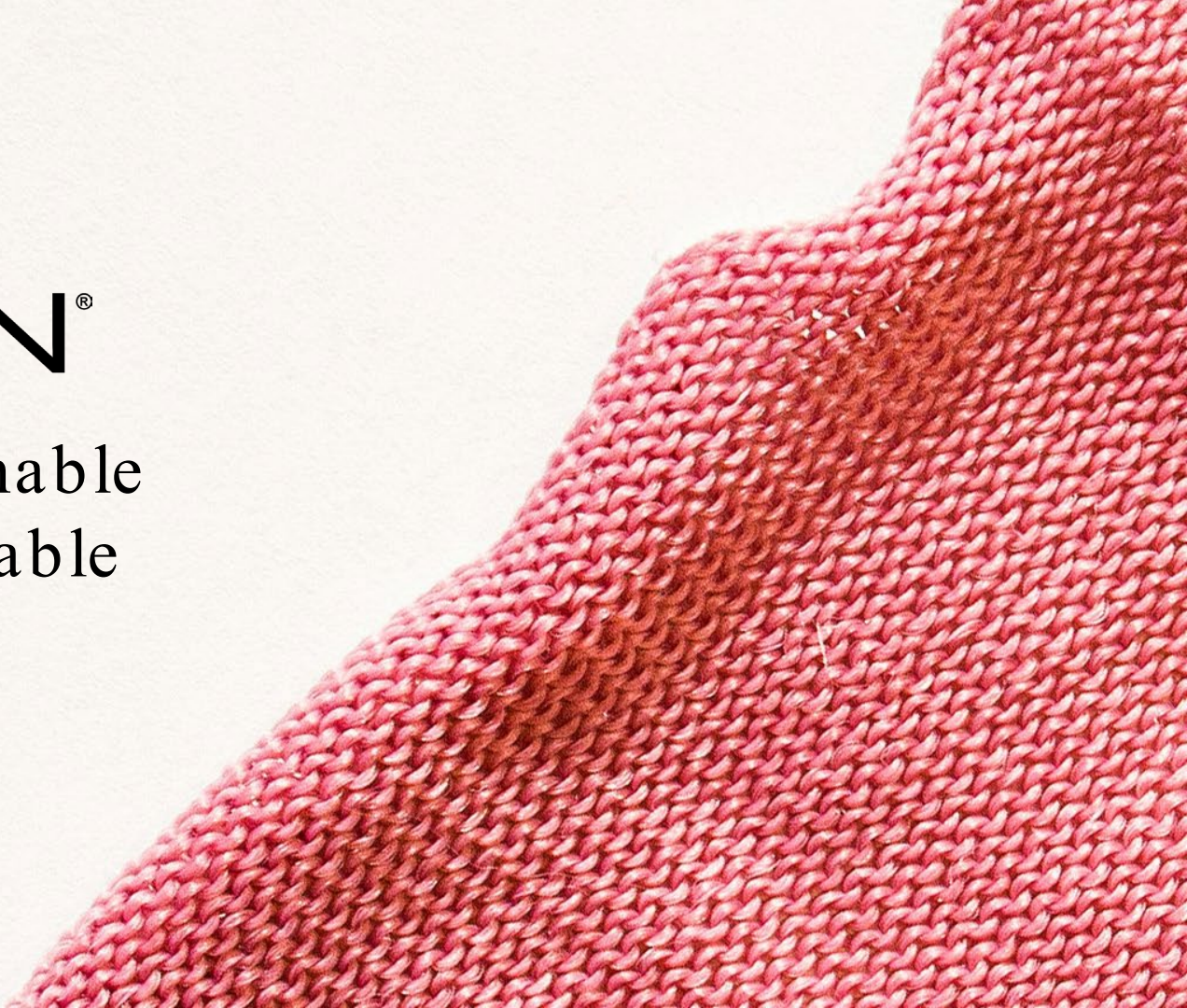


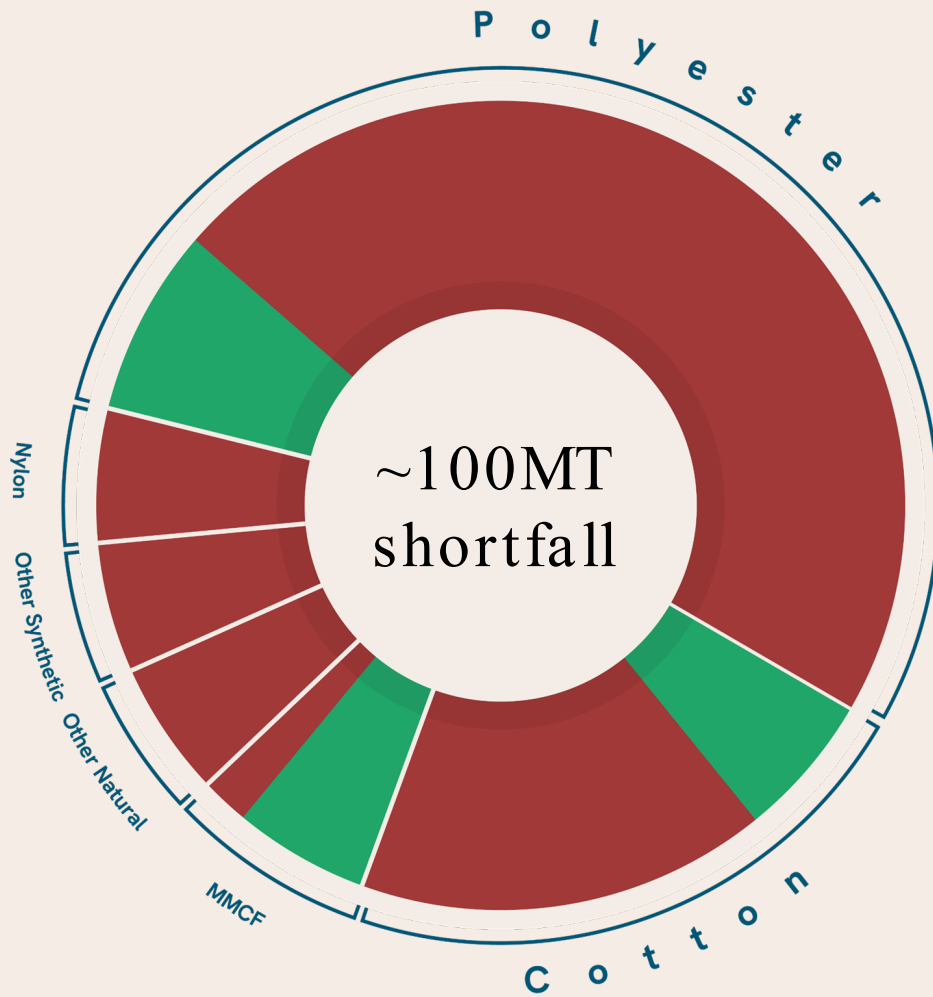


# BYLON<sup>®</sup>

Making sustainable  
fashion affordable

Oliver Shafaat, PhD  
Founder and CEO  
[oliver@sci-lumelabs.com](mailto:oliver@sci-lumelabs.com)





Preferred

Conventional

~100MT  
shortfall

Bylon is the circular apparel fiber  
without compromise.

**Scalable biobased  
feedstock**

**Drop-in Compatible**

**Degrades just as  
nature intended**

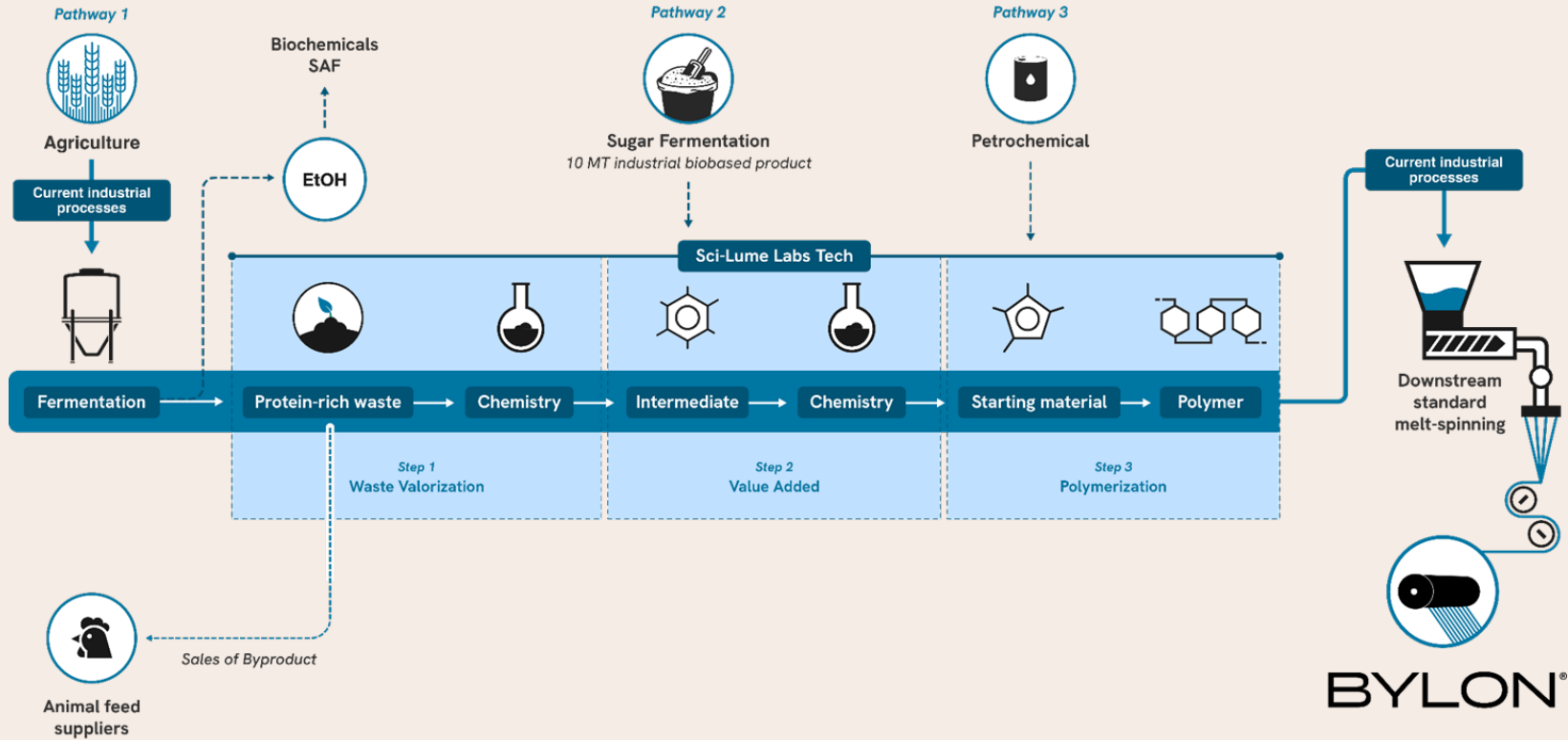
**Synthetic Versatility**

**100% Recyclable**

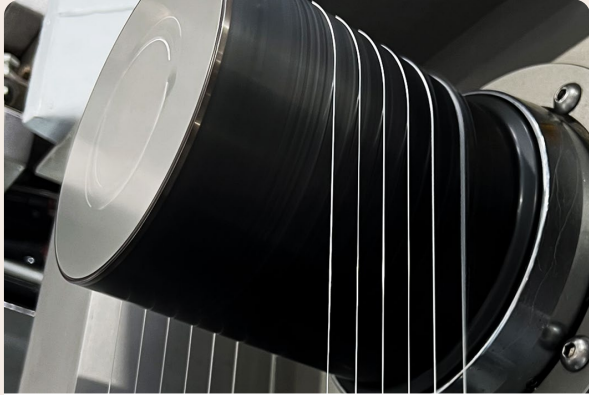
**Natural Comfort**



# Bylon is built on efficient, scalable chemistries.



# Compatible with every stage along the apparel supply chain



## Melt-spinning

Thermoplastic polymer that can drop into existing synthetic fiber manufacturing facilities.



## Knitting

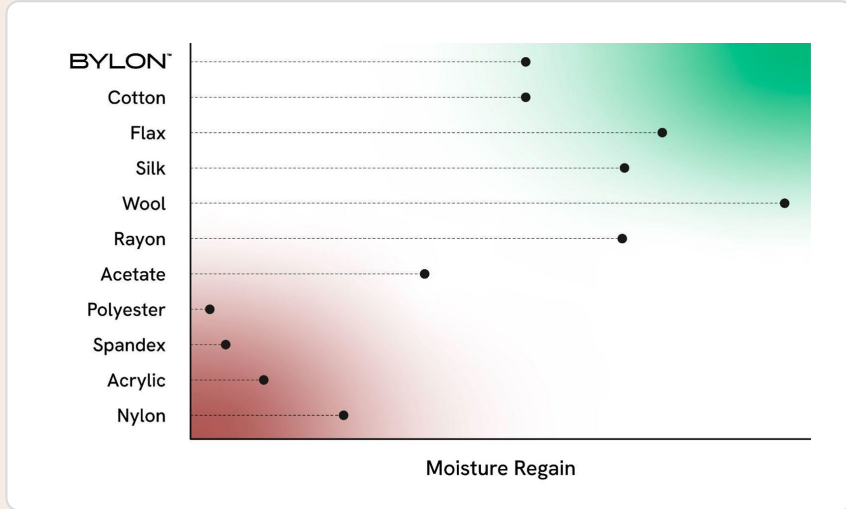
Can use standard knitting equipment, providing familiar versatility for textile design.



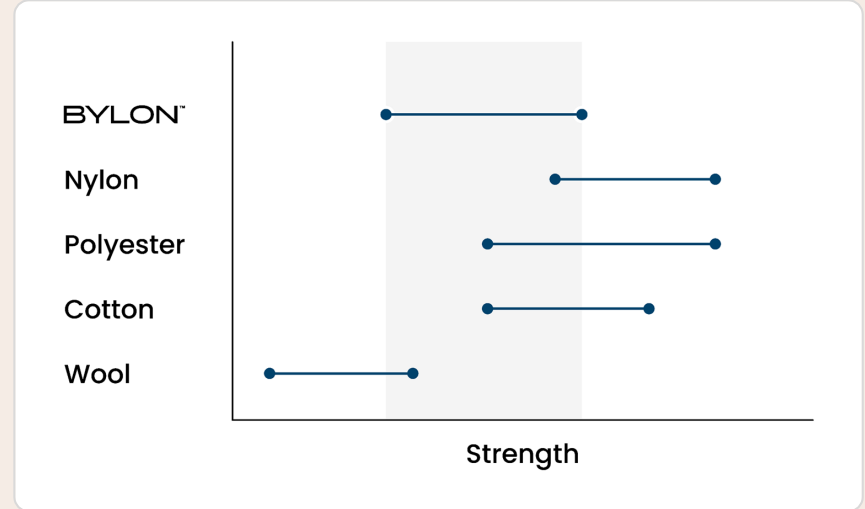
## Dyeing + Finishing

Easy and fast dyeing for lower processing temps and shorter times. Standard laundering without issue.

# Bylon offers consumers natural moisture with synthetic performance.



Bylon moisture regain is similar to cotton and silk, and provides natural—not synthetic—comfort.



Bylon shows strength on par with commodity synthetics and exceeding wool.

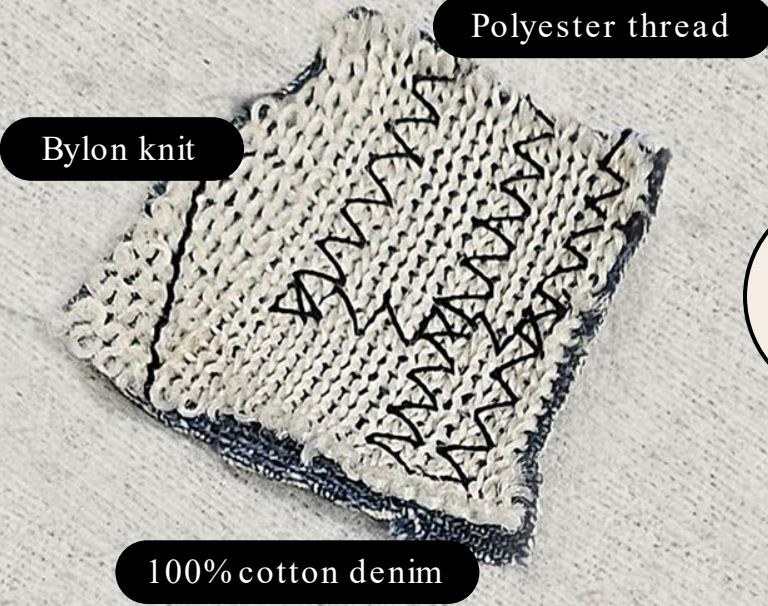
## End-of-life



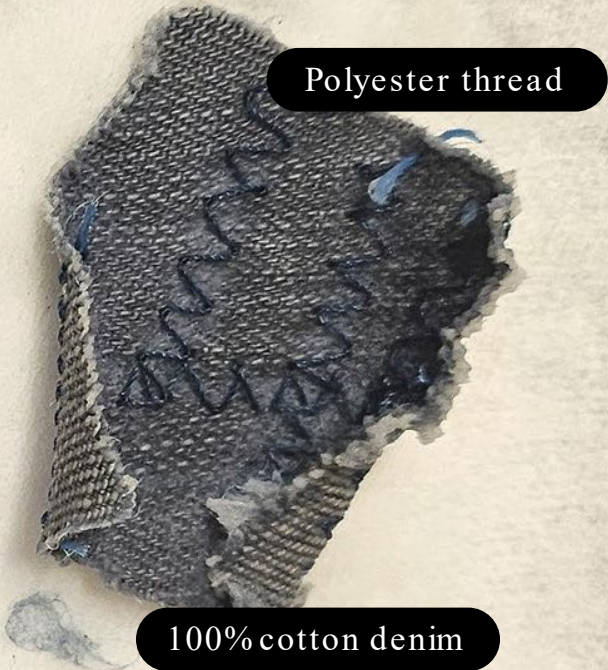
Can be placed in the earth and degrade, reducing persistent fiber waste.

Chemically recyclable under mild conditions.

# Efficient and mild Bylon recycling in blends



<2h





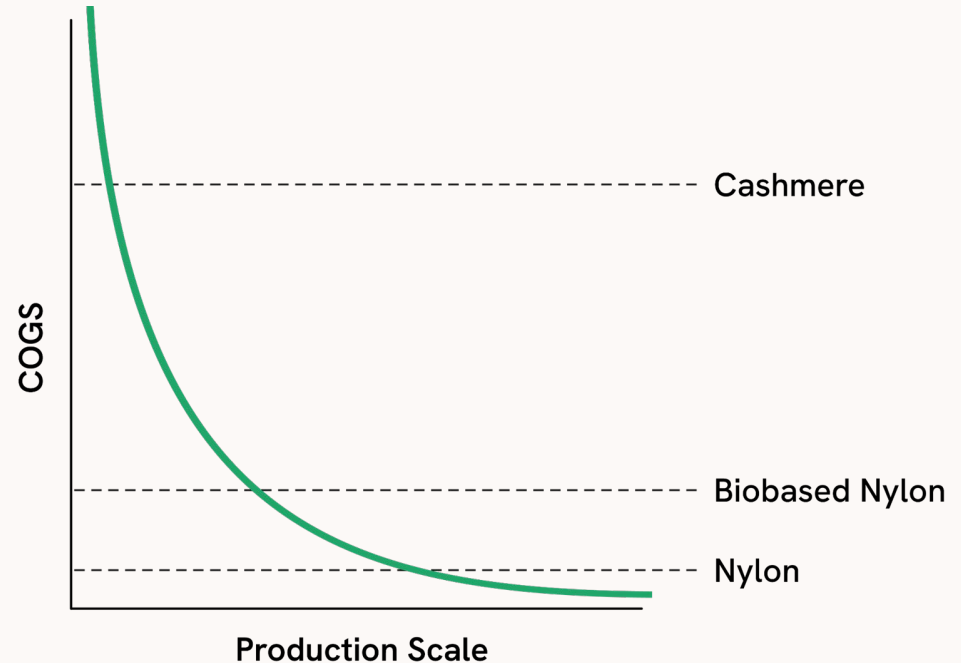
# Bylon's scalability enables a sustainable apparel future.

Drop-in Compatibility

Rapid Scale

Low Price

Circularity without  
Compromise



The apparel industry wants change.  
Sustainability is no longer optional.

Preferred

Conventional

### Preferred Material Adoption 2025 – 2030

patagonia®

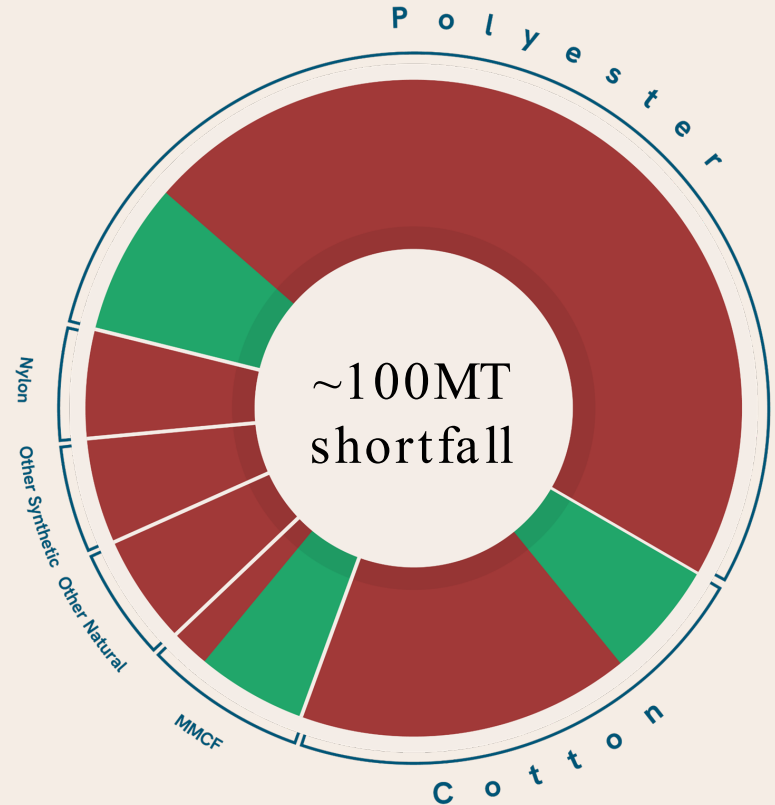
H&M

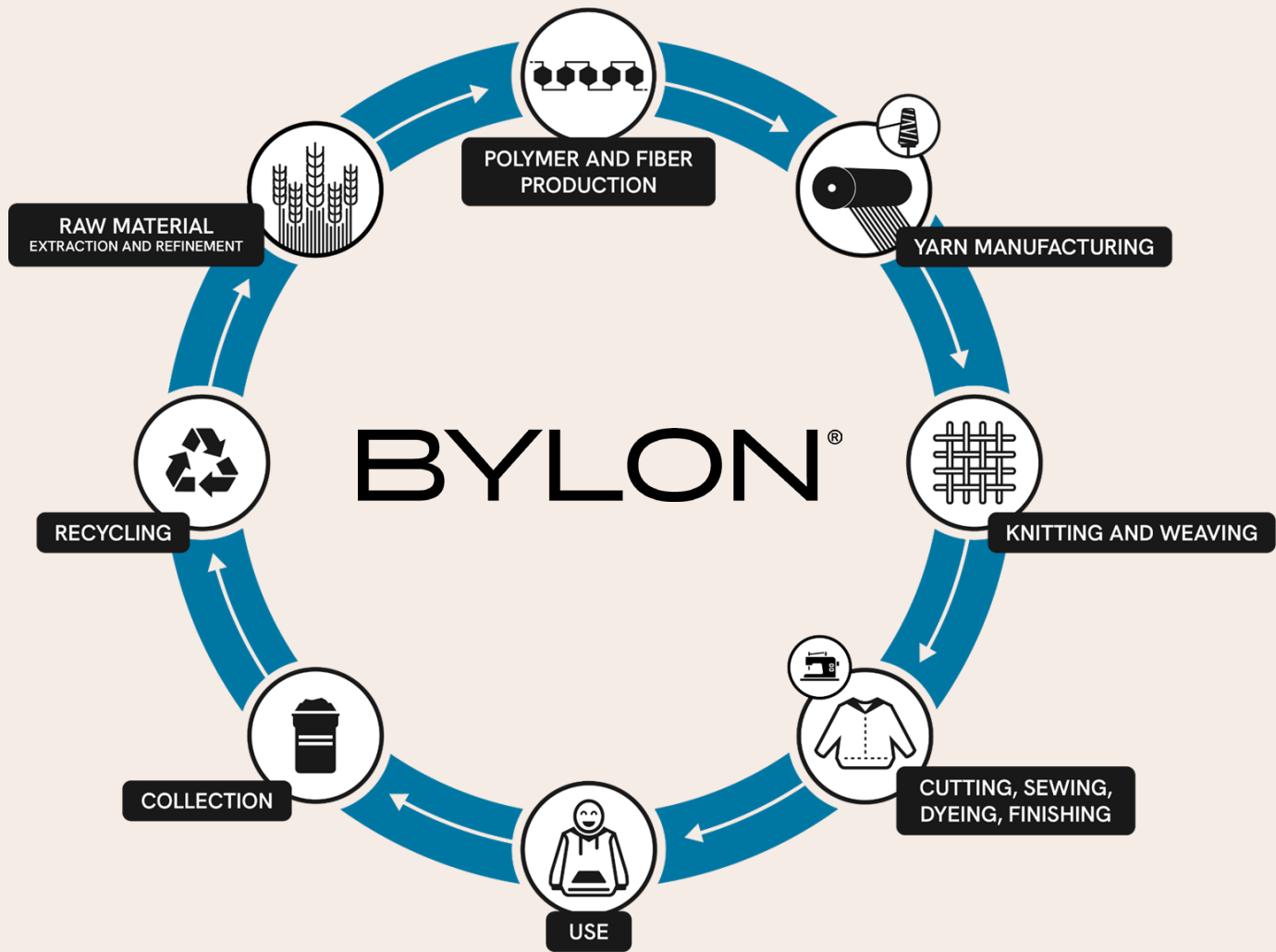
lululemon

ATHLETA

LOUIS VUITTON

NIKE







Join us in weaving  
our sustainable  
apparel future.



[oliver@sci-lumelabs.com](mailto:oliver@sci-lumelabs.com)  
[sci-lumelabs.com](https://sci-lumelabs.com)

