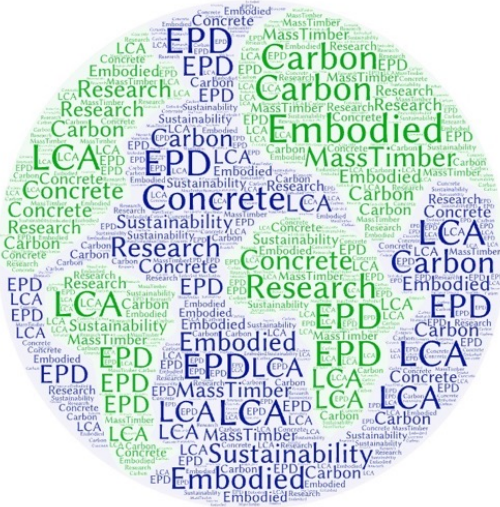


# CARBON REDUCTION IN BUILDINGS: EMBODIED CARBON

## A CONVERSATION WITH ECOS

NOVEMBER 29, 2023



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### Agenda

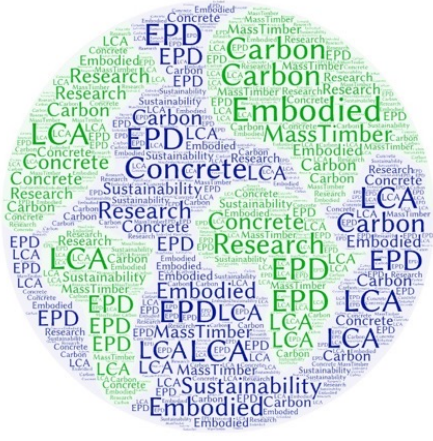
1. Why, What and Who of Embodied Carbon innovations (Joel)
2. How and Where: Embodied Carbon Case Studies (Chris)
3. When and How: Embodied Carbon Regulations (Ida)
4. Discussion

# CARBON REDUCTION - EMBODIED CARBON

“It can take up to 80 years to overcome embodied carbon’s impact through strategies that reduce energy usage or operational carbon; the planet doesn’t have that time...

... embodied carbon must be reduced in addition to operational carbon.”

-AIA California President Scott Gaudineer, AIA <sup>1</sup>



Embodied carbon refers to the greenhouse gases (GHGs) generated by the manufacturing, transportation, installation, maintenance, and disposal of construction materials used in buildings, roads, and other infrastructure. <sup>1</sup>

Some questions:

Beyond Greenhouse Gases, what are the quantities of these key materials?

What is the mass of the materials we generate?

And why is human-accumulated mass important anyway?

<sup>1</sup> [aiacalifornia.org/california-becomes-first-state-to-adopt-mandatory-measures-to-reduce-embodied-carbon/](http://aiacalifornia.org/california-becomes-first-state-to-adopt-mandatory-measures-to-reduce-embodied-carbon/)