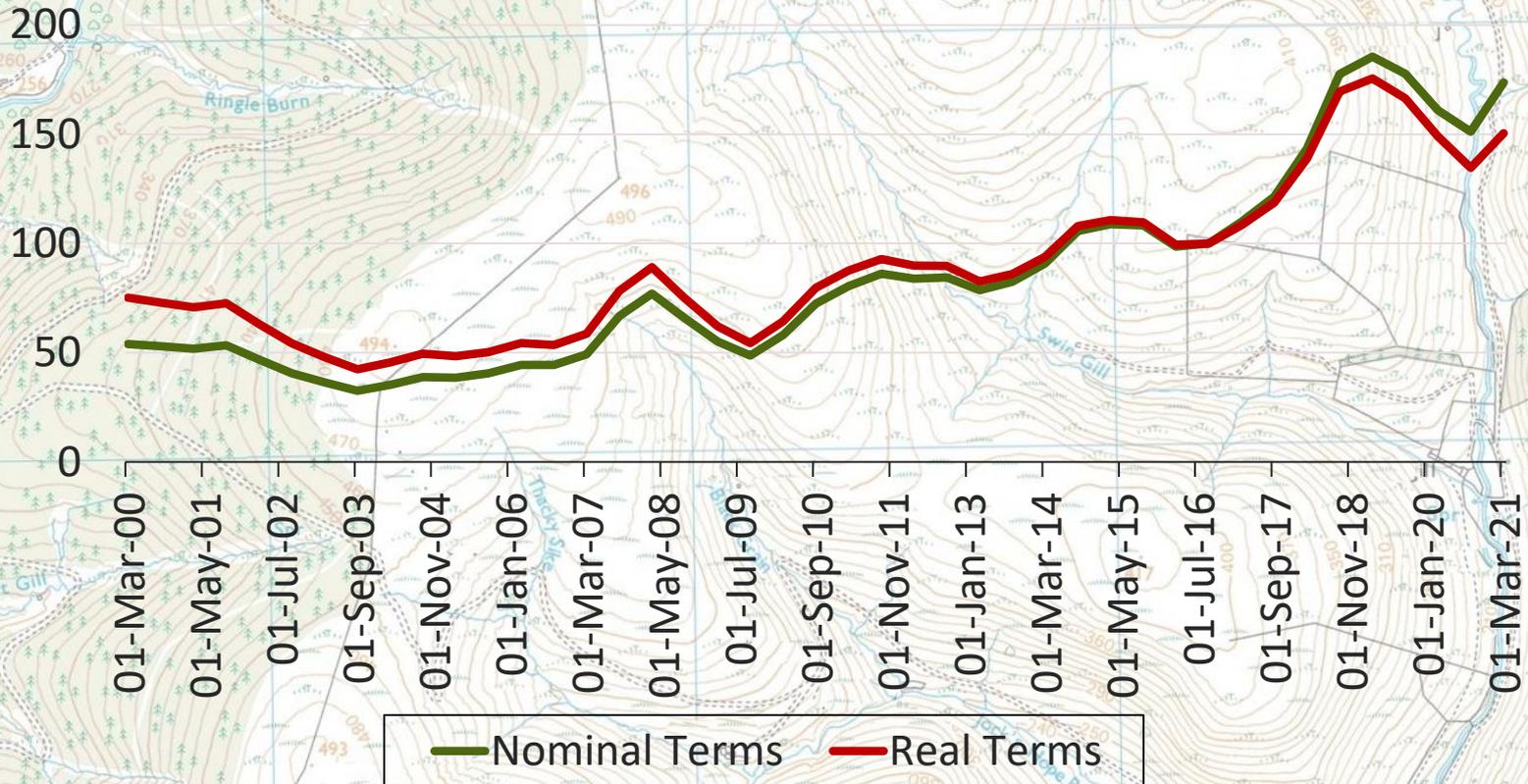
New planting	England	Wales	Scotland	N Ireland	UK
By forest type					
Conifers	0.11	0.08	6.94	0.07	7.19
Broadleaves	2.07	0.21	3.72	0.22	6.22
All new planting	2.18	0.29	10.66	0.28	13.41

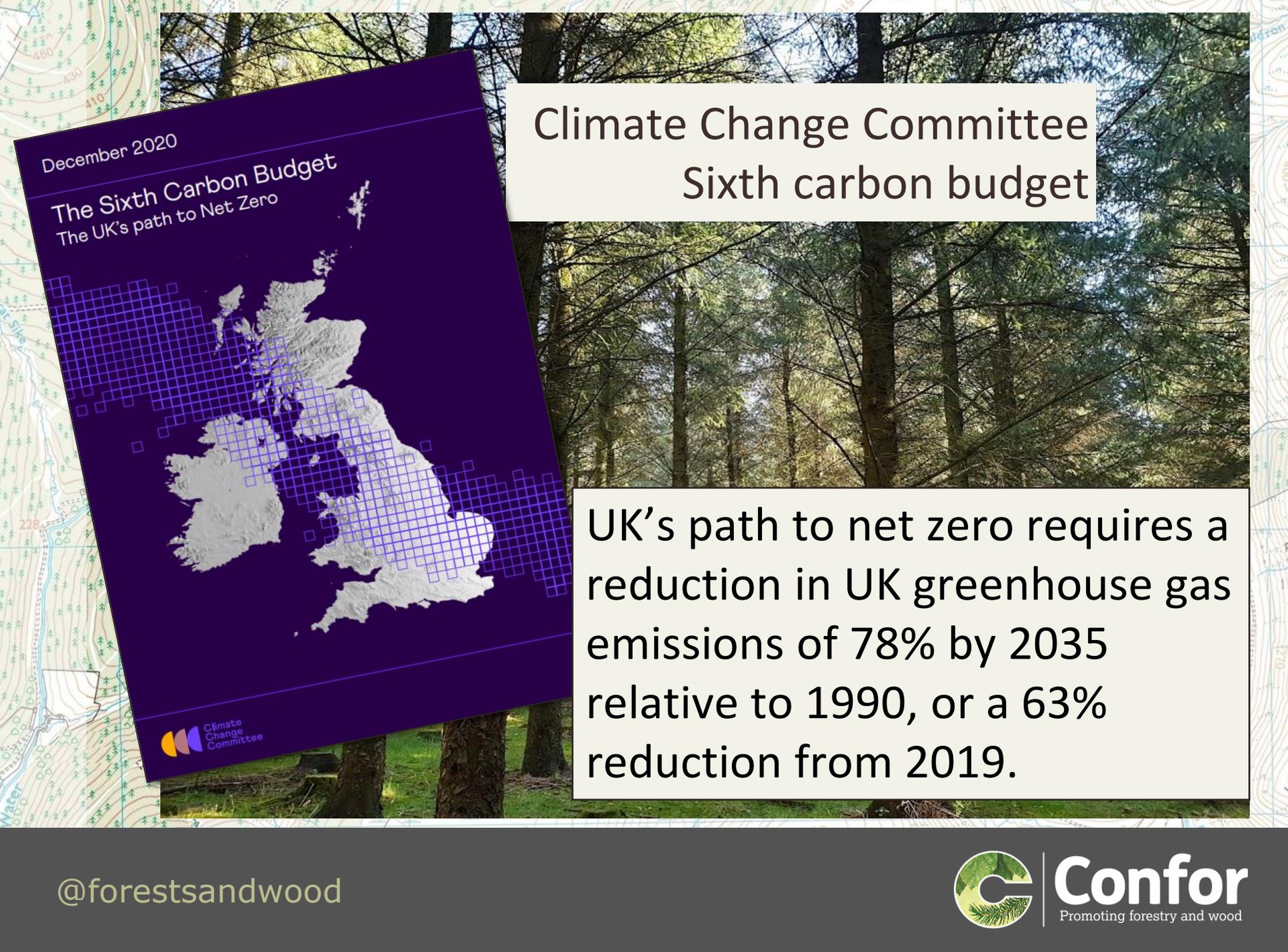
thousands of hectares

Huge market on our doorstep...

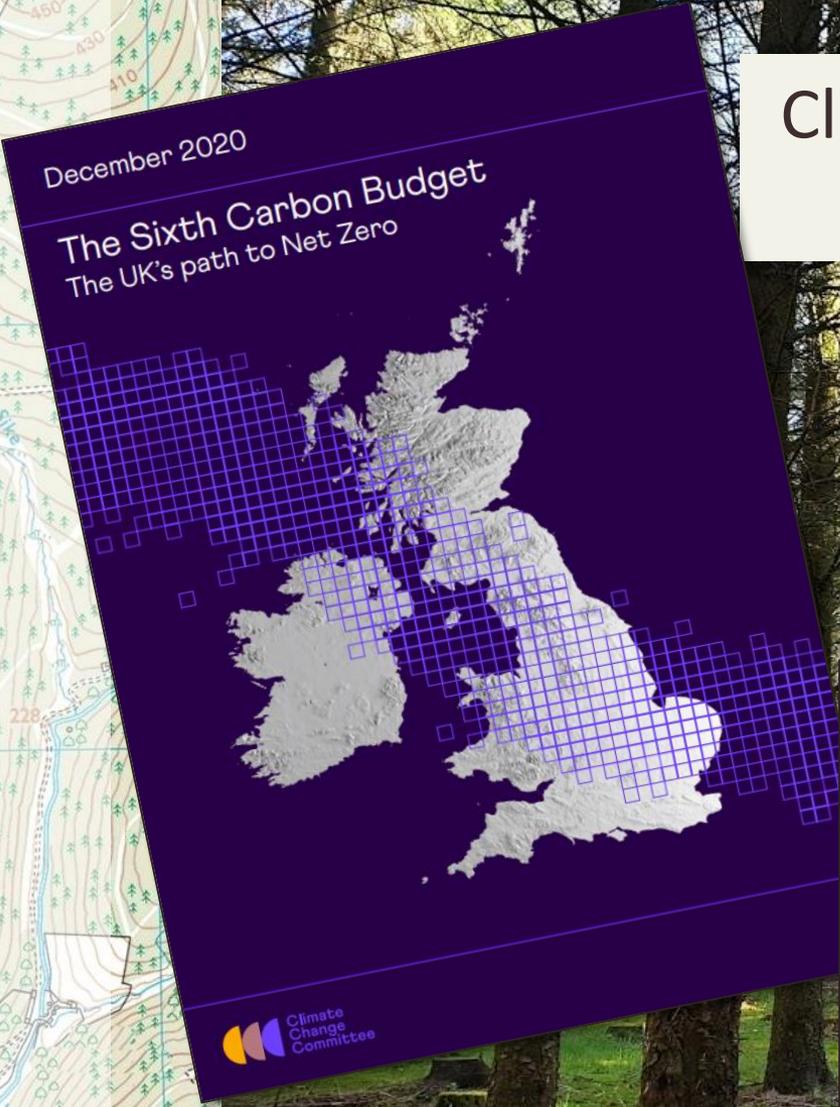


Coniferous Standing Sales Price Index



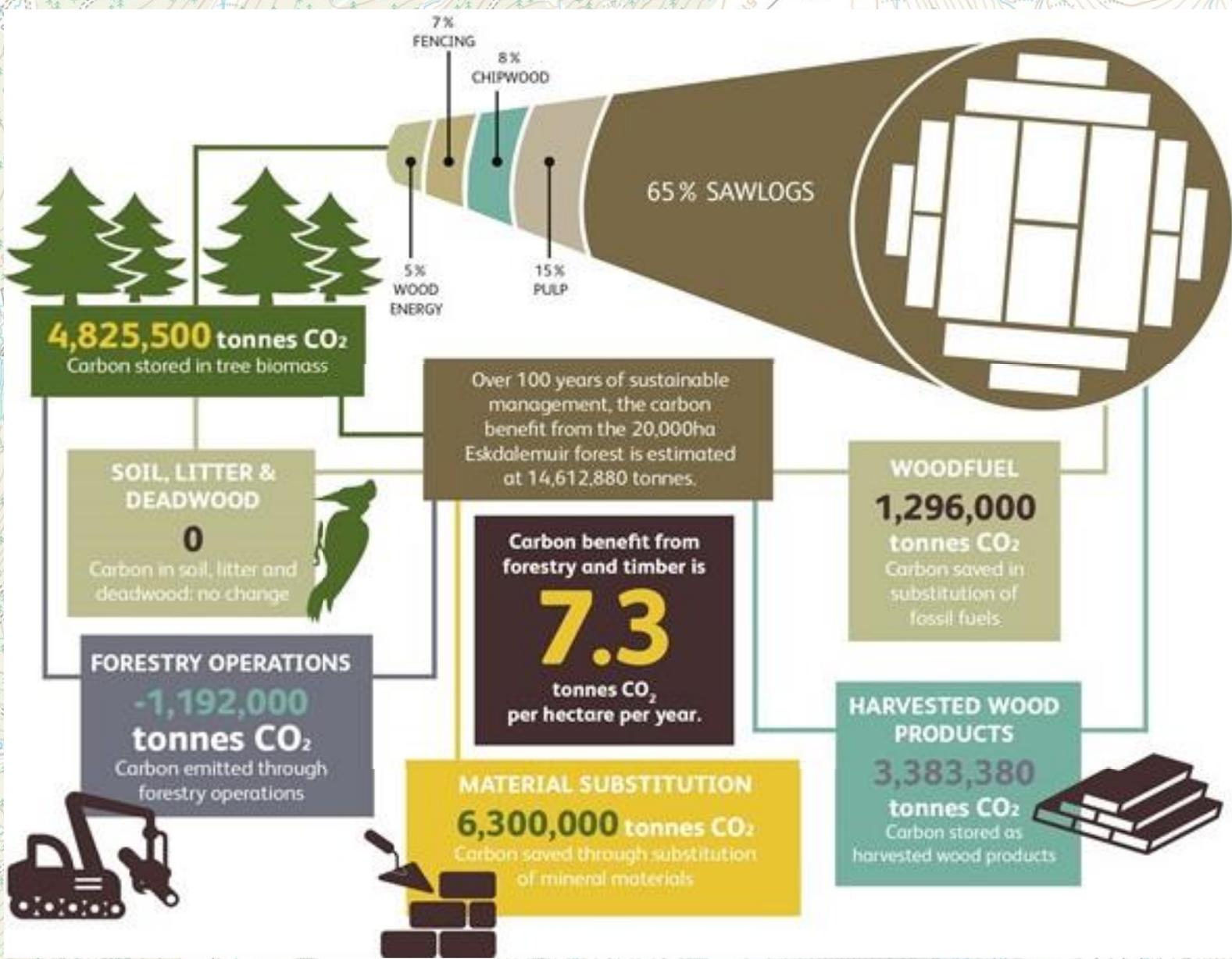


Climate Change Committee Sixth carbon budget



UK's path to net zero requires a reduction in UK greenhouse gas emissions of 78% by 2035 relative to 1990, or a 63% reduction from 2019.

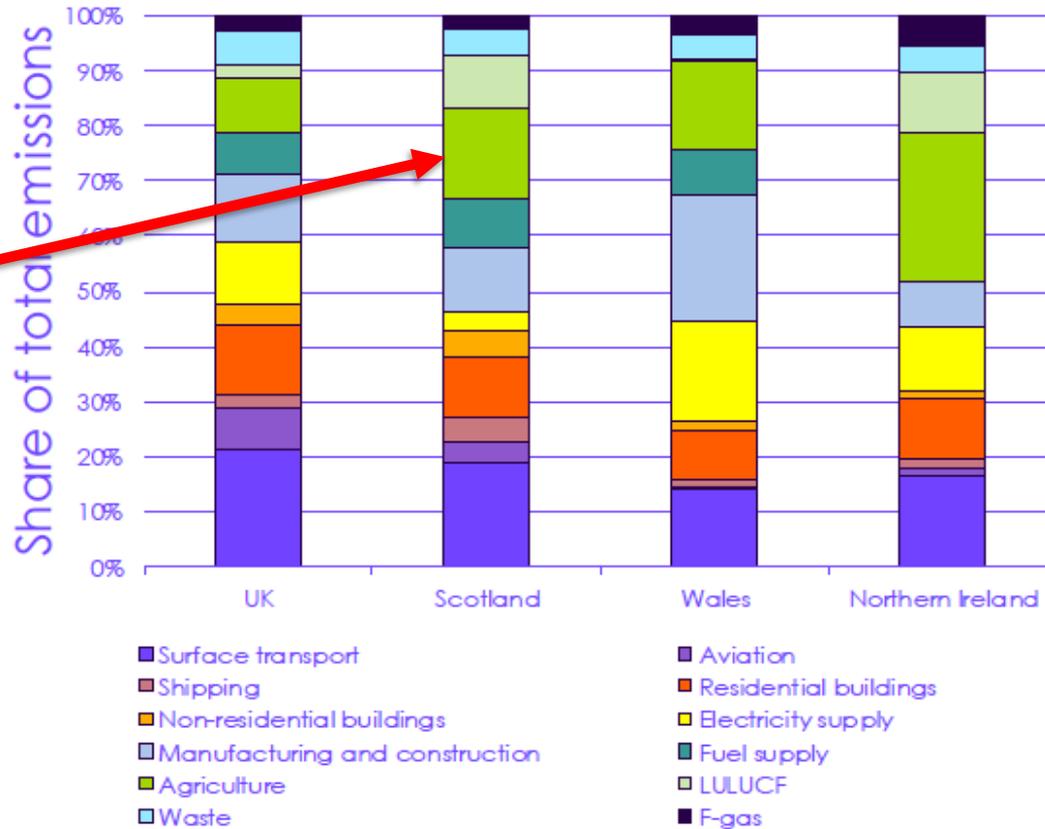
A great story to tell



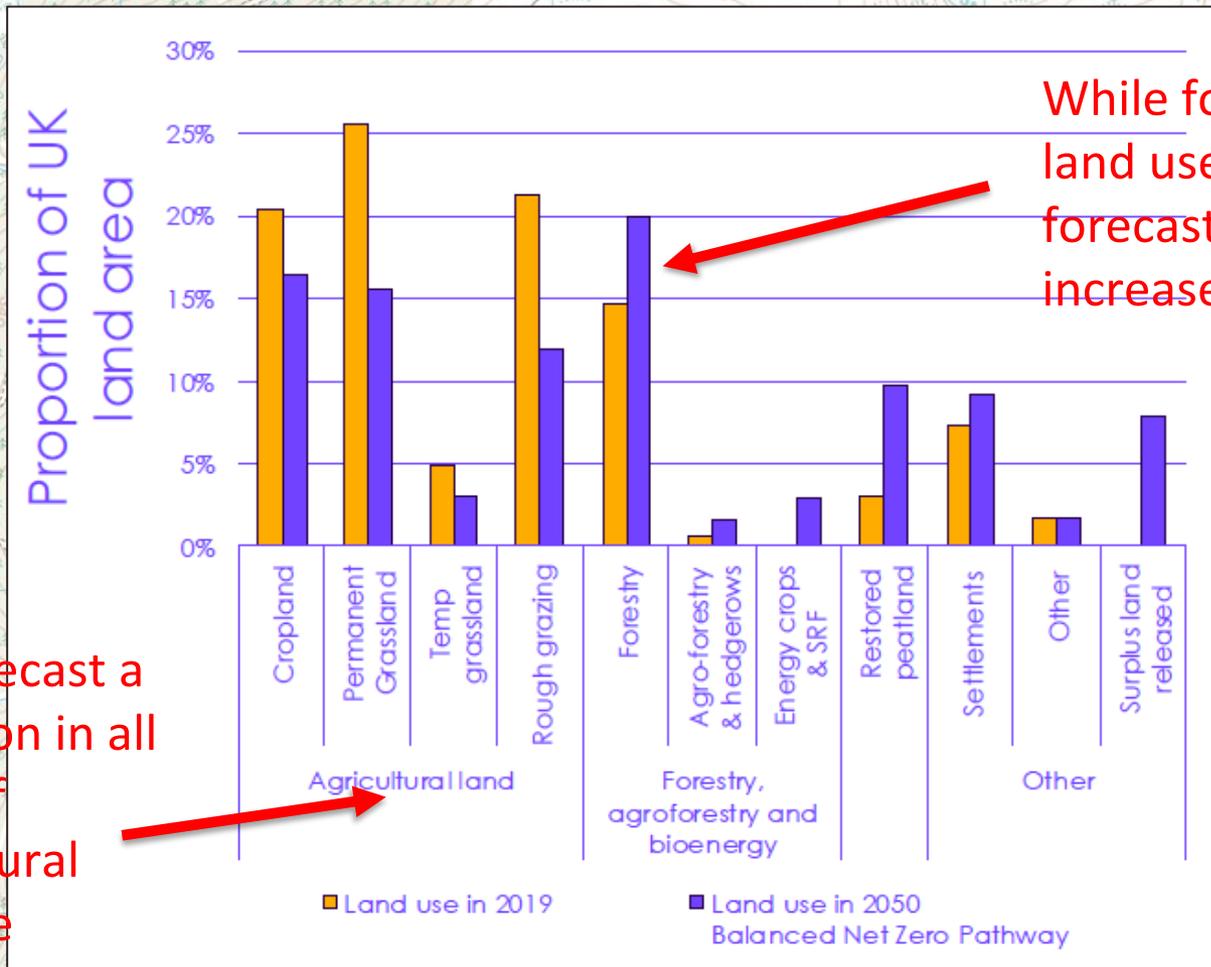
Agricultural Emissions

Report highlights sectoral emissions from agriculture - one of the most significant sectors in Scotland.

Figure 4.1 Sectoral emissions in 2018 for Scotland, Wales and Northern Ireland compared to the UK

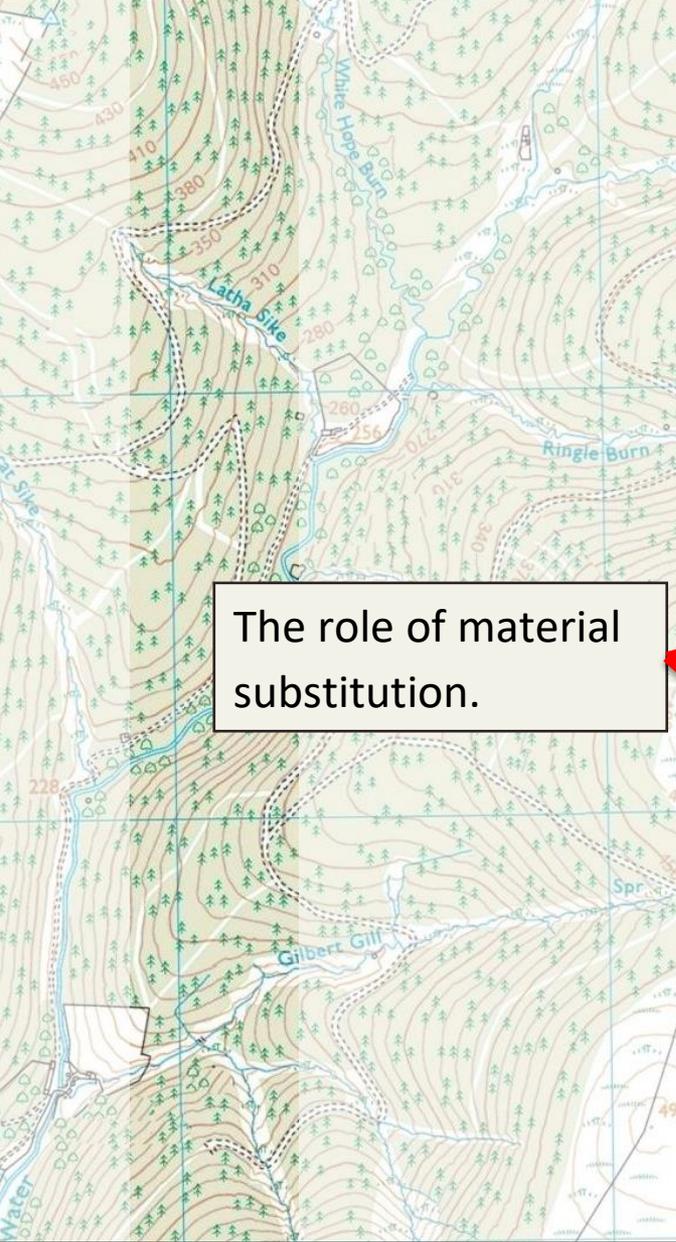


Land use change



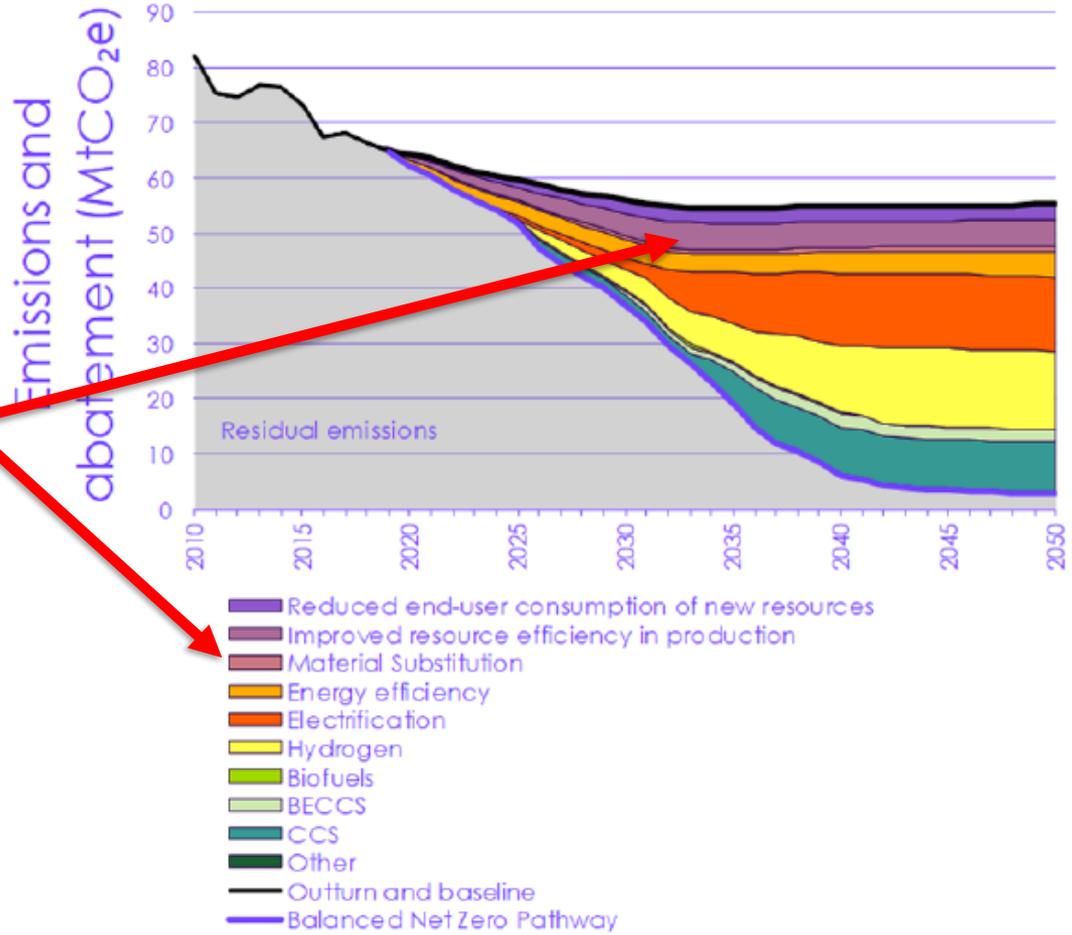
CCC forecast a reduction in all types of agricultural land use

While forestry land use forecast to increase



The role of material substitution.

Figure 3.3.a Sources of abatement in the Balanced Net Zero Pathway for the manufacturing and construction sector



What does this mean for land use?

- Ultimately, it's up to farmers and landowners to decide...
- There are real opportunities – change is coming (Agricultural Transition consultation) and trees can provide positive options
- They're not for everyone, but more can benefit than probably realise

From SRUC's website...

“Strong demand for wood fuel means pioneering Aberdeenshire farmers are now reaping the rewards of trees planted 20 years ago.”

“As shelter for livestock, trees can reduce incidence of mastitis in ewes and hypothermia in lambs”

“Trees have been linked to increased agricultural productivity”

“Something people don't realise is that one of the best ways to lock up carbon dioxide is in finished wood products”

From Confor study*

“trees grow on the poorer soils which can sometimes only support lower levels of stock or indeed, may present management problems”

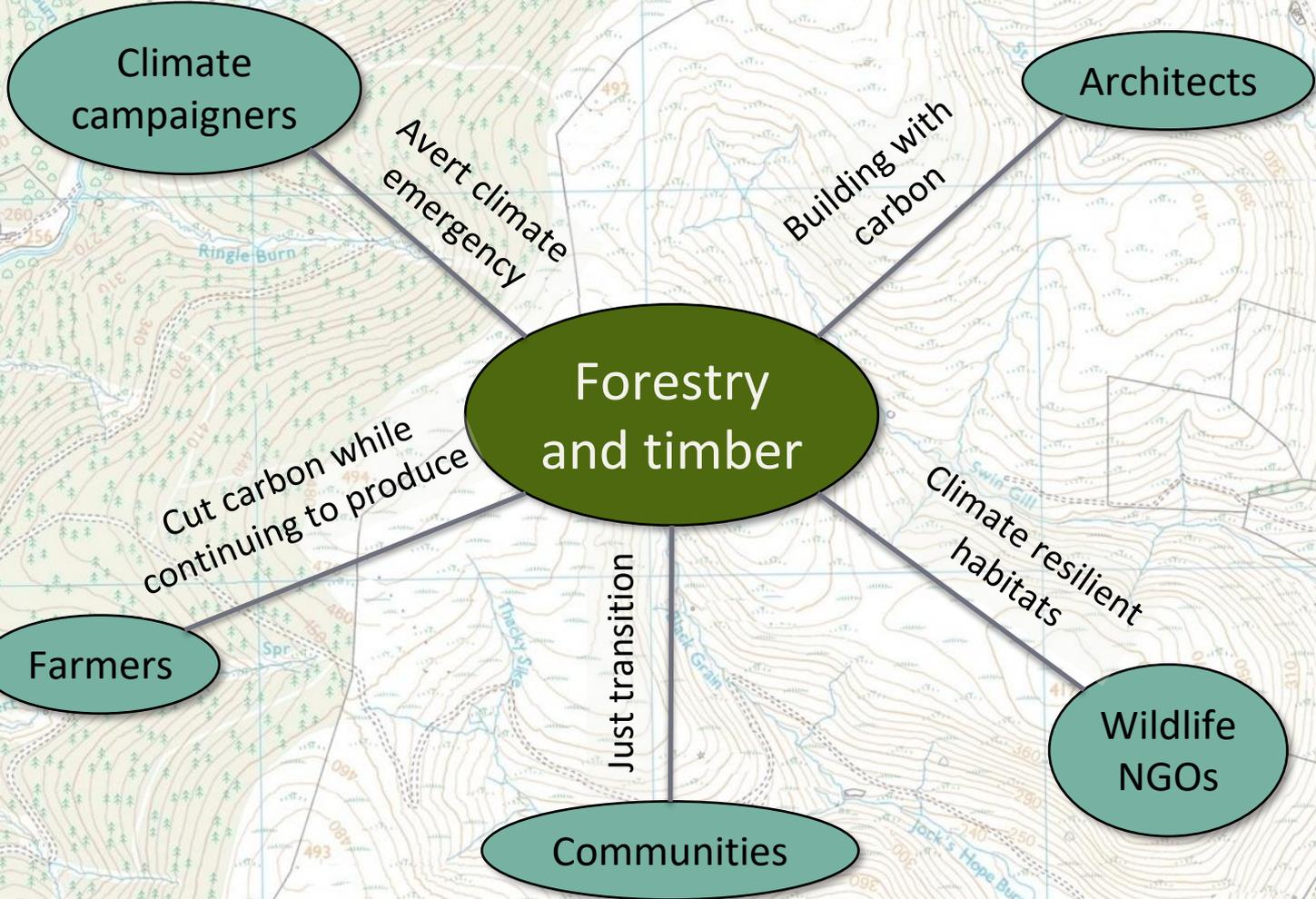
“allowed for diversification of the farm business without affecting the financial viability of the farm unit”

“improve shelter on the better ground reserved for the livestock enterprise which in turn can improve the performance of the animals”

“The family can reap the benefits of their woodland for many generations to come”

*<https://www.confor.org.uk/media/246612/confor-farm-forestry.pdf>

We want to work in partnership



Timber Processing Sites, Shipping Points & Major Biomass Consumers

- | | |
|----------------------|--------------------------------|
| ● Key Timber Ports | Timber Processing Sites |
| ● Other Timber Ports | ■ Major Sawmill |
| ▲ Key Piers | ■ Panel Mill |
| ● Woodland (NFI) | ■ Paper Mill |
| | ■ Major Biomass Consumer |



**The North
East is the
place to be!**

Be like Dilbert...

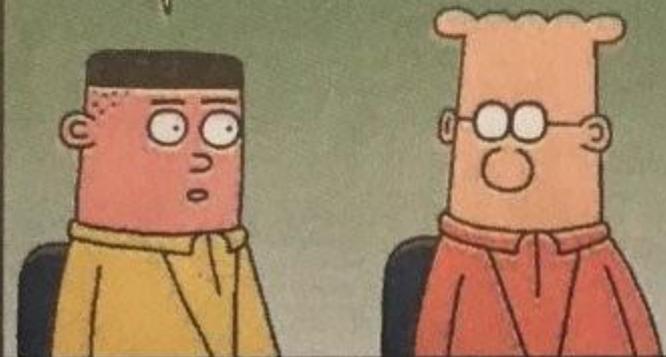
DILBERT by Scott Adams

I INVENTED A
COST-EFFECTIVE
PRODUCT TO HARVEST
CO2 FROM THE AIR AND
TURN IT INTO CON-
STRUCTION MATERIAL.



Twitter: @scottadamssays

SO... YOU
INVENTED A TREE?





**THANK YOU FOR
LISTENING!**

@forestsandwood



Confor
Promoting forestry and wood