Textile Exchange

Home and Hospitality Recycling Project

December 3, 2019
Textile Exchange’s 2030 “Climate+” Goal

Textile Exchange will be the driving force for urgent climate action with a goal of 35-45% reduced CO2 emissions from textile fiber and material production by 2030.
2016 Apparel CO2 Footprint (Quantis)

3300 million metric tons of CO2e = 6.7% of global emissions

- Fiber Production, 15%
- Yarn Preparation, 28%
- Fabric Preparation, 12%
- Dying & Finishing, 36%
- Assembly, 7%

510 mmt CO2e (1% of global emissions)
Climate partnerships

- Fiber Production, 15%
- Yarn Preparation, 28%
- Fabric Preparation, 12%
- Dying & Finishing, 36%
- Assembly, 7%
Circular economy

Organic Agriculture
Regenerative Agriculture
Biosynthetics

Recycled Material
Waste Reduction

1. Hunting and fishing
2. Can take both post-harvest and post-consumer waste as an input
SOURCE: Ellen MacArthur Foundation –
Adapted from the Cradle to Cradle Design Protocol by Braungart & McDonough
2018 Fiber & Material Portfolio

FM Usage Breakdown

<table>
<thead>
<tr>
<th>Sector</th>
<th>Cotton</th>
<th>Synthetics</th>
<th>MMC</th>
<th>Animal Fibers</th>
<th>Other Fibers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sector</td>
<td>53</td>
<td>30</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MS/Apparel (XL)</td>
<td>57</td>
<td>29</td>
<td>7</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Apparel (L)</td>
<td>47</td>
<td>23</td>
<td>9</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Apparel (S/M)</td>
<td>77</td>
<td>12</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Outdoor/Sports</td>
<td>15</td>
<td>67</td>
<td>2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Home Textiles</td>
<td>78</td>
<td></td>
<td>12</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

- H&H sub-sector had the highest cotton usage. The fiber and usage breakdown closely resembles Apparel (S/M)
Home and Hospitality Round Table: Project in Development

- We are in process of connecting partners across the hospitality and recycling industries to get more used hospitality textiles into recycling facilities via their laundry partners.
Home and Hospitality Round Table: Project in Development

• Sheeting and towels are consistent weights and fibers, and can be easily recycled once a collection system is implemented, which would divert large quantities of textiles from landfills and back into feedstock.
Home and Hospitality Round Table: Project in Development 2

• The longer term vision also involves leveraging hospitality locations as neighborhood collection sites, which can then in turn further increase the uptake into the system.
Thank you

TextileExchange

Creating Material Change

TextileExchange.org

© Copyright Notice

This presentation is protected by U.S. and International copyright laws.

Textile Exchange welcomes you to use slides from this collection for your presentations on the condition that:
• The slides are not altered from the way it is presented in its original format; this includes changing colors and styles.
  • The Textile Exchange logo should not be removed.
  • Adding logos and/or content is not permitted without written permission from Textile Exchange.
• Any presentation using this content or any form of this content should acknowledge Textile Exchange as the author.