

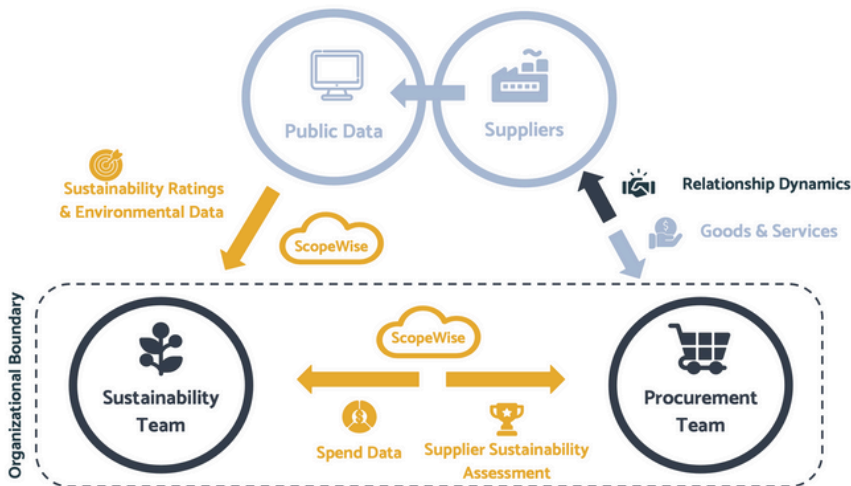
ENVIRONMENTAL PROBLEM



"Scope 3 emissions often account for more than **90%** of an organization's climate impact and are **notoriously difficult to measure**."



Addressing supply chain emissions is one of the most pressing and complex challenges corporations face in their sustainability journey. As stated in the Greenhouse Gas Protocol, "Scope 3 [emissions] can account for over 90% of its total Scope 1, 2, and 3 emissions." Despite representing the vast majority of a company's emissions, these emission sources are notoriously difficult to calculate, as they fall largely outside a company's direct control. Current solutions include time-consuming and tedious accounting through Excel, external consultants, or enterprise solutions that are too expensive for small- to medium-sized companies.



PROCESS

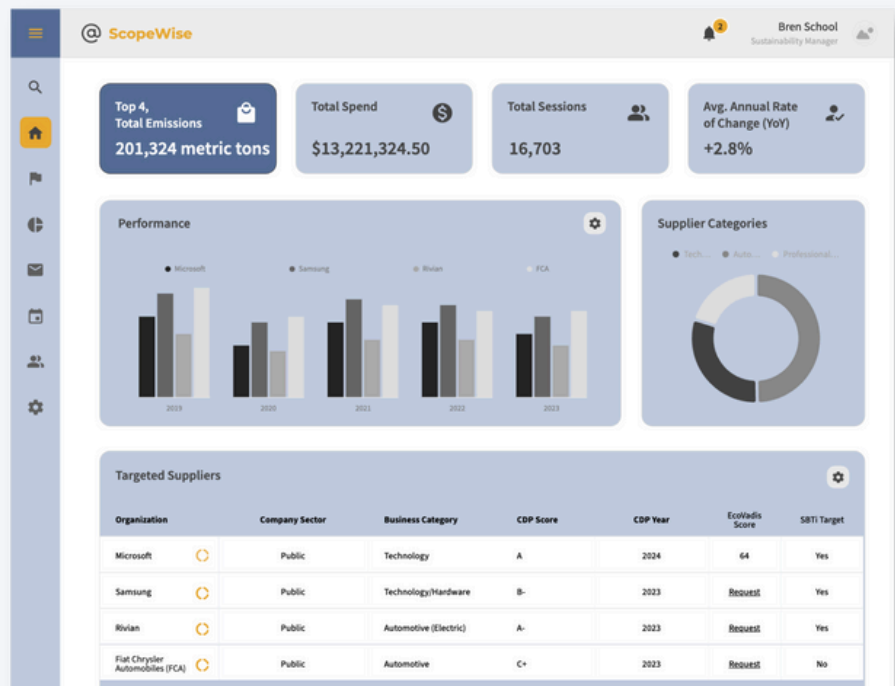
- 1 Procurement data from purchased goods & services is uploaded to ScopeWise.
- 2 ScopeWise analyzes data to determine top suppliers.
- 3 ScopeWise collects public supplier emissions data to determine performance.
- 4 Sustainability team gains insight into supplier emissions, targets, & reduction progress.
- 5 Procurement team receives supplier engagement strategy recommendations.

THE SOLUTION

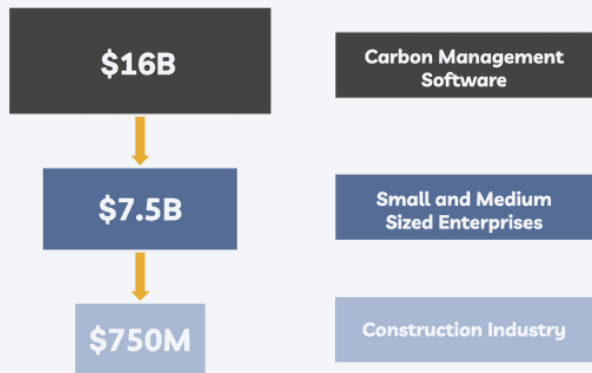
ScopeWise is a platform that tracks supplier ESG performance to improve data transparency and accuracy along value chains

Through the aggregation of publicly available environmental data, ScopeWise assesses and prioritizes supply chain partnerships to optimize supplier engagement strategy.

ScopeWise provides transparency and accountability for both sustainability managers and their value chain partners, serving as a tool that replaces manual and time-consuming processes in supplier assessment and sustainable procurement.



MARKET OPPORTUNITY



The carbon management software market was valued at \$16B in 2024 and is rapidly growing at 10–28% annually.

ScopeWise targets a \$7.5B market opportunity by focusing on small and medium-sized enterprises (SMEs) within the construction industry—one of the highest-emitting and hardest-to-decarbonize sectors.

MARKET VALIDATION

"Companies want to validate their own emissions reductions through verified supplier reductions."

87 Interviews

"Supplier engagement is the most difficult part of emissions reporting. If this process was simpler, emissions reporting would take hours, not months."



CLIMATE CORPS

In the last two years, **56 out of 220** EDF Climate Corps project requests (~25%) have been for **Supplier Engagement and Scope 3**

THE IMPACT

Emissions Measurement & Management:

The first step to reduction is accurate measurement of GHG emissions. ScopeWise identifies sources of Scope 3 emissions and highlights opportunities for decarbonization.

Supplier Engagement:

Reducing supply chain emissions begins with engaging suppliers. ScopeWise provides an assessment of individual supplier performance and targeted engagement strategies for procurement and sustainability teams.

Science-Based Net Zero Targets:

Over 4,200 companies have set science-based net zero targets, which is 39% of global market capitalization. ScopeWise compares progress across suppliers with established targets.



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Transparency & Accountability:

ScopeWise increases transparency and accountability within a supply chain and amongst competitors.

Article | [Open access](#) | Published: 21 January 2025

Limited accountability and awareness of corporate emissions target outcomes

Xiaoyan Jiang, Shawn Kim & Shirley Lu

Nature Climate Change (2025) | [Cite this article](#)

TEAM

CHELSEA SANFORD
chelseaasanford@bren.ucsb.edu
LAWRENCE BALITAAN
lbhalitaan@bren.ucsb.edu
JAKE COSMO
jcosmo@bren.ucsb.edu
JACQUES REBIBO
jacques_rebibo@bren.ucsb.edu



ADVISORS

EMILY COTTER
KYLE MENG (F24-S25)
CHARLES KOLSTAD (S24)



UC SANTA BARBARA
Bren School of Environmental
Science & Management