

## MIT CTL – CSCMP 1st Annual Report

Alexis Bateman with Yin Jin Lee, Laura Allegue, Ashley Barrington, Suzanne Greene, & Carson Collard (MIT)

Donna Palumbo-Miele – Sustainability Committee Lead (CSCMP)



### Presentation Agenda

- Welcome and impetus for this work
- Exploring the State of Supply Chain Sustainability
- Main Learnings
- Covid-19 & Supply Chain Sustainability
- Q&A

But first, why are you here? Poll #1





### State of Supply Chain Sustainability

- Joint MIT CTL Council of Supply Chain Management Professionals (CSCMP) initiative
  - Exploring supply chain sustainability annually
  - Survey, interviews, content analysis
  - Conducted annually
- What is the state of supply chain sustainability in 2019?
- Contribution: annual gauge to better understand key issues and directions in supply chain sustainability; track change over time
  - Official release July 1, 2020
  - New data collection to begin September 2020
- What will sustainability look like post Covid-19?

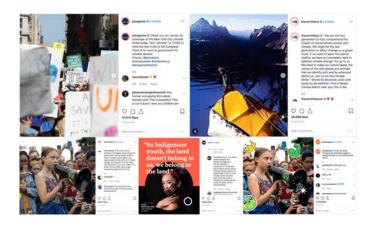




## Direct and indirect pressures on supply chain











### Sustainability highlighted as a key focus moving forward



### **Supply Chain Brief**

3 Supply Chain Trends to Keep an Eye on in 2020

#### Sustainability on the agenda

Companies are increasingly under pressure to become more green. Moving past waste, water, and C02 reduction, they have begun searching for renewable energy sources, different forms of packaging, and increased efficiency overall. More and more



#### 5 Trends Set To Disrupt Global Supply Chains In 2020

The reality of climate change and consumer demand for ethically sourced products will drive sustainable supply chains

Poll #2





## **Data Collection & Methods**



### Primary and Secondary Data







#### State of Supply Chain Sustainability Interview

Thank you for taking the time to speak with us to contribute insight to a forthcoming report on supply chain sustainability. This report, a cooperation between the MIT Center for Transportation and Logistics and the Council of Supply Chain Management.



Source	Article Title	Source Type	Link	Overall Sentiment	Carbon Emmisions and Climate		Change	
					Theme Present?	Sentiment	Summary	Theme Present
Forbes	Corporate Responsibility: What To Expec	News Article	https://www.f	Positive (99.9)	Yes (Mentioned)	Neutral (53.3)	Conversatio	No
Cone	The Top Ten Trends in CSR Reporting in 2	News Article	https://www.c	Positive (85.8)	Yes (Major Them	Negative (51.6%)	Climate cha	No
BSR	Emerging Trends in Supply Chain Sustaina	News Article	https://www.b	Positive (90.2)	No			No
McKinsey & Company	Starting at the source: Sustainability in su	News Article	https://www.r	Neutral (77.1)	Yes (Major Them	Negative (89.9)	Reletively fe	Yes (Mentioned)
UPenn	Greening the Supply Chain: Best Practice:	Published Report	https://igel.wh	Positive (51.5)	Yes (Major Them	Negative (81.7)	The majorit	No
Enablon	Sustainable Supply Chains and the 7 Tren	News Article	https://enablo	Neutral (77.9)	No			No
The Fifth Estate	The 6 Key Trends in Supply Chain Sustain:	News Article	https://www.t	Positive (89.3)	Yes (Mentioned)	Neutral (75.8)	Companies	No
University of Naples	Environmental Sustainability and Energy-	Research (Meta-Analysis)	https://www.r	Neutral (89.6)	Yes (Mentioned)	Positive (57.9)	Climate agre	Yes (Mentioned)
Forbes	Companies Look To Supply Chains For Sustainability Gains	News Article	https://www.f	Positive (84)	Yes (Major Them	Negative (98.9)	Suppliers wi	No
Research Gate	Core Issues in Sustainable Supply Chain N	Research (Meta-Analysis)	https://www.r	Positive (82.3)	No			No
IUCN	The Future of Sustainability: Re-thinking Environment and Development	Published Report	https://www.d	Neutral (78.7)	Yes (Minor Them	Positive (74.9)	The climate	Yes (Mentioned)
Essays on Sustainability	y Sustainable Supply Chain Management: #	Research (Company Analysis	https://www.c	Positive (98.4)	Yes (Mentioned)	Positive (63.7)	Low carbon	Yes (Mentioned)
	Measuring the Sustainability of Global u Supply Chains: Current Practices and	Research (Target Analysis)		Positive (76.8)	Yes (Mentioned)	Neutral (42.9)	Most efforts	Yes (Mentioned)

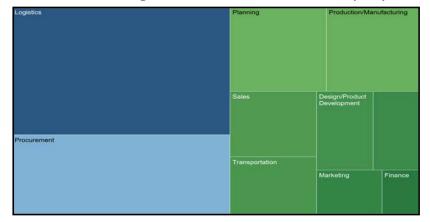




### Surveyed Participants

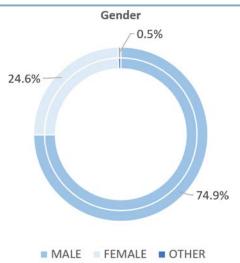


- 1,128 responses
- 71 countries
- Over 15 industries
- Covering markets in the 5 continents
- 65% privately held and 35% publicly held companies
- Firm size ranges from 10 50,000 employees

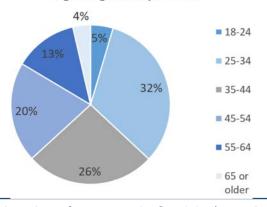


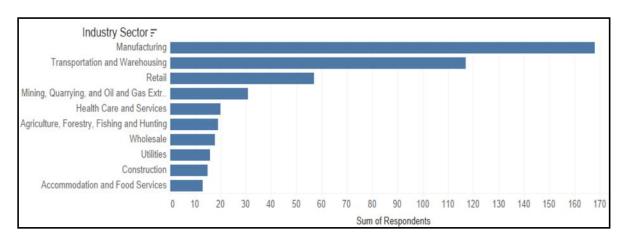


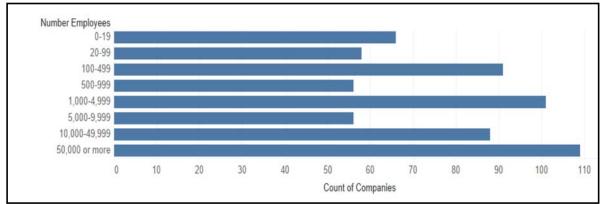
### **Survey Participants**















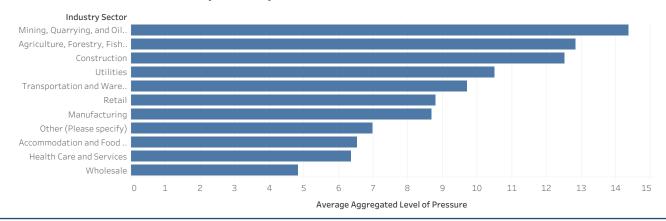
# **Snapshot of Learnings**



### Pressure is diffuse across stakeholders

	<b>Primary Consumer Markets Location</b>						
	Africa	Asia	Europe	Latin America and Carribean	North America		
Corporate Buyers	2.2	2.1	1.6	2.1	2.3		
Employees	2.1	2.1	1.7	1.6	1.9		
End Consumers	2.3	2.3	2.3	1.9	2.2		
Executives	2.6	2.6	1.7	1.8	2.3		
Government	2.8	2.4	1.7	2.2	1.6		
Industry Associations	2.4	2.1	1.5	1.4	1.7		
Investors	2.6	2.2	1.4	1.8	2.0		
Local Communities	2.4	2.0	1.3	2.2	1.5		
Mass Media	2.6	2.0	1.8	2.0	1.7		
NGO	2.5	2.1	1.4	1.4	1.9		

#### Level of Pressure Received by Industry Sector





### Perspectives on Pressure

"I think pressure (for supply chain sustainability) has definitely increased significantly in the last two years... key customers have higher expectations than what's in the regulatory schemes." -VP of Sustainability, Fortune 500 Electronics Firm

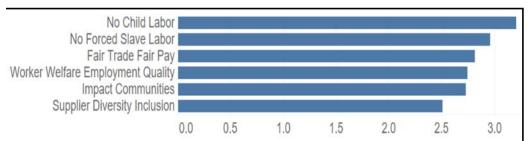
"Awareness of where environmental impact rests in the apparel supply chain is increasing." -VP Sustainability for Fortune 500 Apparel Co.

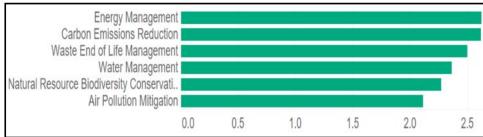
"Used to be name and shame from NGOs, journalists exposing companies in the 1990s and early 2000s. Pressure has increased but it is a different type of pressure... (coming from multiple sources)." –VP Supply Chain & Manufacturing, Apparel Startup

"We have seen a significant increase in consumer and retailer engagement around citizenship and sustainability over the last 5 years." **Supply Chain Sustainability Leader, Fortune 500 CPG Co.** 



### Goals & Investments









### Most Common Practices Across Industries

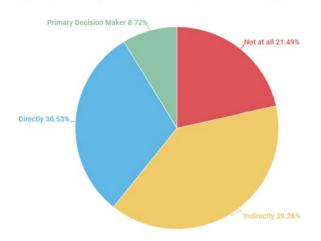
Industry	Number One Practice Category	Number Two Practice Category
Accommodation and Food Services	Sustainability Standards Certifications	Supplier Benchmarking Environmental Impact Assessment Audit
Agriculture, Forestry, Fishing, and Hunting	Code of Conduct	Sustainability Standards Certification Supply Chain Mapping Supplier Audit
Construction	Audit Material Traceability	Code of Conduct Sustainability Standards Certification
Health Care and Services	Code of Conduct Due Diligence	Supplier Collaboration Sustainability Standards Certification
Manufacturing	Code of Conduct	Supplier Audit
Mining, Quarrying, and Oil and Gas Extraction	Code of Conduct	Supplier Audit
Retail	Code of Conduct	Sustainability Standards Certification
Transportation and Warehousing	Code of Conduct	Supplier Training Environmental Impact Assessment Supplier Benchmarking Supplier Audit.
Wholesale	Code of Conduct Due Diligence	Supplier Collaboration



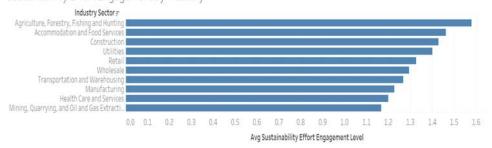


### The role of supply chain professional is changing

#### Are you engaged with your firm's sustainability efforts in the supply chain?



#### Sustainability Effort Engagement by Industry



- Over ¾ of surveyed supply chain professionals are directly or indirectly involved in sustainability
- "Supply chain professionals are really on the front lines... And so just from the standpoint of effective management, they are really the individuals who should be pursuing many of these types of initiatives." VP of Sustainability, Fortune 500 Electronics Co.



### Supply Chain increasingly "owns" sustainability @ exec levels

"More supply chain executives "own" sustainability than ever before." Client Executive, Supply Chain Research Group

"Most of the Executives from Supply Chain, Logistics or Transportation that we work with have Sustainability as one of their top items on the development agenda." **Executive Recruiter** 

"Some of the best sustainability leaders come from within the supply chain." Supply Chain Sustainable Leader, Fortune 500 CPG Co.





# Entering 2020 and the era of Covid-19



What will Covid-19
mean for supply
chain sustainability?

BBC News

Will Covid-19 have a lasting impact on the environment?

FT Financial Times

Coronavirus poses 'acid test' for conscious capitalism; climate pressure continues

Forbes

Pandemic, Plastics And The Continuing Quest For Sustainability

#### **POLITICO**

Emissions are down thanks to coronavirus, but that's bad

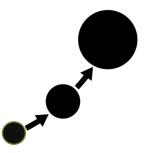




## Supply Chain Sustainability: From Peak to Purpose

A NEW PEAK

2019



Growing sustainability recognition adoption

**DISRUPTION** 

2020



Pivoting supply chain for response and mitigation

RECOVERY & REDESIGN

2021



Redesigning supply chains for recovery and future

A NEW PURPOSE

2022+



From recovery to purpose





### Key Findings

- Pressure is growing
  - Pressure is diffuse across areas
  - Media plays a role
- Clear differences across industries in commitment, investment, and approach
  - Loftier goals that don't match perceived investment
- Practices are limited in supply chain scope
  - Code of Conduct is standard, further engagement is still limited
- The role of the supply chain professional and executive is changing
  - Professionals not engaged fully but growing role
  - Supply chain owning sustainability at senior levels
- 2020 will look much different than 2019
  - Likely a greater focus on safe, fairly paid, and equitable labor
  - Traceability & transparency to enable both risk management and sustainability





### State of Supply Chain Sustainability 2020 – Q&A with Donna

With what we have seen in the data, why is it important to track change in supply chain sustainability over time?

Knowing that the role of the supply chain professional is changing, how can professionals equip themselves moving forward?

How do you think supply chain sustainability will change in a period of recovery from COVID-19?

Poll #4





# Thank you! Questions?

