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### **Executive Summary**

Today, the way emissions and deforestation data is collected and reported is fragmented. Retailers ask for different metrics, in different formats, using different methodologies - creating inefficiencies for suppliers and retailers and limiting the usefulness of the data collected.

The **Common Data Framework (CDF)** solves this by creating a shared foundation for what emissions and deforestation data retailers request and how they use it. Developed by the Climate Transition Coalition, the framework focuses on the most critical metrics: **Scope 3 category 1 emissions** and **deforestation- and conversion-free (DCF) sourcing**.

Designed to meet retailers where they are, the CDF provides a **transitional roadmap** with clear guidance on:

- What the most common use cases are for emissions and deforestation data
- What level of detail in reporting is required to support those use cases
- How to validate the data retailers collect and lay the groundwork for harmonization
- Which KPIs to measure internally

By aligning leading retailers around common standards, the CDF takes the **first step to reduce reporting burden**, **improve data quality**, and accelerate action across global value chains.





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- Case for Action
- The Common Data Framework
- Next steps for retailers





### **Case for action**





## Retailers today face an increasingly complex array of regulatory requirements and business use cases for sustainability data

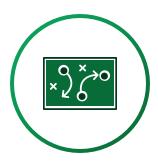
#### Primary drivers for data collection & impact measurement



**Exacting regulations** 



Growing landscape of voluntary commitments



**Evolving strategic implications** 



Dynamic asks from investors & the public



To meet internal & external needs, retailers' supplier data requests must **communicate expectations** on what suppliers should be measuring, enable retailers to **accurately calculate** their own emissions, and shape retailers' **supplier engagement strategies** 





## Retailers have taken varying approaches to data collection...

Variance across retailers' customized sustainability data requests includes:

- Calculation methodologies differ some require supplier data collection, others don't – and are often not specified at all
- Many retailers use a mix of various internal and external questionnaires to try to achieve a complete picture
- Lengths range from 1 to 150+ questions
- Topic coverage may be holistic or singularly focused (e.g., only packaging)

## ...resulting in overwhelmed suppliers and inaccurate and incomplete data



#### Suppliers become overwhelmed, unresponsive

"Suppliers haven't been very responsive, so we need changes in the process to get higher response"



#### Data is inconsistent due to varying requests

"We send a lot of ad hoc requests to our suppliers... which can vary considerably"



#### **Key information is missed**

"Our current questions are very limited and not enough to cover what we need from our suppliers"





## Analysis reveals significant opportunity to streamline and harmonize retailers' customized supplier data requests

	Survey respondents (CGF retailers) — $n=13$ ; 2 are not requesting any data from suppliers												
Sample Metrics (not exhaustive)	Variations	Α	В	С	D	E	F	G	Н	1	J	K	•
1a. Supplier's annual metric tons CO2 equiv. – scopes 1 & 2	metric tons,	<b>~</b>	~	×	<b>~</b>	<b>~</b>	×	<b>~</b>	×	×	<b>~</b>	×	
1b. Supplier's annual metric tons CO <sup>2</sup> equiv. – scope 3, incl. FLA	tons, kg	~	~	×	×	<b>~</b>	×	~	×	×	~	<b>~</b>	
2a. Supplier's emissions intensity – product level, or LCA		×	×	×	×	<b>~</b>	×	×	×	×	×	×	
<b>2b.</b> Supplier's emissions intensity – category level	S1+2/ton product, unsp.	<b>~</b>	×	×	×	<b>✓</b>	×	×	×	×	×	×	
2c. Supplier's emissions intensity – company level	S1+2/sales, unspecified	<b>~</b>	<b>~</b>	×	<b>~</b>	×	×	<b>~</b>	×	×	×	×	Most mo
	data for all products er any at-risk regions	<b>,</b>	×	×	×	×	×	?	<b>~</b>	×	×	<b>~</b>	for sup
4. Verification of product sustainability claims	Any verifications vs specific ones	<b>~</b>	×	<b>~</b>	×	×	×	?	<b>~</b>	×	<b>~</b>	?	emiss
5. Supplier's food loss rate		?	?	×	×	×	×	?	?	×	<b>~</b>	?	redu target
6. Supplier's energy sources	"Green" vs. specific types	?	<b>~</b>	×	×	•	×	?	<b>~</b>	×	<b>~</b>	?	SBTI s
7. Packaging component material types and amounts		?	?	×	×	?	×	?	<b>~</b>	×	×	•	
8a. Supplier's emissions reduction target – scopes 1 & 2	Scopes 1 & 2 only,	<b>~</b>	~	×	<b>~</b>	~	×	×	<b>~</b>	×	~	×	
<b>8b. Supplier's emissions reduction target</b> – <i>scope 3, incl. FLAG</i>	all scopes	<b>~</b>	<b>~</b>	×	×	~	×	×	×	×	V	<b>~</b>	
9. Science-based Targets Initiative approval status		<b>~</b>	~	~	×	<b>~</b>	V	×	×	×	×	V	
10. Supplier's implementation roadmap(s)		<b>~</b>	•	×	×	×	×	×	<b>~</b>	×	×	×	
Total number of questions to answer		45	22	2	4	20	1	102	150+		45	Unclear	
External frameworks/tools used (not reflected in table)		CDP SC <sup>1</sup>		HowGood CO2.AI					CDP SC <sup>1</sup>	CDP SC <sup>1</sup> HIGG FEM			_
1. CDP Supply Chain			Legend	<ul> <li>Asks suppliers for this data</li> <li>Does not ask suppliers for this data</li> </ul>				6					

To be confirmed

Sources: Retailer taskforce member companies' supplier surveys, 2024; BCG analysis





# Intro to the Common Data Framework





## The Common Data Framework (CDF) adheres to a set of core principles



#### Start with a small number of metrics with the option to expand

Initial iteration will ask for the most critical few sustainability metrics rather than cover all metrics



#### Meet retailers where they are in their sustainability journey

Metric collection is flexible to umps companies' varying sustainability maturity levels and strategic use cases



#### **Support emerging regulatory requirements**

Transitional roadmaps will facilitate retailer compliance with emerging regulatory standards



#### Do not add to suppliers' and retailers' reporting burden

Framework will recommend collecting a limited number of data points directly aligned to retailers' use cases





## Transitional roadmaps align data collection methodology to retailer maturity on two priority metrics

### Two priority metrics for the framework's first iteration:



#### **Emissions reduction**

Scope 3 category 1 emissions, capturing the supply chain footprint of all purchased goods



#### **Deforestation-free sourcing**

Share of purchased goods that meet deforestation- and conversion-free (DCF) criteria

Additional industry decarbonization levers will be added over time

One roadmap enabling all retailers to adopt the CDF no matter where they are on their reporting journey:

Maturity level	Foundational	Expanded	Granular							
Strategic use case(s)	What the retailer can unlock at each maturity level									
Reporting level	Level of detail required to inform strategic use cases									
Verification	Assurance needed to be credible with stakeholders									
KPIs	Metrics to help leaders manage performance & tradeoffs									
Example	Examples of how better data enables smarter action									





### Transitional roadmap for upstream emissions reporting ranges from corporate-level overall emissions to full product carbon footprints

- engagement with suppliers
- access to decarbonization levers

- + engagement with suppliers
- + access to decarbonization levers

Moving right increases insight, but also complexity and reporting burden - retailers should advance only when aligned with strategic goals

#### **Maturity level Foundational Expanded** Granular Collaborate with specific suppliers to Show product-level reductions vs. baseline Establish an initial emissions baseline Develop **CSRD-compliant roadmaps** identify improvement opportunities Partner with the supply base on **precision** Strategic (estimate-based) • Demonstrate supplier-specific reductions interventions informed by SKU-level data use case(s) Leverage existing data to engage in broad against baseline • Strengthen relationships with top suppliers and optimize low-emissions assortment engagement with the supply chain • Retailer: emissions calculated using spend or • Supplier: emissions calculated using • Product (PCF): emissions calculated using activity-based methods combined with supplier-provided emissions data and supplier-provided product-specific data, Reporting level industry-average emission factors, typically by validated by credible 3rd party including raw materials, sourcing locations, category; no supplier engagement required and LCA models Supplier-submitted and 3<sup>rd</sup> party reviewed Product-specific factors and LCAs fully Self-reported retailer procurement metrics<sup>1</sup> Verification Credible outside-in global emissions factors<sup>2</sup> emissions factors audited and certified Emissions intensity by category<sup>3</sup> Emissions intensity by category Emissions intensity by product **KPIs** Total emissions (MT CO<sup>2</sup>e) Total emissions (MT CO<sup>2</sup>e) Total emissions by product (MT CO<sup>2</sup>e) Precision intervention<sup>4</sup> **Broad engagement Collaborative improvement** Retailer uses category-level emissions factors and Retailer augments category-level factors with dairy SKUs. Retailer confirms 20% higher

#### Example

identifies dairy as a high-emissions hotspot within the business. Retailer then initiates categorywide conversations to explore general Dairy decarbonization levers

supplier-specific emissions data. The retailer then co-creates action plans with leading emitters using best practices from top performers in the category

Private-label suppliers provide PCFs for specific footprint for one yogurt SKU due to methane emissions. Supplier and retailer align on a corrective action plan, targeting sourcing & farmlevel intervention

<sup>1.</sup> Includes purchase data in \$ spend, weight/volume (kg, tons, L), or item count (e.g., cases, packs); 2. Emission factors from trusted sources (e.g., DEFRA, EPA); 3. MT CO₂e per \$ or total weight; 4. PCF values only comparable when using harmonized methodologies; Note: Focuses on Scope 3, Category 1 (purchased goods); Scope 1 & 2 managed separately; level of data aggregation requested from suppliers is out of scope of this framework and may vary based on retailer strategic priorities





### Transitional roadmap for DCF reporting varies to accommodate different levels of traceability and sustainability needs

- engagement with suppliers
- access to DCF levers

- + engagement with suppliers
- + access to DCF levers

Moving right increases insight, but also complexity and reporting burden - retailers should advance only when aligned with strategic goals

### **Maturity level**

#### **Strategic** use case(s)

#### **Reporting level**

Verification

**KPIs** 

Example

#### **Foundational**

- Develop initial deforestation roadmap
- Meet basic voluntary commitments (e.g., zero deforestation requirements for own brands)
- · Commodity or supplier: data aggregated at supplier or key commodity<sup>1</sup> level
- Self-reported
- Type 2 environmental self-declaration
- % of sold products progressing toward DCF by key commodity<sup>1</sup>

#### Meet basic voluntary commitments

Retailer gains initial view on share of high-risk commodities purchased and, in some cases, variation of DCF practices among suppliers, but lacks third-party validation as source of truth

#### **Expanded**

- Improve transparency for customers and mitigate reputational risk
- Make more informed sourcing decisions by prioritizing suppliers delivering certified volumes
- Commodity or supplier: data aggregated at supplier or key commodity<sup>1</sup> level
- Type 1 (Ecolabel) or Type 3 (Environmental Product Declaration) third party certification
- % of sold products DCF certified by key commodity by supplier

#### Improve transparency

Retailer reports that its palm oil comes from regions with deforestation risk, but 80% is 3<sup>rd</sup> party certified (allowing mixing with non-certified sources, as full segregation is not yet achievable)

#### Granular

- Prepare for compliance with select regulatory & voluntary standards (e.g., EUDR. SBTi FLAG)
- Use origin-level data to strengthen decisionmaking and mitigate reputational risk
- Measure carbon abatement from DCF
- Origin: data aggregated at land-plot level for relevant commodity volumes
- Satellite imagery, LiDAR, geospatial data
- Chain-of-custody third party certification
- % of sold products DCF certified
- Ha of land under deforestation-free sourcing

#### Ensure compliance with regulatory standards

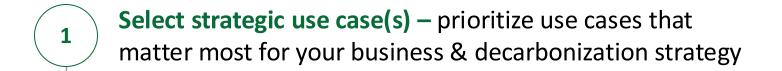
Supplier provides traceability data for EU palm oil down to farm-level origins. Retailer sees that a specific supplier sources from farms linked to deforestation and adjusts procurement strategy

Land scapes reporting will be addressed in future iterations of the Common Data Framework; for guidance on land scapes, please reference Forest Positive Coalition resources





# How retailers can put roadmaps into action



- ldentify relevant reporting level match the level of data detail to your goals without overburdening suppliers
- Implement required verification determine what level of verification your use case demands
- Track against priority KPIs measure progress against KPIs to track progress and enable decision-making

These four steps help retailers tailor the Common Data Framework to their needs, driving actionable insights without overburdening teams or suppliers





## Next steps





### Next steps for retailers and the Common Data Framework

#### **Commit to using the Common Data Framework**

Anchor your emissions and deforestation data collection to a common standard adopted by leading retailers

#### Assess your current maturity and develop your data strategy

Identify where you are today on the CDF roadmap - and define what progress looks like for your business

#### Partner with peers to advance your decarbonization journey

Join Climate Coalition-led workshops to learn from other retailers and advance together along the transitional roadmap

#### **Shape the future of the Common Data Framework**

Join the governance group driving the evolution of the framework in the months and years ahead

Available exclusively for Climate Transition coalition members

