



# Mainstreaming Life Cycle Analysis for Buildings and Materials

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# Chemical Sector Project

## CEO Co-Chairs



## Working Group



## Partners



# Energy Efficiency in Buildings 2.0 Project

## Co-Chairs:



## Core Group:



Project member from 2015:  JLL

## Partners:



# Challenge:

- Several sector-by-sector or product-by-product methodologies to define life cycle metrics across the buildings value chain
  - EPDs, PCRs, regional methods, etc.
- Perceived complexity and resource intensity of conducting LCA hinder uptake on a wider scale
  - Lack of data transparency and data availability;
  - Complexity and associated cost
- Increasing need for life cycle information along the value chain to make informed decisions on sustainability throughout the buildings value chain

# Our Journey to Deep Green™

## Skanska Color Palette™ Building



# Proposed Approach

- Global platform to mainstream a consistent implementation of LCA across the buildings value chain
  - Include key materials sectors, designers and developers (e.g. aluminum, steel, timber, chemicals, glass, cement, construction, equipment, etc...)
  - Base will be existing methods/standards/best practices (ISO, EN, EU PEF, etc.)
  - Simplify where possible (core indicators), data sets, ...
  - Harmonized approach across materials
  - Guidance on implementation
  - Encourage move from generic to actual data
  - Show by example

# Next Steps

- Members joining project - Need representation across sectors and geographies
- Landscape review on existing methods to not reinvent the wheel
- Build partnerships with key organizations to develop a collaborative platform

# Key Questions

1. Do you also see the need for this consistent approach to implementing LCA across the buildings value chain?
2. What are we missing?

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