



TRANSFORMING BUILDINGS FROM CARBON SOURCES INTO CARBON SINKS

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Context- Why buildings matter

40 % of EU's total emissions

Over 1/3 of the EU's waste

Over 1/3 of energy use

Global perspective

So far, focus on operational emissions



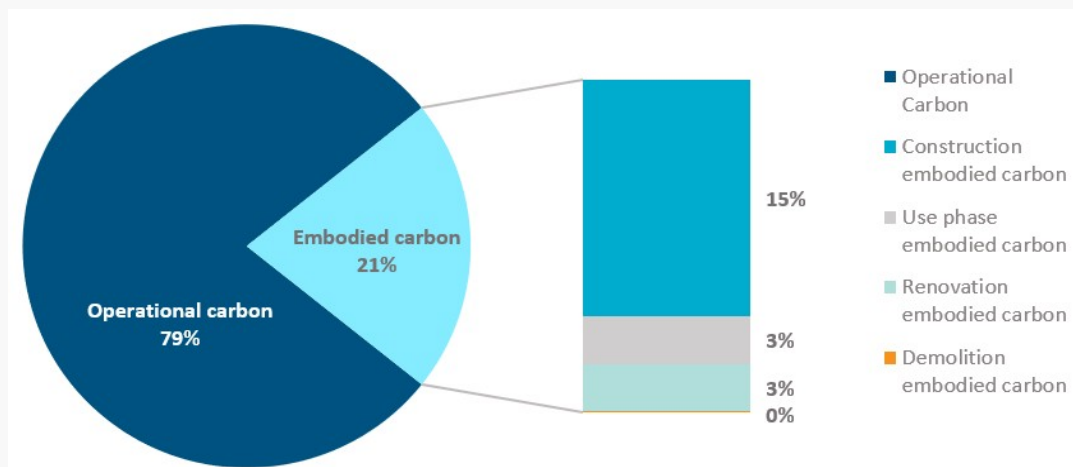
Operational vs. Embodied Emissions

Operational emissions

- Emissions from the use phase of a building
- Currently dominating
- Main focus of policy

Embodied emissions

- Extraction, manufacturing, transport... and end-of-life
- Increasing share
- Switch to Whole Life Carbon Approach



Source: European Commission, 2024

Buildings as a carbon sink

Opportunity to store carbon

Active storage is needed

Long lifespan

Biobased materials

Carbon storing technologies



Caution is advised

Combine with efficiency, circularity and sufficiency

Data gaps remain

Sustainable harvesting

Social aspect



What now?





THANK YOU



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