

Different Tools for Different Questions? Using Alternatives Assessment, Risk Assessment and Life Cycle Assessment

Friday, October 25, 2019
9:00 AM - 10:00 AM PDT
12:00 PM - 1:00 PM ET

TOPICS IN ALTERNATIVES ASSESSMENT

Free Webinar Series Hosted by the Association
for the Advancement of Alternatives Assessment



WELCOME!

Today's A4 webinar:

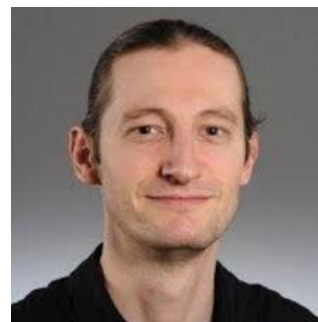
Different Tools for Different Questions? Using Alternatives Assessment, Risk Assessment and Life Cycle Assessment

Overarching Goal: understand what makes alternatives assessment, risk assessment and lifecycle assessment both distinct and complementary

Today's Facilitators



Lauren Heine
ChemFORWARD
Co-Chair, A4 Program Committee



Peter Fantke
Technical University Denmark
A4 Program Committee

Today's Panelists



Libby Sommer



Director of
Corporate
Responsibility



Martin Wolf



Director of
Sustainability and
Authenticity



Annie Bevan



Global Head of
Sustainability

Webinar Logistics

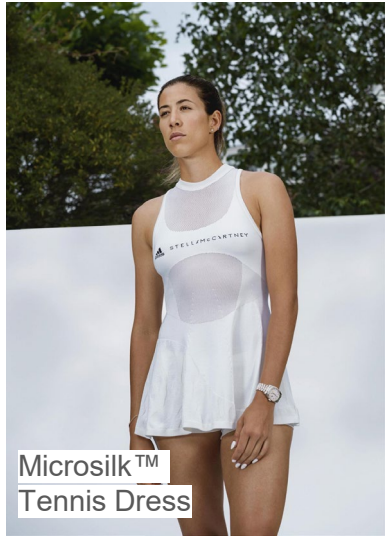
- Due to the number of participants on the webinar, all lines will be muted
- If you wish to ask a question, please type your question in the Q&A box located in the drop down control panel at the top of the screen
- Questions will be answered at the end of the panel discussion
- The webinar is being recorded and will be posted along with the slide deck on the A4 website:
www.saferalternatives.org
- At the end of the webinar, we will launch a short survey to get your input on future webinar topics and additional feedback

Perspectives

Libby Sommer, Bolt Threads

TOPICS IN
ALTERNATIVES ASSESSMENT





Microsilk™
Tennis Dress



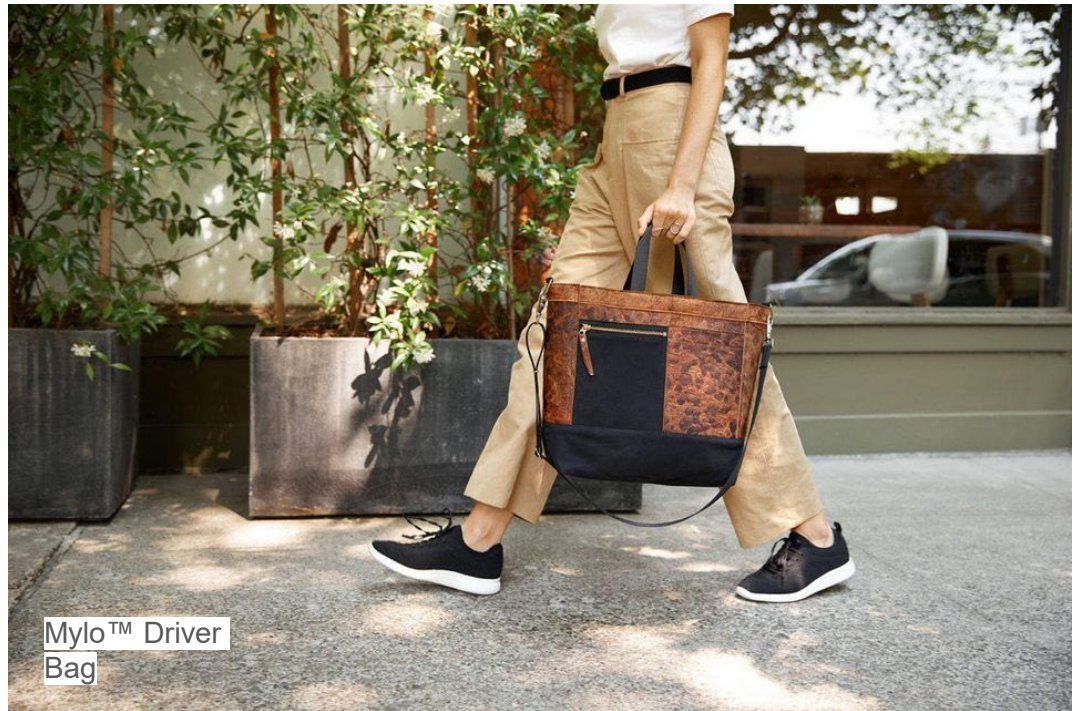
Microsilk™
MoMA Dress



Eighteen B
Skincare

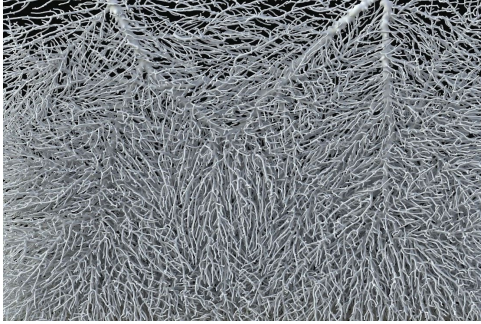


Bolt Threads



Mylo™ Driver
Bag

Mylo™



1. The process begins with mycelium cells.



2. We grow the cells on beds of agricultural waste and byproducts.



3. Billions of cells grow and form an interconnected 3D network.



4. We compress the resulting network, and cure and dye it to make Mylo™.

Perspectives

Martin Wolf, Seventh Generation

TOPICS IN
ALTERNATIVES ASSESSMENT



Alternatives Assessment



Companies weigh alternatives every day

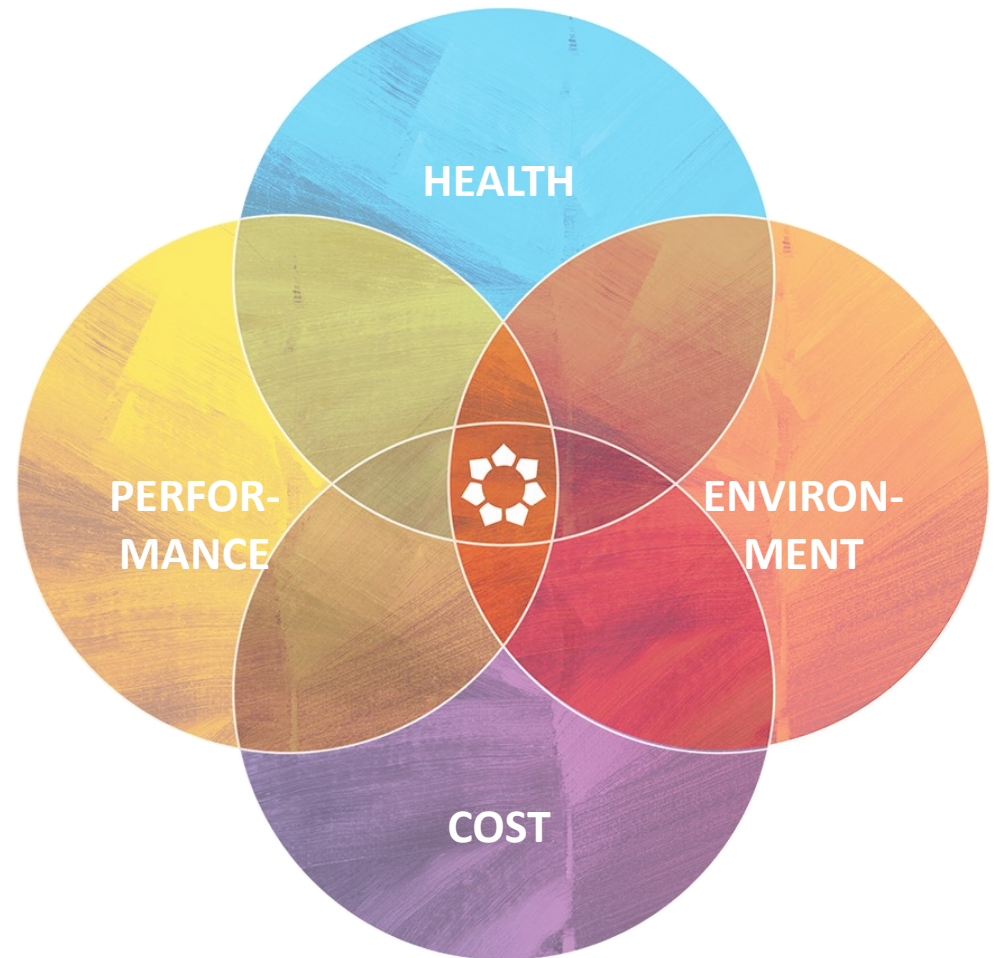
- Formulate to Company priorities
- For Seventh Generation, Formulate to Company Mission, Aspirations, & Goals
 - Healthy People
 - Sustainable Environment
 - Equitable Communities

Martin Wolf, Director of Sustainability & Authenticity
Seventh Generation, Inc.



Alternatives Assessment

- Health
 - Ingredient Chronic Toxicity
 - Product Acute Toxicity
- Environment
 - Ingredients:
 - Biobased
 - Biodegradable
 - Non-VOC (including LVP-VOC)
 - Packaging
 - PCR (Goal: 100%)
- Equity
 - Cost-Performance
 - Democratization



Perspectives

Annie Bevin, Superior Essex

TOPICS IN
ALTERNATIVES ASSESSMENT





We believe that technology that interconnects the
world should also respect it

Everywhere You Live and Work

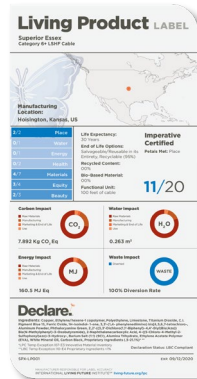
- One of the largest cable manufacturers in North America
- Copper and Optical Fiber Premises Wire and Cable Products
- Fiber and Copper Outside Plant (OSP) wire and cable products
- Smart Building Solutions through Power-over-Ethernet cabling

<http://sustainability.superioressexcommunications.com/>

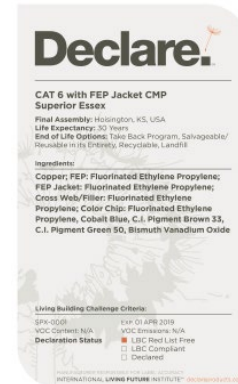
Materials Transparency-Communication Cables



1 Living Product
(2 Pending)



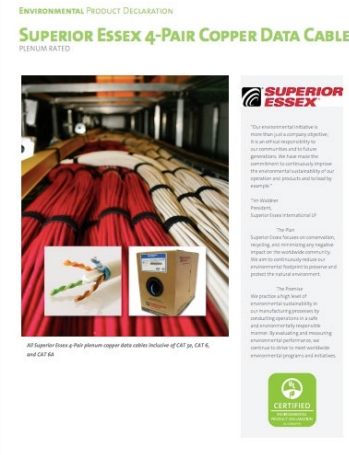
3 Red List Free Declare Labels



55+ HPDs



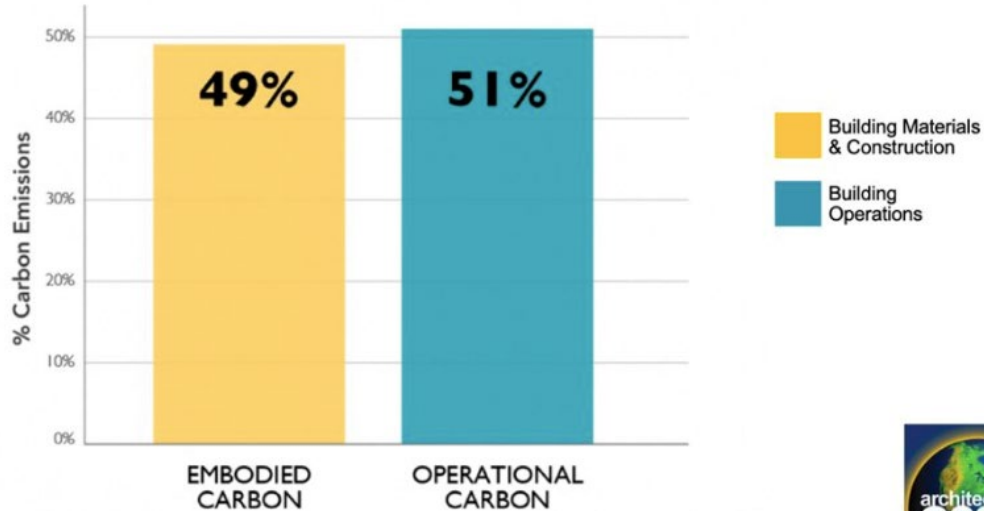
55+ EPDs



From transparency to
optimization.....

Materials Carbon Action Network

Total Carbon Emissions of Global New Construction
from 2020-2050
Business as Usual Projection



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Additional Partners



https://www.interface.com/US/en-US/campaign/transparency/materialsCAN-en_US

Superior Essex's FEP Supply Chain Optimization

- ▶ Both suppliers for FEP have confirmed:
 - ▶ No Residual Monomers or below 100 ppb
 - ▶ No processing agents on the red list utilized to manufacture the product
 - ▶ Waiting on confirmation from suppliers to confirm there are no or negligible surfactants or other processing chemicals in the finished, end-user FEP product
 - ▶ Will disclose their trade name, product IDs as well as manufacturing facilities
- ▶ Further Details and thoughts to consider:
 - ▶ Impurities in FEP can degrade its dielectric properties— this is not desirable for data transmission cables
 - ▶ Dielectric properties can be an indicator of the purity of the FEP
 - ▶ As compared to flexible PVC alternatives—there is significant migration of chemistries from PVC—much more than FEP
 - ▶ is significant migration of chemistries from PVC—much more than FEP

Sustainable PVC

- Currently working in collaboration with other market leading manufacturers in the Carpet/flooring, Window, Siding and panel industries to establish to define manufacturing leadership in sustainable PVC products



Panel Discussion



Libby Sommer



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Global Head of
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Questions?

Next Webinar – January 2020

Addressing data gaps in alternatives assessment: safer using non-animal testing methods

Registration – later in December



ASSOCIATION FOR
THE ADVANCEMENT
OF ALTERNATIVES
ASSESSMENT

A new professional association
solely dedicated to advancing
the science, practice, and policy of
alternatives assessment and
informed substitution

JOIN THE A4!

Working
collaboratively to accelerate
the use of safer chemicals,
materials, processes, and
products.

www.saferalternatives.org

THANK YOU