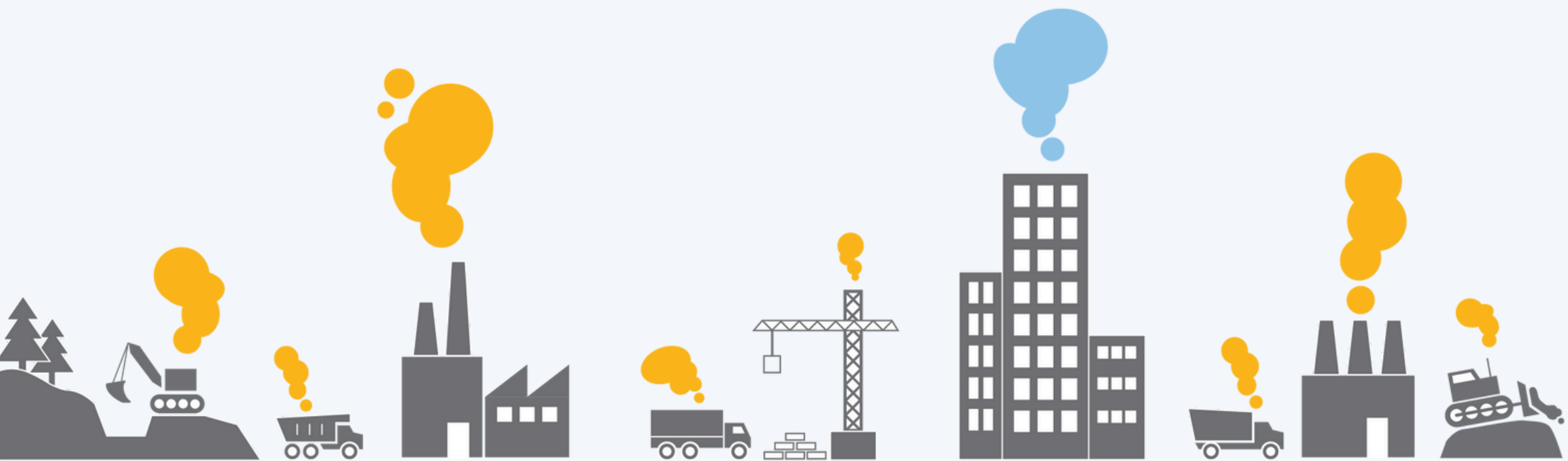


Resource Spotlight

Taking a closer look

CLF Whole Building LCA Benchmark Study v2: Public Dataset



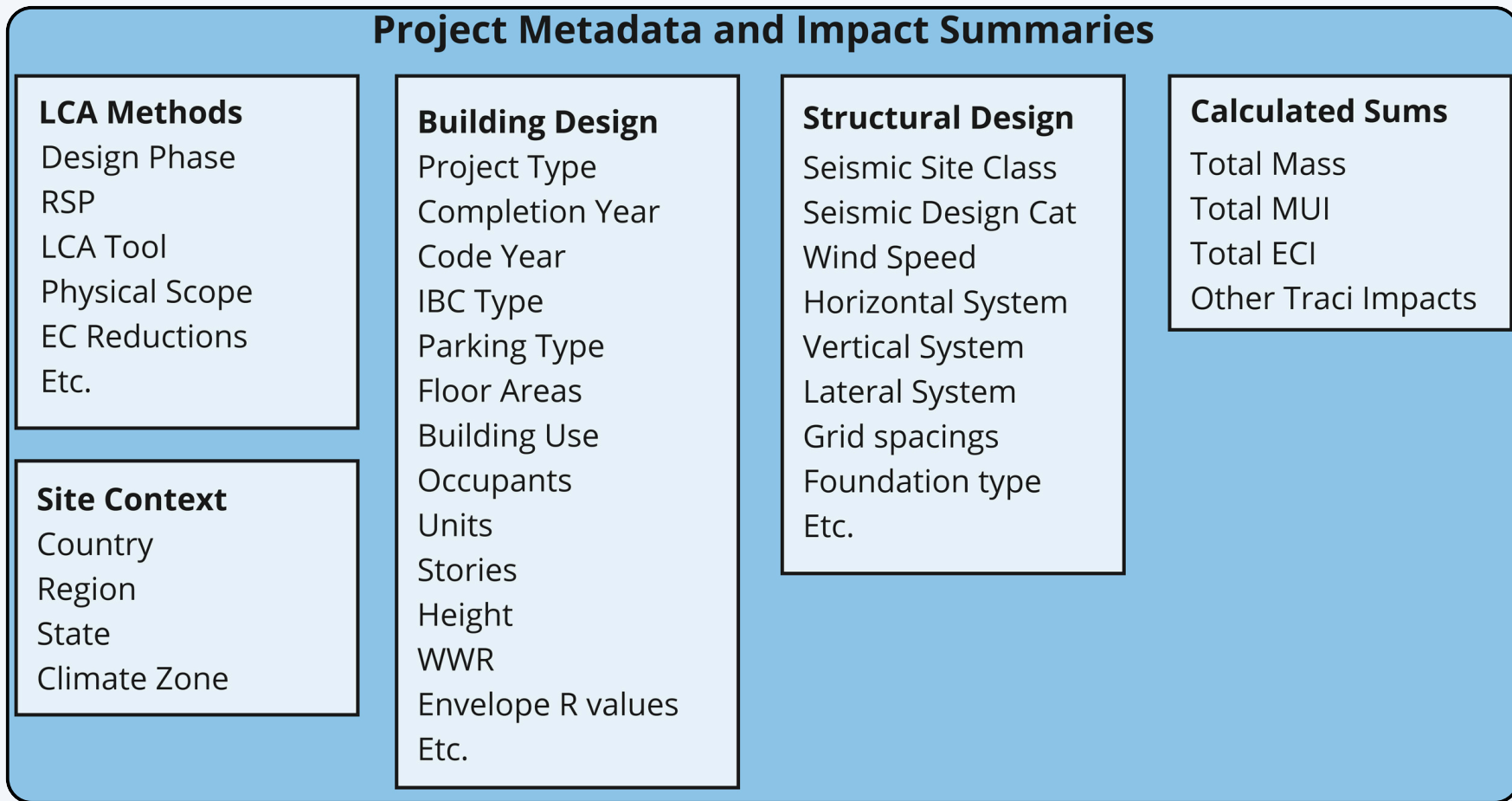
A Harmonized Dataset of High-Resolution WBLCA Results in North America

- ▶ This is a high-resolution dataset of **building design characteristics, life cycle inventories, and environmental impact assessment results** for 292 building projects in the United States and Canada.
- ▶ The dataset **contains harmonized and non-aggregated LCA model results** across life cycle stages, building elements, and building materials **to enable detailed analysis, comparisons, and data reuse.**
- ▶ It includes over 90 building design and LCA features to **assess distributions and trends of material use and environmental impacts.**
- ▶ The data were **crowd-sourced from designers conducting LCAs of real-world building projects.**

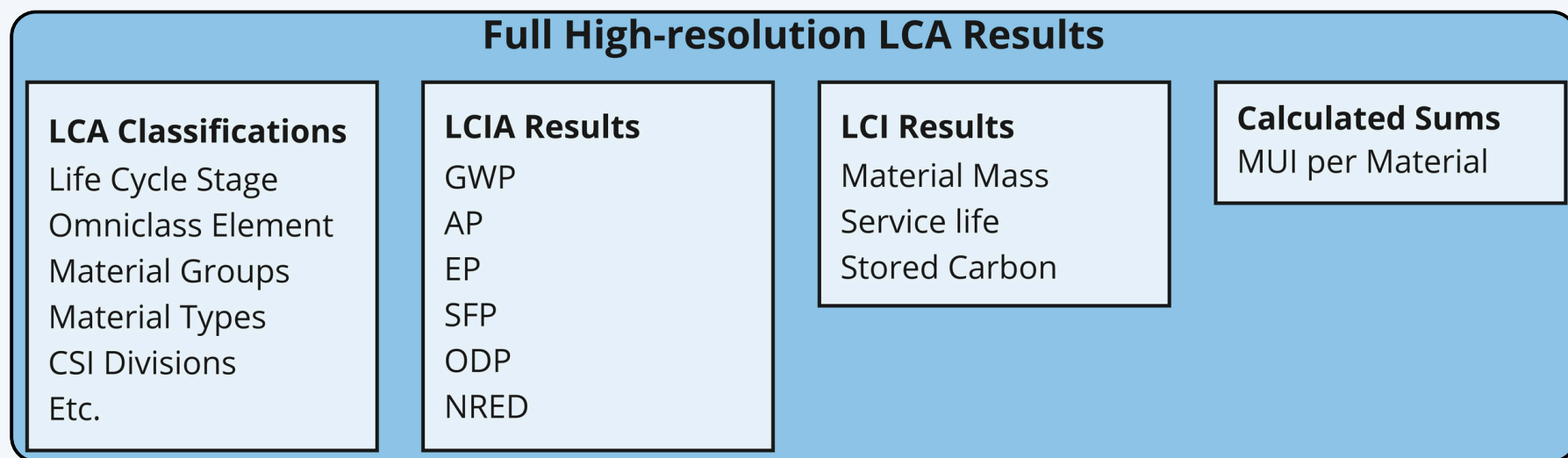


What's Inside?The dataset is composed of two files:

➤ **buildings_metadata.xlsx** ➤ Project characteristics, LCA parameters, and calculated impact summaries including:



➤ **full_lca_results.xlsx** ➤ Full LCI and LCIA results per element material, and life cycle stage of each building project:



Who can use this dataset? And how can you make an impact?

- ▶ The dataset aims to enable designers, owners, researchers, and policymakers to analyze and compare the impacts of buildings, set performance targets, and motivate impact reductions.

Take Action!

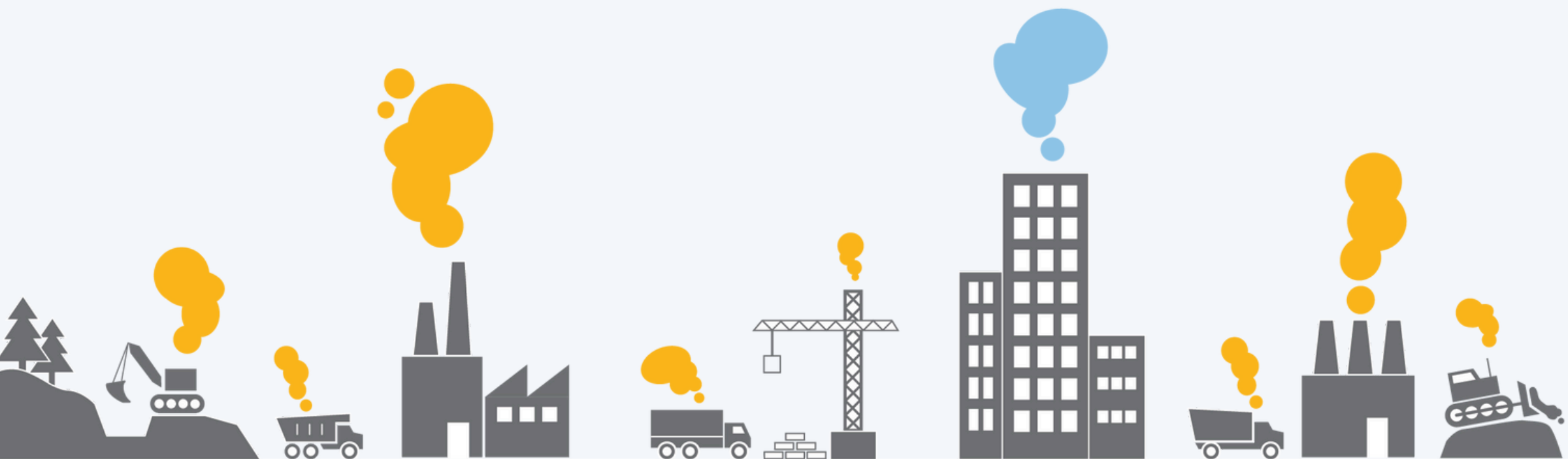
Are you ... » You can use the database to ...

An architect? » filter the data to make highly specific comparisons to your projects

An engineer? » compare the embodied carbon of structural elements and materials

A builder? » understand trends in material use intensity and product impacts

A policymaker? » explore trends and potentials for setting performance requirements



Your Next Steps:

- ▶ **Use the data**
- ▶ **Reduce embodied carbon emissions**

Better buildings for a better planet

The Dataset

- » Download, explore, and create
- » What does it all mean? Read our methodology!

Dive deeper into WBLCA with CLF Resources

- » CLF WBLCA Benchmark Project v2 Webpage
- » California Carbon Report
- » EC Training Video Series Module 4: WBLCA
- » Policy Toolkit 3: LCA 101
- » Architects Toolkit 2: Measuring Embodied Carbon



CLF Carbon Leadership Forum