

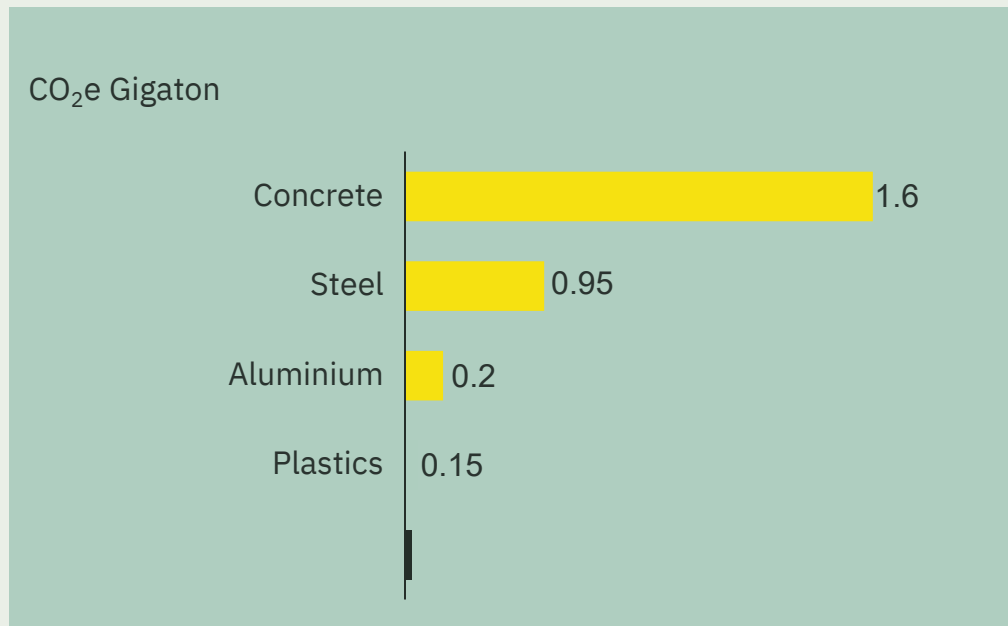


BUILT BY NATURE

Transforming the built environment to
work in unison with nature

Getting to 1.5 degrees will not be possible if we continue to use only steel and concrete for buildings.

CO2 emissions from building materials is 2.9 GT and is expected to grow to 5.3 GT by 2050.

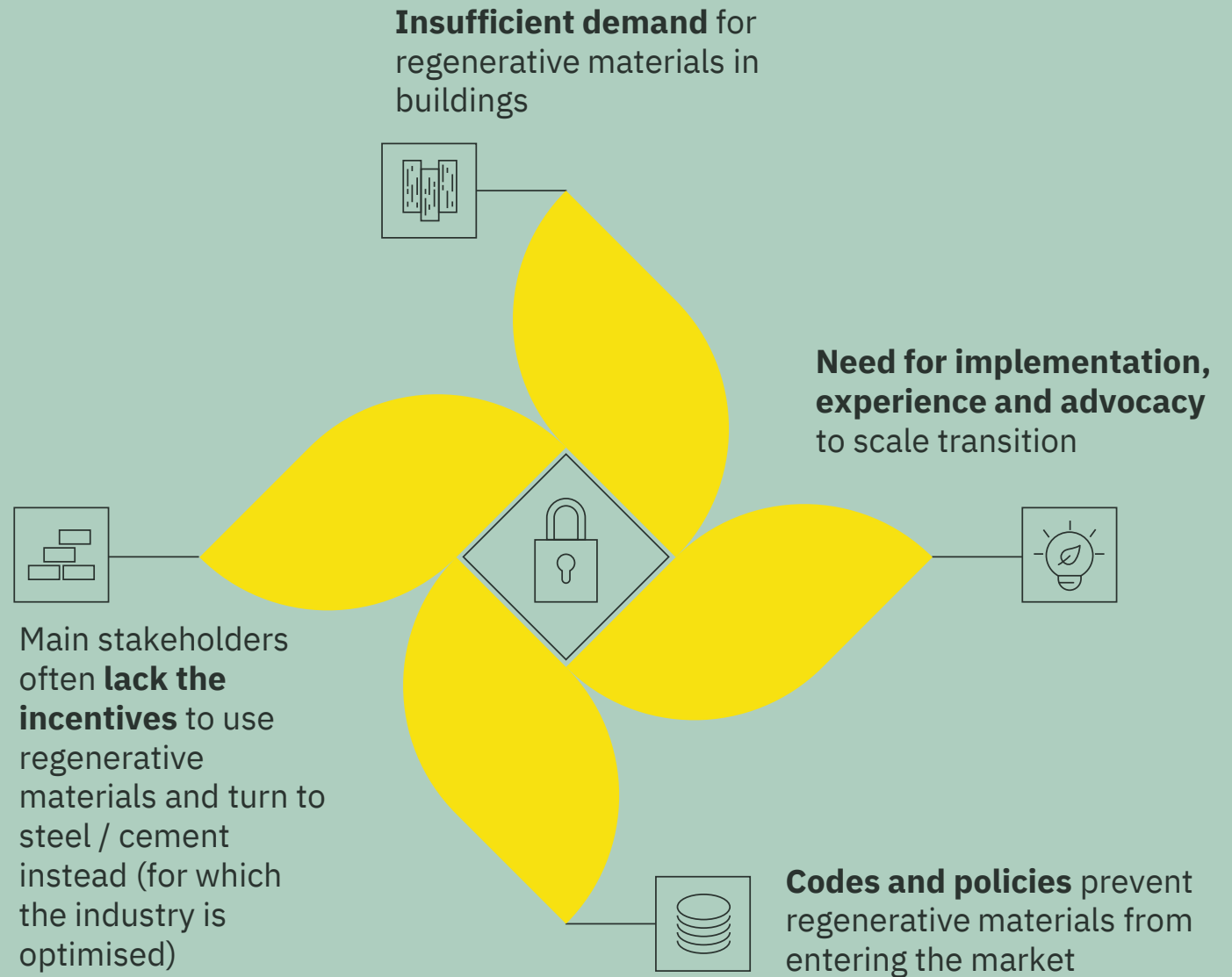


“The building industry consumes 44% of all extracted materials (40.6 GT in 2015)... Sand may become scarce in the next decade and the high amounts of energy needed to produce concrete may not be feasible with rising energy prices”

Sources: Tomorrow's Timber: Towards The Next Building Revolution, Pablo Van der Lugt. Material District, 2020



...the regenerative/bio-based materials transformation needs a demand stimulus



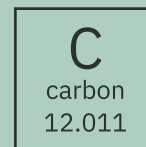
We could avoid more than **100 billion tons of CO2 emissions** until 2100 if our homes were made out of timber instead of steel and concrete

-- about 10% of the remaining carbon budget for the 2 degree climate target.

Substitute.
Timber can replace steel and cement in building constructions



Store.
Timber can store carbon securely for a very long time

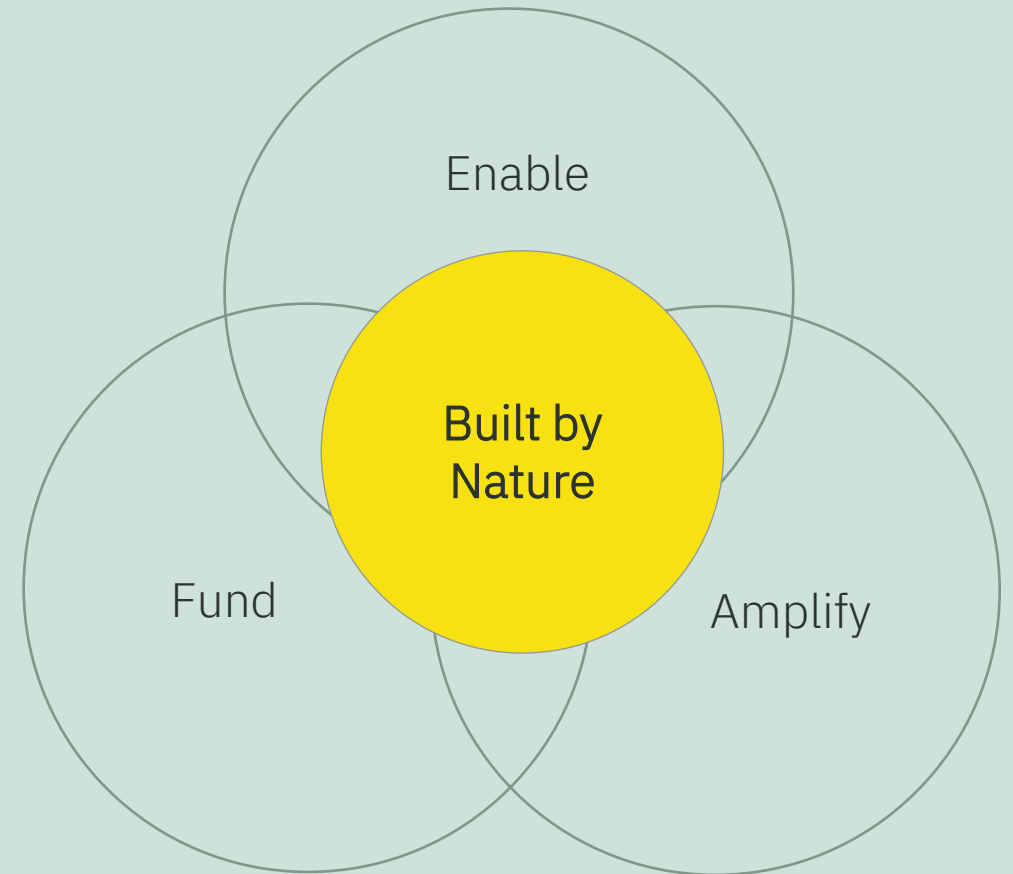


Sequester.
Trees can be regrown sustainably and capture new carbon

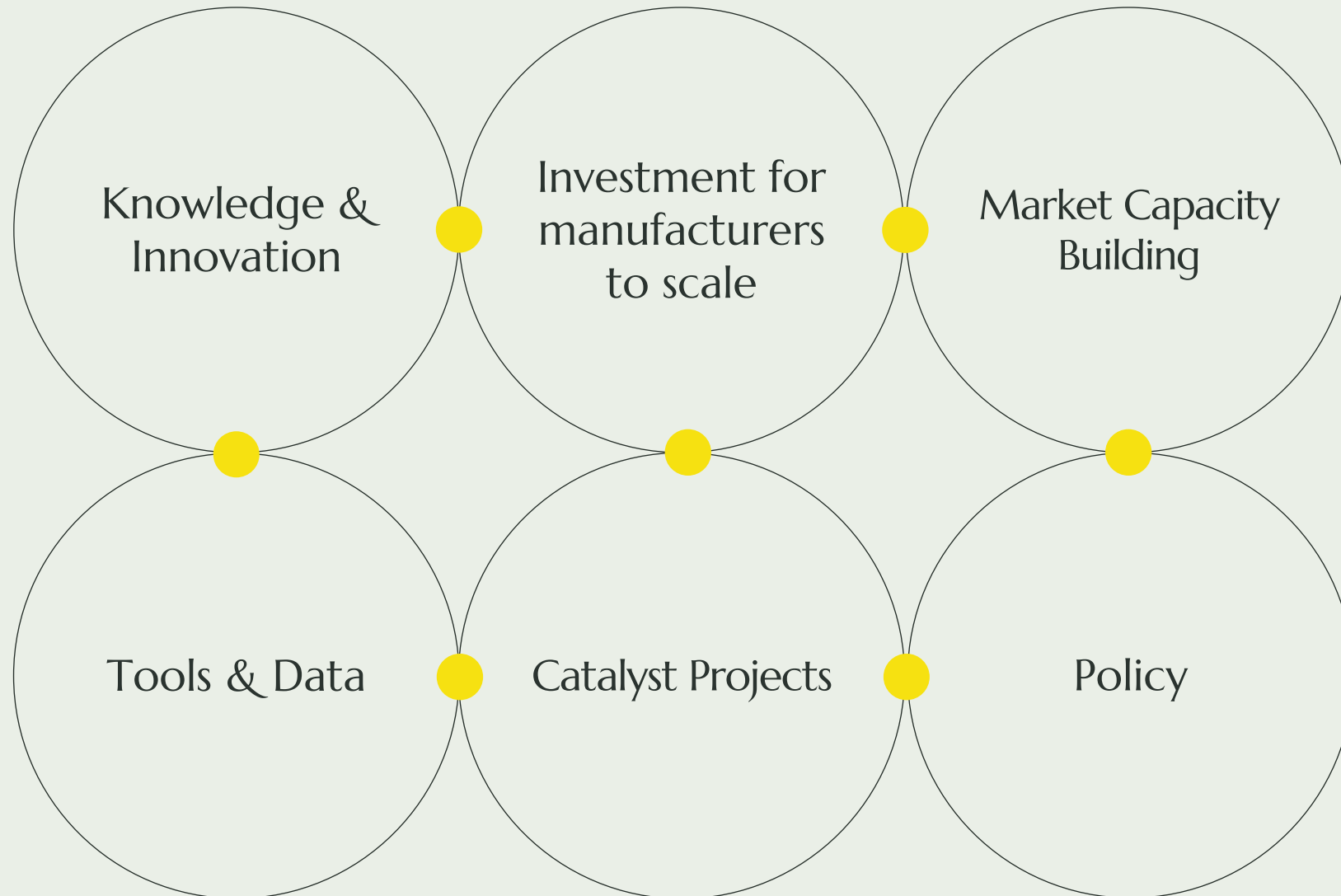


Built by Nature

Enables, funds and amplifies
to remove the market barriers and
drive systemic solutions for the
adoption of mass timber and
bio-based materials



What solutions are needed for the regenerative materials acceleration?



Driving Demand –The Big 6 + enabling players



Developers




Investors



Designers

We work with **frontrunners** in **key stakeholder groups** as the main gatekeepers to mobilise and show the majority the way...



Manufacturers



Asset Owners



Insurers



Cities

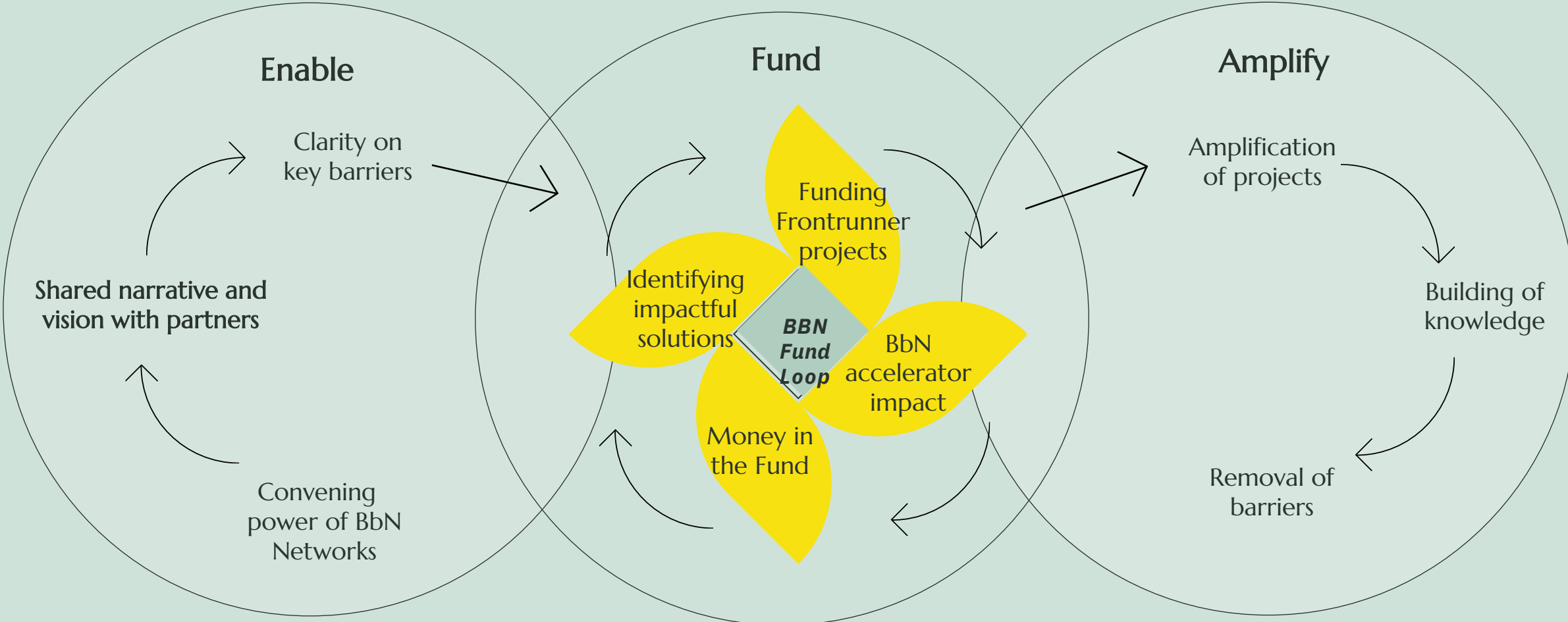
To overcome specific key challenges and achieve our goal we will also need to engage **other enabling players** that can provide innovation and clear pathways to market.



Contractors



Our Strategy



25 Frontrunner Organisations in 12 Countries: Understanding their collective impact

ARUP

ergodomus
the art of timber engineering



CROMWELL
PROPERTY GROUP

BLIC



kiss
house.

au
ar



Oslotre

white

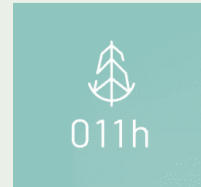
DC
DASOS CAPITAL

BURO HAPPOLD

TIMBER
FINANCE
INITIATIVE
SHAPING THE CARBON SINK BUILT ENVIRONMENT

CRÉE
BUILDINGS

G
GALLAGHER



RAMBOLL

lingotto

ASN BANK

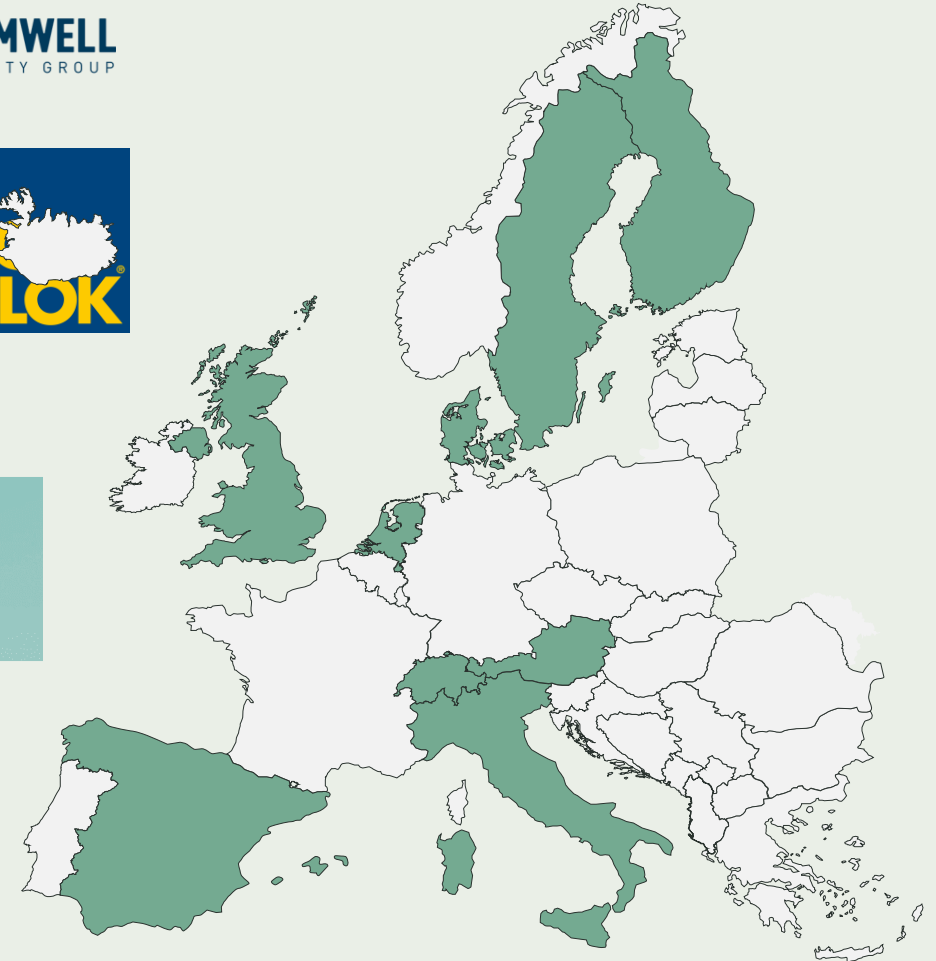
sfä
äri

WAUGH
THISTLETON
ARCHITECTS

REDEVCO

Guallart Architects

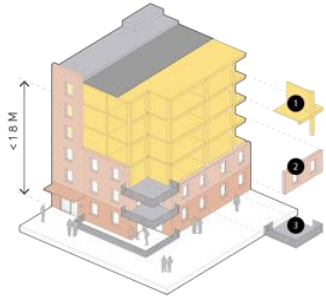
BENNETTS
ASSOCIATES



UK: Solutions Pipeline

- 1. New Model Building
- 2. Mass Timber Insurance Playbook
- 3. Measuring Mass Timber
- 4. Commercial Timber Buildings Guidebook

1. Concluding: Q1 '23



WAUGH THISTLETON
BURO HAPPOLD



2. Concluding: Q2 '23



3. Concluding: Q3/Q4 '23



4. Concluding: Q1 '24



Insurance



Fire



Carbon

NL: Solutions Pipeline

1. Shared Narratives for Timber
2. Circulaw
3. Policies and standards for sustainable timber buildings
4. Construction Stored Carbon Credits *(Proposal Stage)*

1. Concluding: Q1 '23



2. Concluding: Q2 '24



Dark Matter Labs



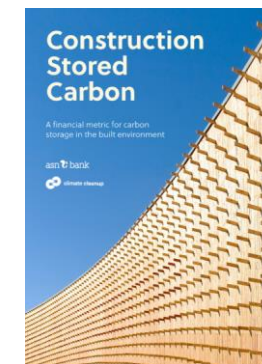
WAGENINGEN
UNIVERSITY & RESEARCH



3. Concluding: Q4 '23



4. Concluding: Q3 '24



climate cleanup



Policy



Capacity



Carbon