

Welcome to

"Sustainability Research at the Strategy-Supply Chain Interface: Current Work and Future Agenda" PDW

Saturday, August 10th, 2019 Organizer: Verónica H. Villena (Pennsylvania State University)

PDW Outline

• 10:00-10:05: Intro

• 10:05-10:40: Segment 1:

Presentations

• 10:40-11:10: Segment 2:

Discussion

• 11:10-11:30 Segment 3:

Group discussion



Speakers/Discussants

Speakers:

- Craig Carter, Professor of Supply Chain Management, Arizona State University
- Dennis Gioia, Robert & Judith Klein Professor of Management, Pennsylvania State University
- Robert Klassen, Magna International Inc. Chair in Business Administration, Western University
- Michael Toffel, Senator John Heinz Professor of Environmental Management, Harvard University

Discussants:

- Glenn Hoetker, Helen Macpherson Smith Trust Chair of Leadership for Social Impact, Melbourne University
- Verónica H. Villena, Assistant Professor of Supply Chain Management, Pennsylvania State University



Segment 1: Presentations

Craig Carter
Denny Gioia
Robert Klassen
Mike Toffel



A Ticking Time Bomb Managing Sustainability in Lower-Tier Suppliers

Verónica H. Villena

Denny Gioia

"The demon in this place is the [lower-tier] suppliers that I know the least about... I don't have control over the ones that pose the highest risks, so I'm losing sleep over them."

Purchasing director of an American automaker (2015)

Questions that deserve answers (RQs)

- Are lower-tier suppliers (the suppliers' suppliers) risky members of the supply network? If so, why?
- How can businesses manage sustainability concerning their lower-tier suppliers?

Findings: Challenges in managing lower-tier suppliers

- Uncontrollable. There's very little influence over how they act
- Invisible. We often don't even know who these suppliers are
- Untouchable. Often located in countries where social and environmental regulations are lax or non-existent, so they simply don't care about sustainable practices
- **Dangerous.** Know they can get away with murder

Lower-tier suppliers are precarious

Are they proactive concerning sustainability? No not at all. Are they reactive? No, not even that.

They are <u>passive</u> about labor/environmental issues, because they know there is almost no risk of being penalized for ignoring the 3Ps

P1 [profit], yes; P2 [people] & P3 [planet], no.

They don't care about sustainability because they know they don't need to care about sustainability

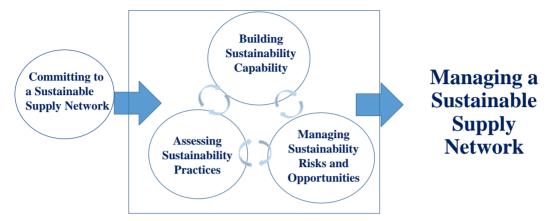
Are they a ticking time bomb just waiting to go off? Oh, yes . . . They are unquestionably the weakest link in the supply chain

So ... What can we do to manage the problem?

Learn from those who are actually trying to manage the problem (at least at the Tier-1 level, where MNCs know a lot about managing suppliers) i.e.

Build a grounded model out of MNCs' best sustainability practices.

A Grounded Theory Model of Managing a Sustainable Supply Network



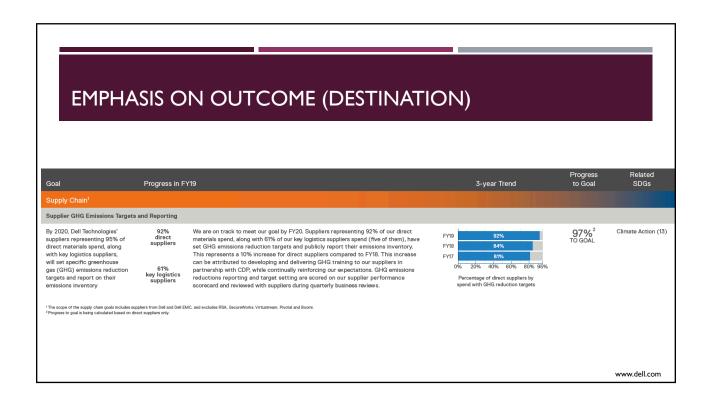
Here is the link to the article:

https://www.onlinelibrary.wiley.com/doi/10.1016/j.jom.2018.09.004

MORE SUSTAINABLE SUPPLY CHAINS: IS THE JOURNEY MORE IMPORTANT THAN THE DESTINATION?

Robert Klassen, Jury Gualandris, and William Diebel







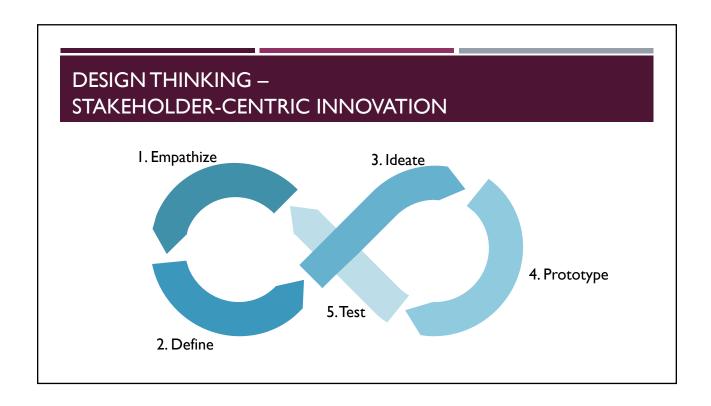
WHAT IS THE JOURNEY FORWARD?

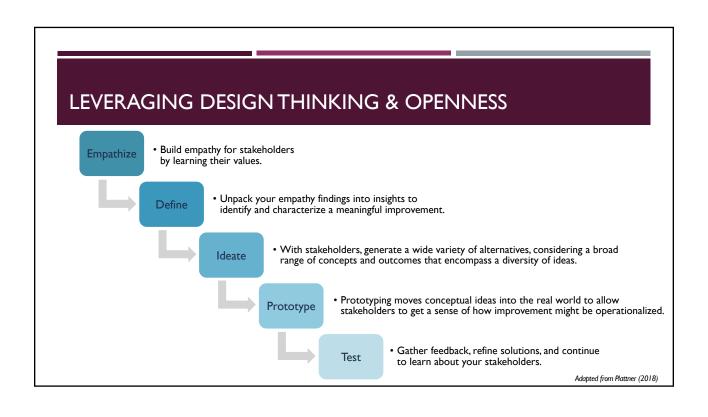
- The journey seems simple:
 - strategically prioritize improving sustainability outcomes
 - expand sustainable sourcing
 - participate in public policymaking and
 - pursue supply chain innovation
 - novel products, processes, and business models result.
- Do we plan the journey or just let it unfold?
- What is the destination of the journey (i.e., effectiveness)?
- To what degree are we accountable for resources and time used on the journey (i.e., efficiency)?
- What practices or structure might be used to guide the journey?
- Who should have a "say" in the journey?

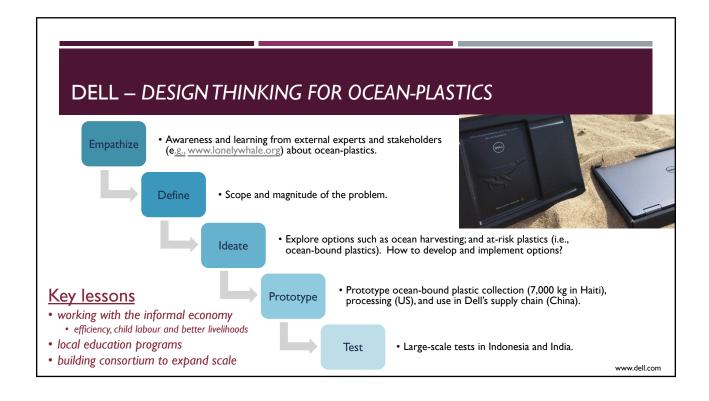


INFORMATIVE THEORETICAL FOUNDATIONS

- Institutional theory
- Network theory
- Change management
- Social innovation
- Design thinking







RESEARCH: LOOKING FORWARD

- How might more sustainable supply chains be co-defined and developed with an emphasis on the Journey?
 - engage multiple stakeholders beyond supply chain partners
- Iterative steps, beginning with empathy and openness
- How might the journey best be assessed?

Sustainability Research at the Strategy-Supply Chain Interface: Current Work and Future Agenda Cross-Disciplinary Sustainability Research

Mike Toffel AOM 2019

Some of my sustainability research that spans strategy & operations/supply chains

Dependent variable	Some explanatory variables	Theoretical framing	
Adoption of environmental management practices	Stakeholder pressures, moderated by org structure	Institutional theory	Delmas & Toffel 2008 SMJ
Pollution levels	Plant's proximity to sibs Plant's proximity to HQ Large plant in small town	Capability transfer w/in org Institutional theory	Doshi, Dowell, & Toffel 2013 SMJ
Disclosure of greenhouse gas emissions	Shareholder resolutions GHG reduction laws	Social mvmt theory Non-mkt strategy	Reid & Toffel 2009 SMJ
Disclosure of climate risks	Shareholder resolutions	Stakeholder theory	Flammer, Toffel, & Viswanathan (in progress)
Scrutiny of automobile emissions testing firms	Competition intensity Subsidiary/licensee/solo Cross-sell opportunities	Competition Governance Firm scope	Bennett et al 2013 ManSci Pierce & Toffel 2013 OrgSci
Scrutiny of social auditors	Who pays Gender composition	TCE: Monitoring function	Short et al. 2016 SMJ
Scrutiny & improvement capabilities of social auditors	Make or buy Competition intensity	Dual source: service quality Make and/or buy: services	Palmarozzo & Toffel (in progress)

Segment 2: Q&A

• What are we missing when we examine sustainability just from the viewpoint of the supply chain?

 What are the challenges for research and practice when we broaden our scope from sustainability within the firm to sustainability throughout the firm's supply chain?

• What are the most important questions we are not asking when it comes to sustainability and business, and why?



Segment 3: Small Group Discussion

Craig Carter
Denny Gioia
Robert Klassen
Mike Toffel

