

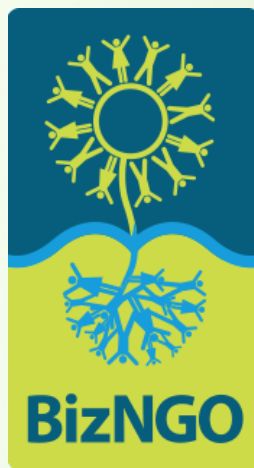
Chemical Footprint Project

GC3 Innovators Roundtable

May 10, 2018

Cheri Peele

Clean Production Action



Together, we're creating a safer and healthier future

and healthier future



Chemical Footprint Project

Founders



**CLEAN
PRODUCTION
ACTION**



**Lowell Center
for Sustainable
Production**

UNIVERSITY OF MASSACHUSETTS LOWELL

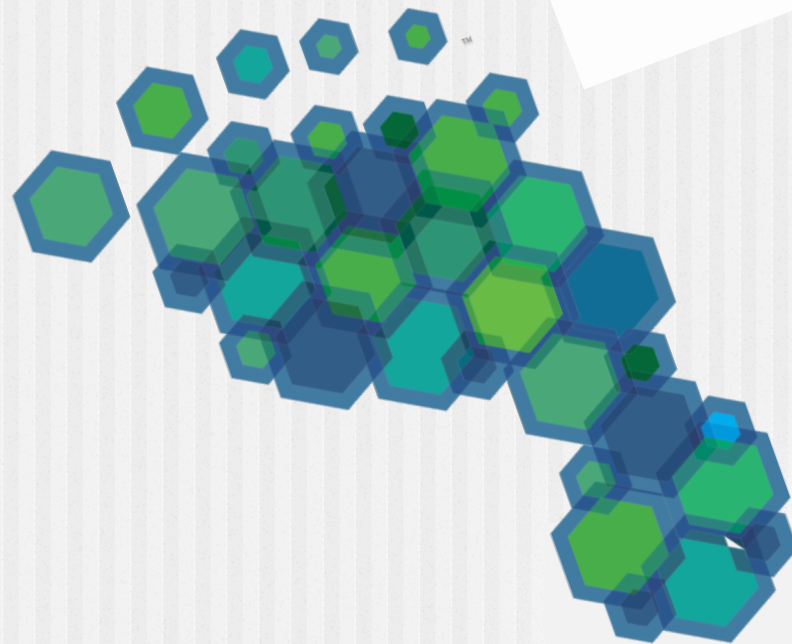


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"You can't manage what you don't measure."





Annual Survey

20 Questions - 100 pts

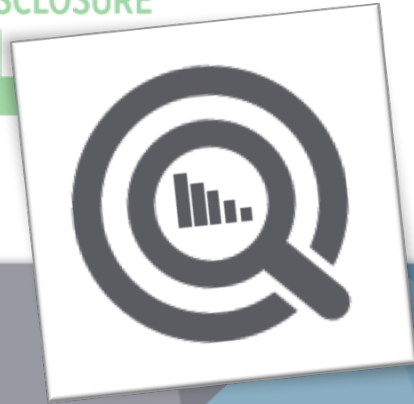


CHEMICAL INVENTORY

PUBLIC DISCLOSURE

MANAGEMENT STRATEGY

FOOTPRINT MEASUREMENT



Chemical Footprint Definition



Total mass of chemicals of high concern in a company's

- products sold,
- manufacturing operations,
- suppliers' operations, and
- packaging



Chemical Footprint Scope 2017

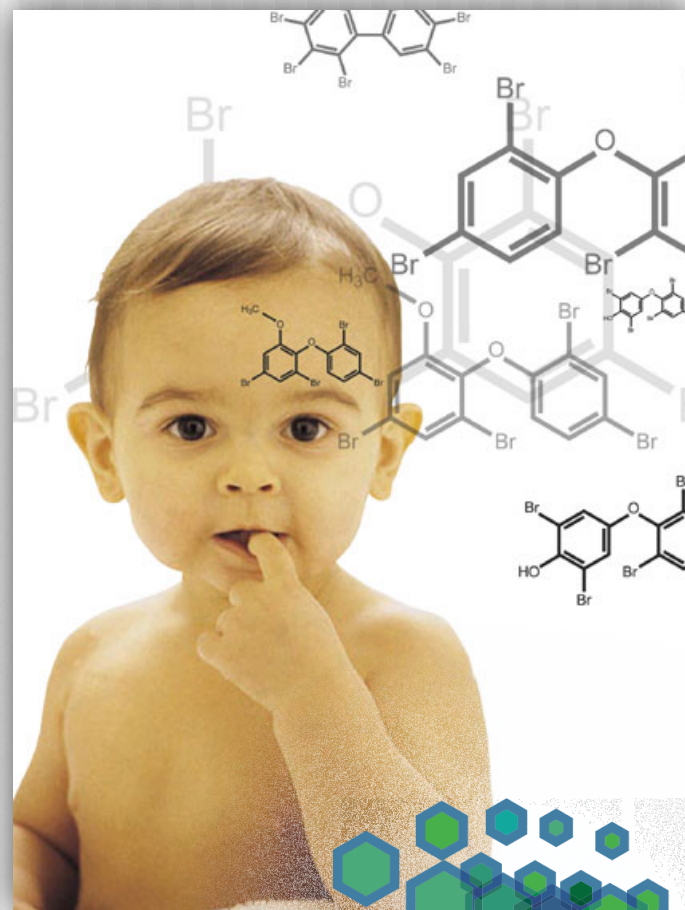


- Chemicals in **products** (not manufacturing, supply chains, or packaging)
- Report mass **and/or count** of chemicals of high concern
- Choice of longer or shorter reference list for chemicals of high concern

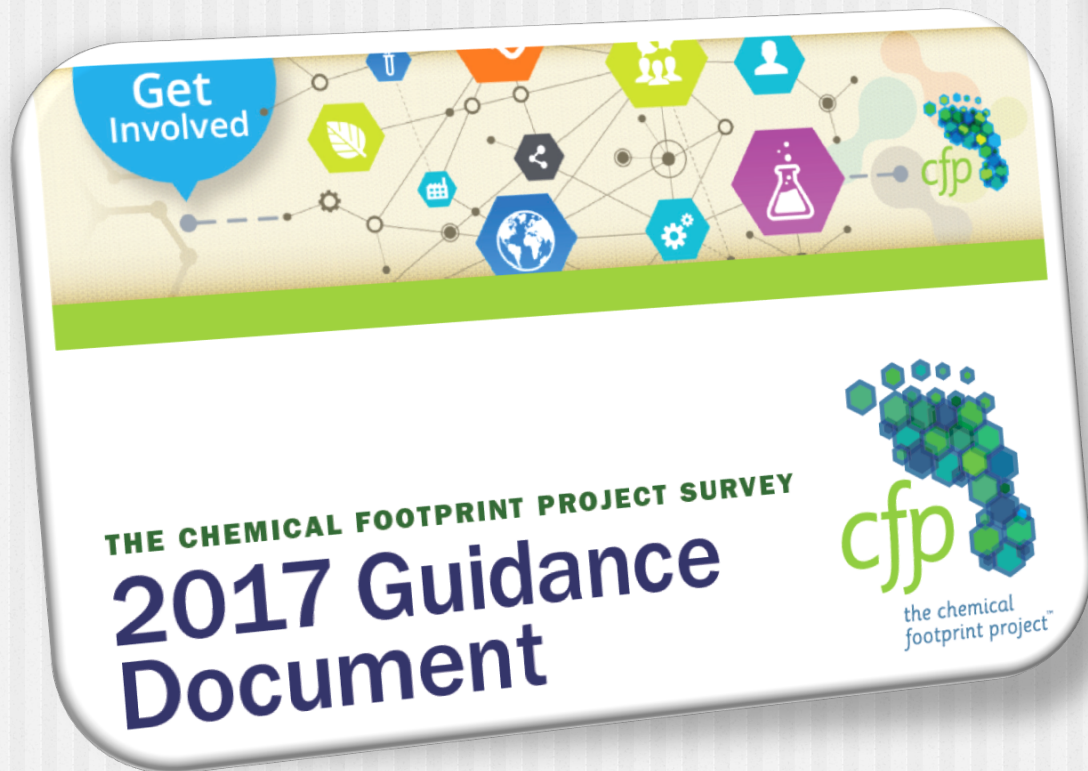


Chemicals of High Concern (CoHCs)

- carcinogen, mutagen, or reproductive toxicant (CMR)
- persistent, bioaccumulative and toxic substance (PBT)
- any other chemical for which there is scientific evidence of probable serious effects to human health or the environment that give rise to an equivalent level of concern
- a chemical whose breakdown products result in a CoHC that meets any of the above criteria
- **CFP 2017 CoHC List (same as 2016)**



CFP Annual Survey & Report



Value of CFP Survey

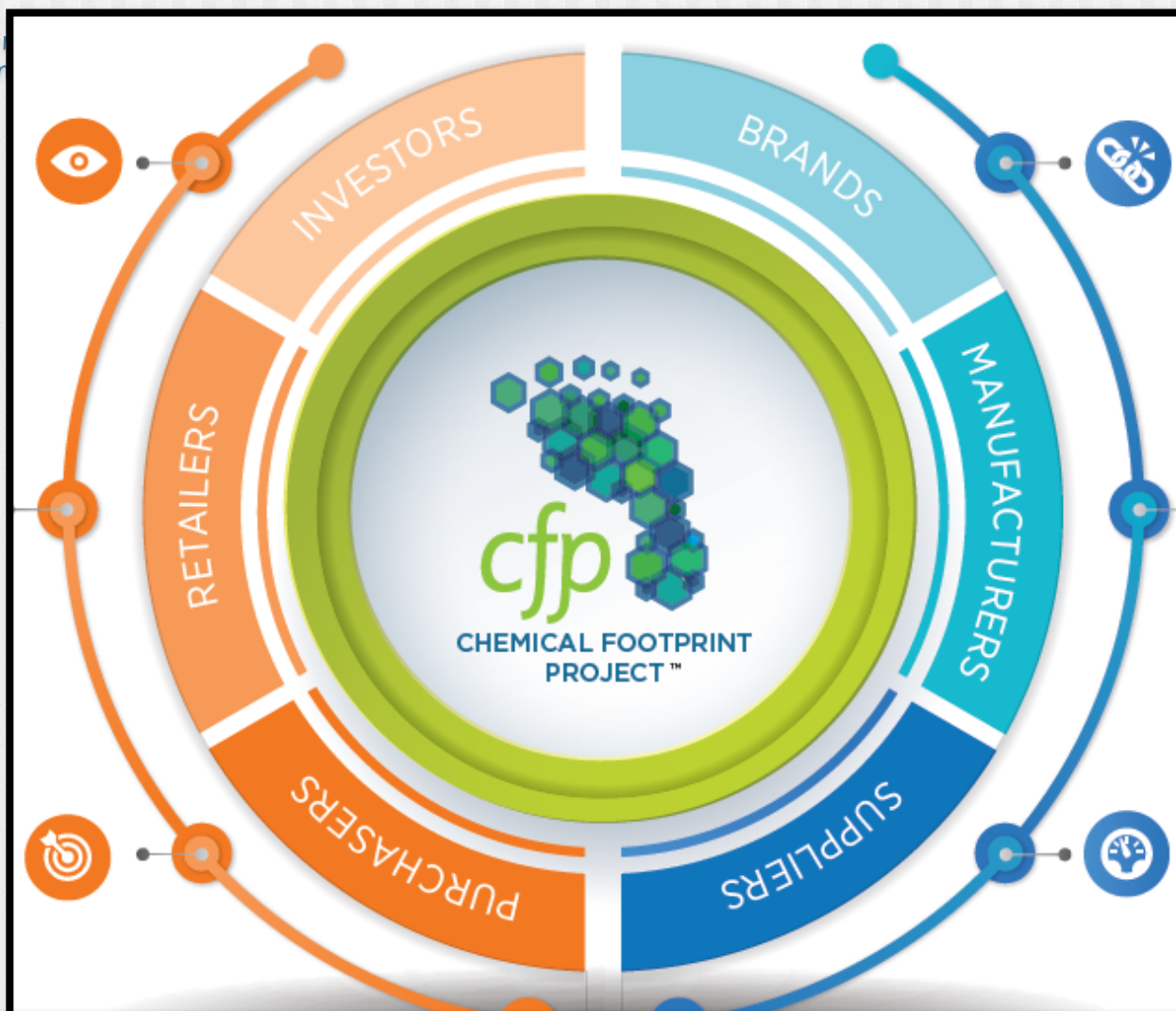
CHAPTER 1

Chemical Footprinting is Moving to the Mainstream



- Common language
- Quantitative metric to measure progress
- Gap analysis
- Alignment with leading business practices & investors

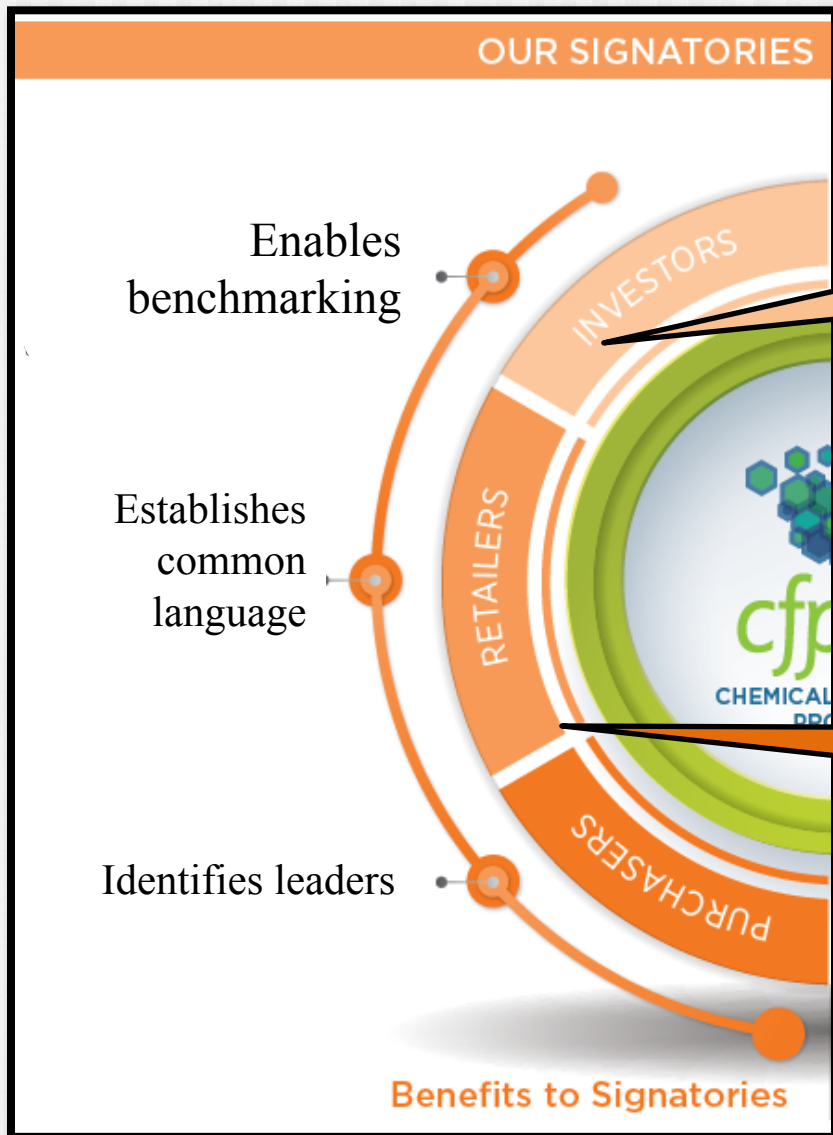




OUR SIGNATORIES

OUR RESPONDERS

CFP Signatories



\$2.3 trillion in assets under management

\$600 billion in purchasing power

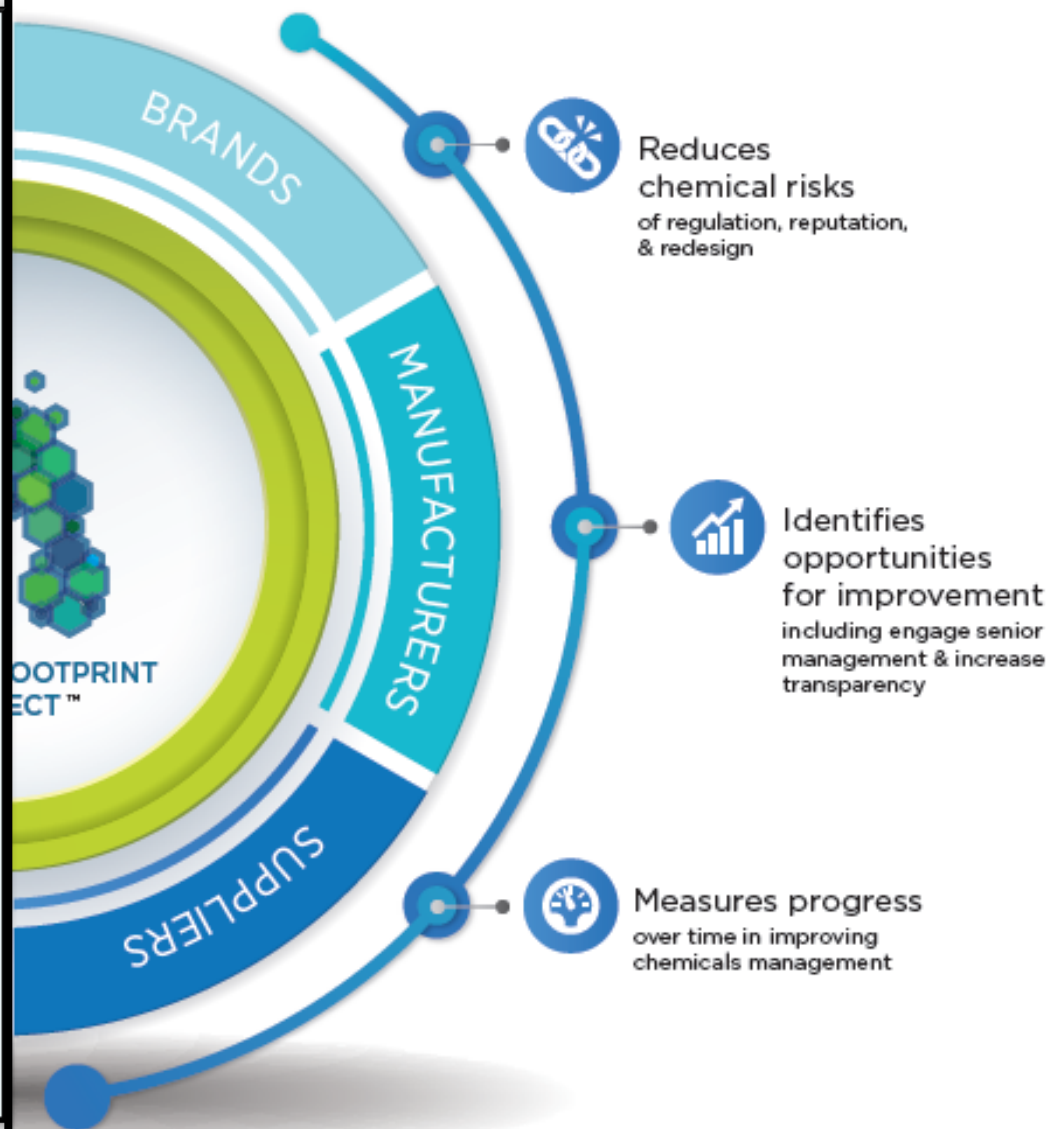


Companies Disclosing Their Participation in the 2016 CFP Survey

adidas AG
 Alima Pure
 Angelica Corporation
 Beautycounter
 Becton Dickinson and Co. (BD)
 Case Medical, Inc.
 Construction Specialties, Inc.
 GOJO Industries, Inc.
 Herman Miller, Inc.
 HP Inc.
 Inpro Corporation
 Johnson & Johnson
 Kimball Hospitality Inc.
 Levi Strauss & Co.
 nora systems, Inc.
 Radio Flyer
 Replenish
 Seagate Technology PLC
 Sealed Air Corporation
 Seventh Generation
 Wal-Mart Stores, Inc.
 WaterWipes

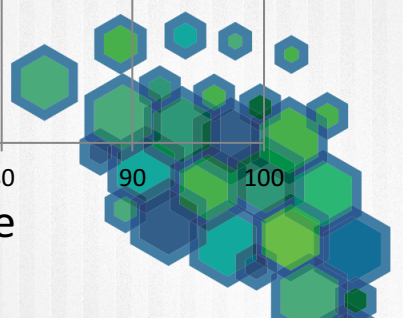
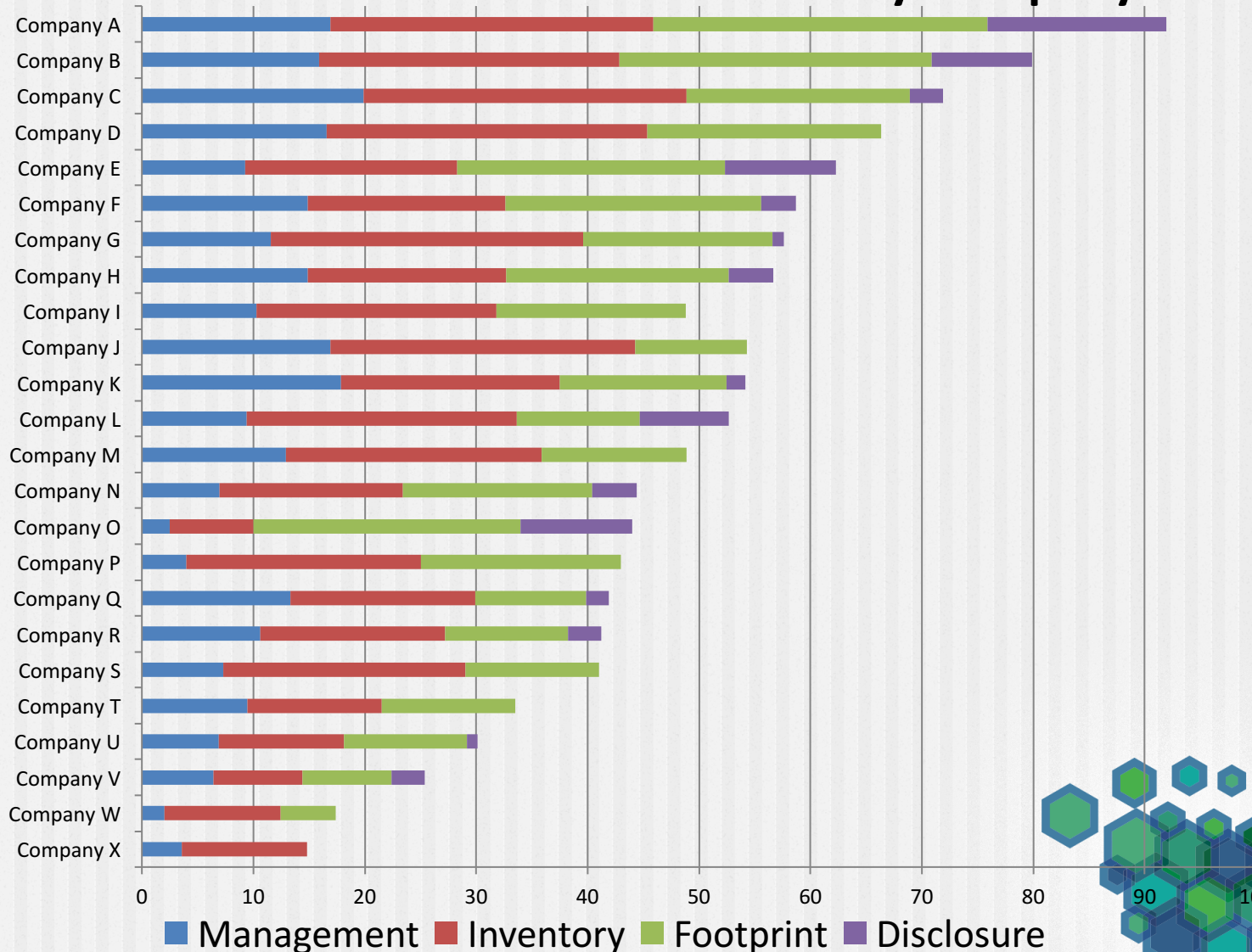
OUR RESPONDERS

Responders provide the data for the Chemical Footprint Project.



Benefits to Responders

Chemical Footprint Project Survey 2016-17 data: Total Points Scored by Company



Lessons Learned

- Chemical footprinting is challenging, but possible
 - Data collection
 - Calculations
- Survey is valuable as self-assessment tool
 - Data out of silos
 - Clarifies understanding of progress
- Leadership is essential



Opportunities

- Become a Signatory
 - Encourage suppliers to become responders
- Become a Responder
 - Respond as a brand - private label
 - Respond as a retailer
 - Flexibility:
 - Anonymous
 - Subset of product portfolio

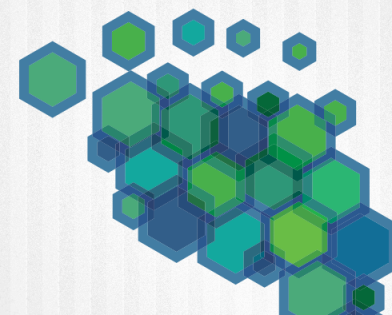


Schedule

- June 2018: Annual Report released
- Q4 2018: Revised Survey questions & response options released
- Jan - Mar 2019: 2019 Survey open

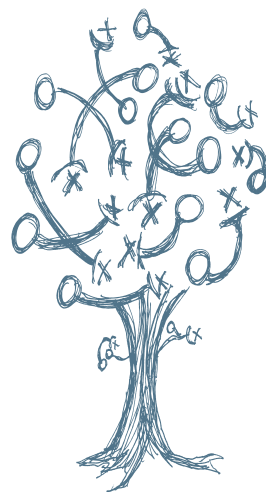


- Yashi Shrestha, Beautycounter
- Al Iannuzzi, Johnson & Johnson



Chemical Footprint Survey as Management Tool

May 10, 2018



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Value from Internal Use of Chemical Footprint Survey

- A number of companies use the survey internally, even go through the verification process, but don't submit.
- So what do they get out of it?

Use Survey Tool to Assess Own Programs

- Mechanism for company to review and assess current program
- External objective benchmark
 - Multi-stakeholder set of criteria
 - Common list of chemicals of concern

Verification

- Why added layer of verification process, especially when not planning to submit?
- Value for companies
 - Arm's-length objective 3rd-party review
 - Systematic process reviewing responses in detail
 - On-going process of questioning/clarifying of policies, processes, execution
 - Opportunity for 3rd party to provide tips/advice

Outcomes from Verification

- How well do survey answers really capture what's going on?
 - Documentation? Missing internal evidence that achieving what expected?
 - Gaps in execution?
- Opportunities to benefit from multi-company experience of 3rd-party

Questions for Discussion

- What business benefits can you see for your company in participating in Chemical Footprint survey?
- What are the barriers to your participation and what would help you to overcome them?
- What would persuade you to get engaged?



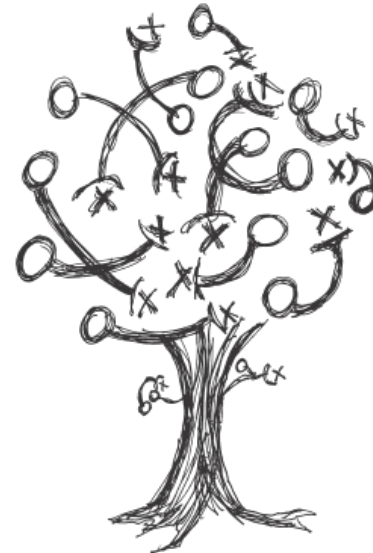
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