

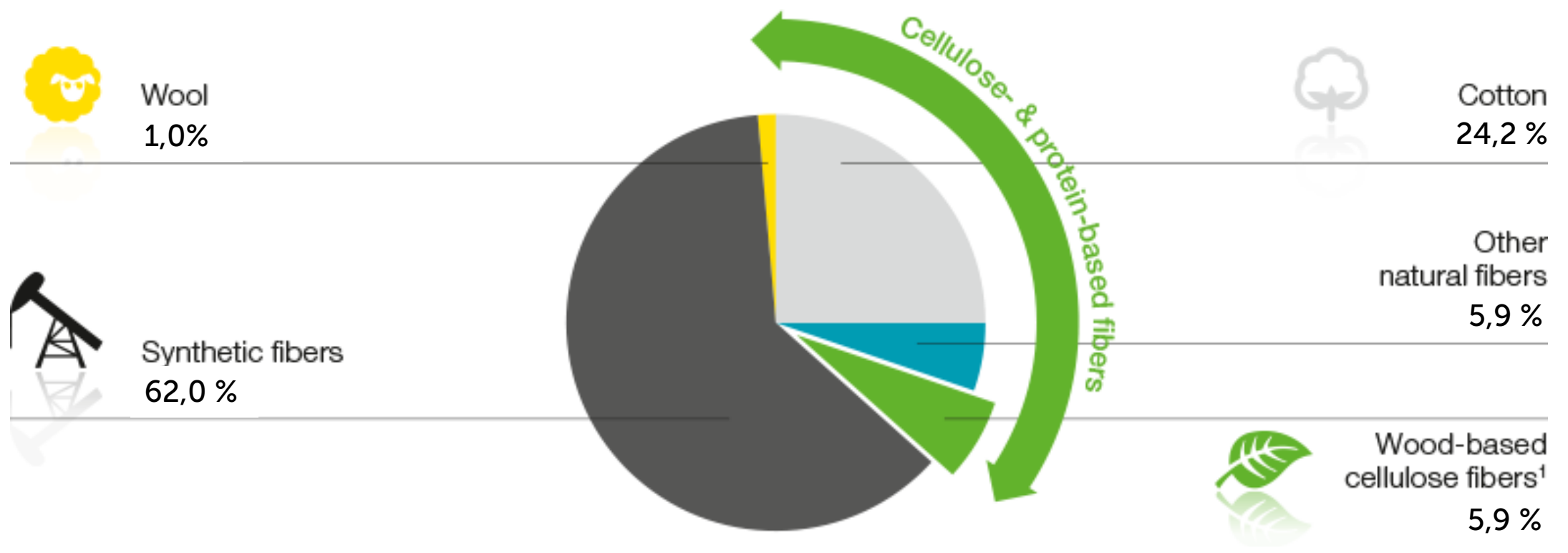
Marknadsdialog – Cirkulära arbetskläder,
så får vi det att hända tillsammans!

EN RUNDA I TEXTILOMVÄRLDEN

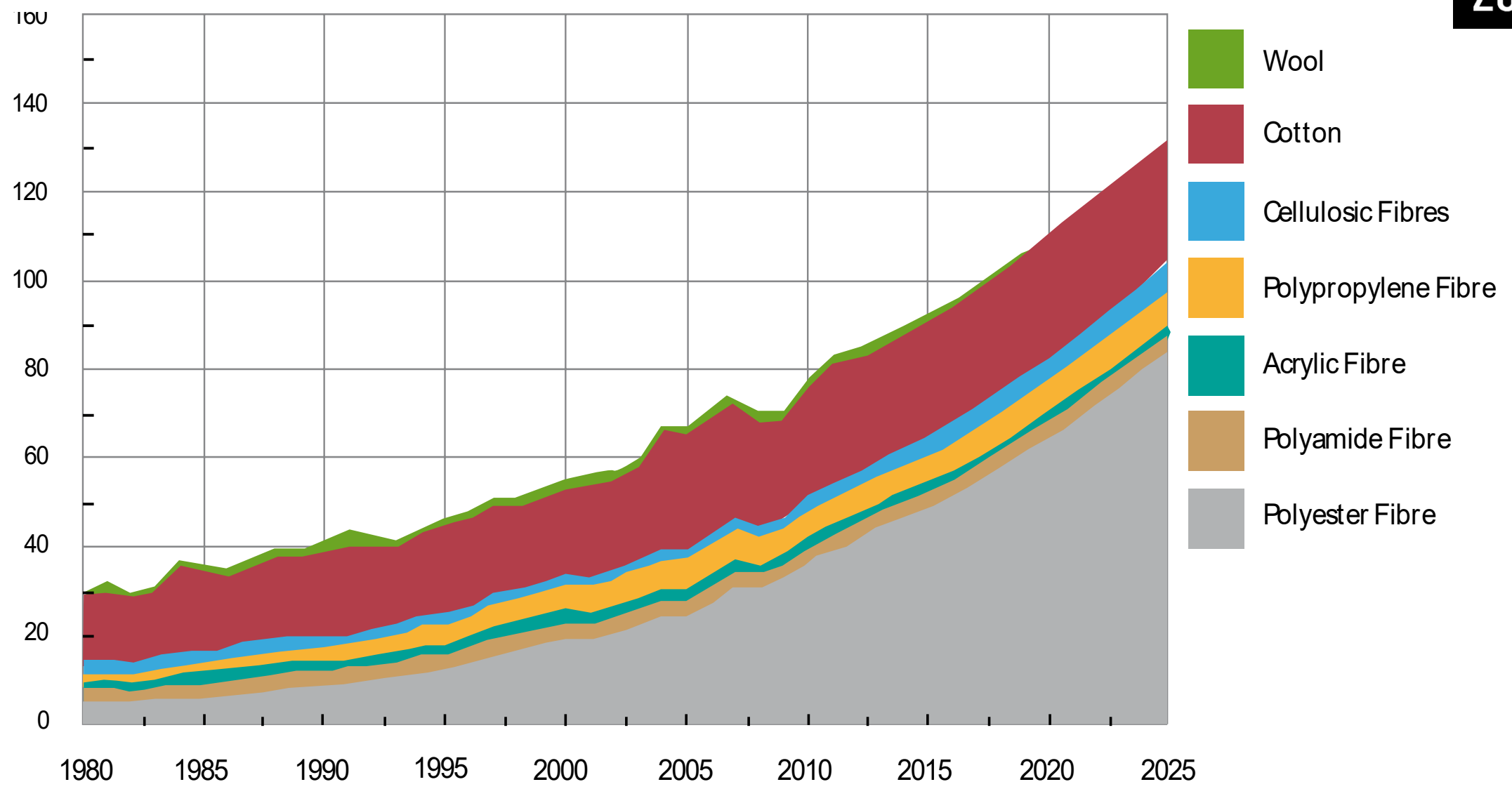


21 September 2021, Mats Johansson

Den globala produktionen av textila fibrer var 2020 ungefär **109 miljoner ton**.

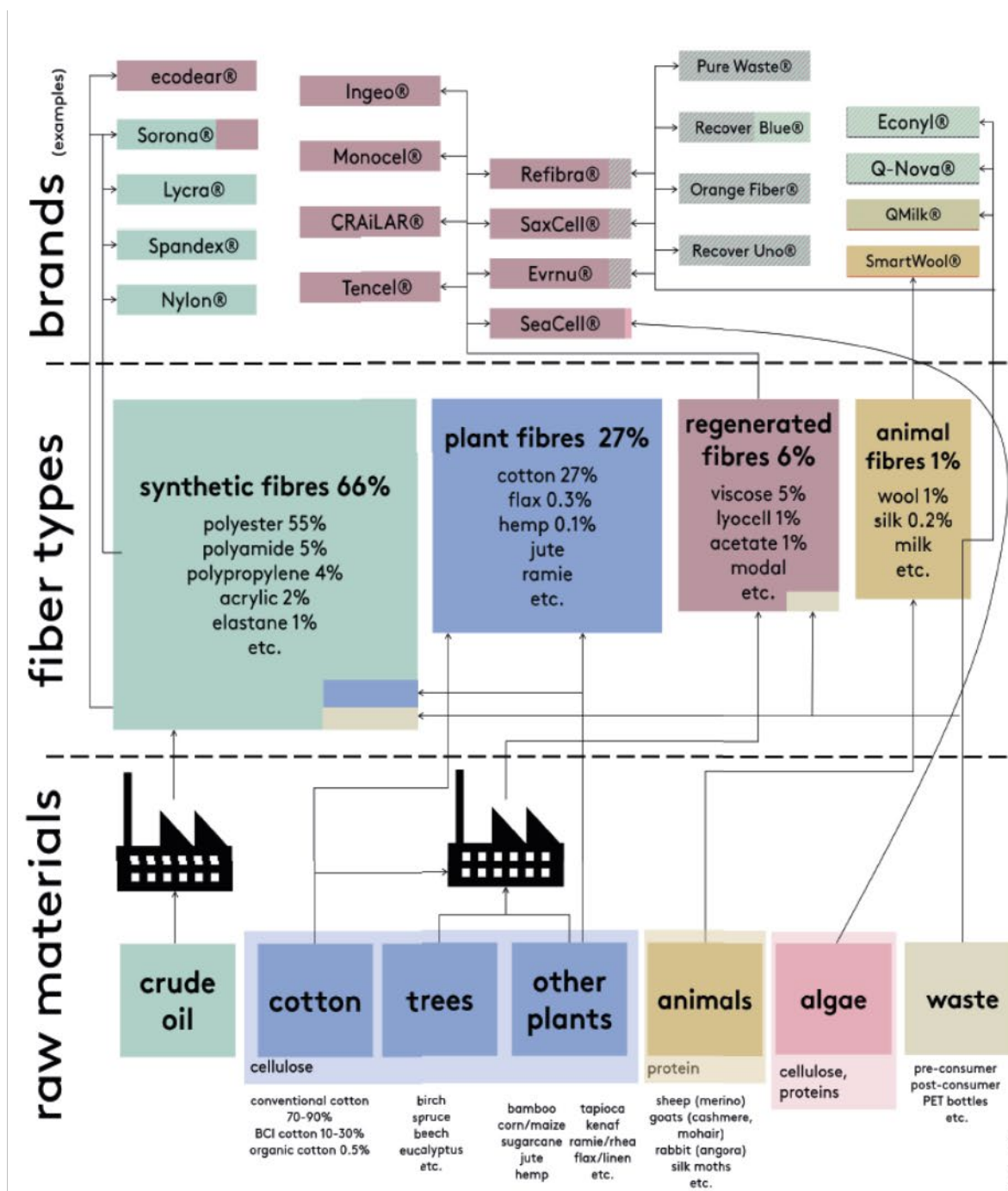


Source: ICAC, CIFRS, The Fiber Year, Textile Exchange, The Fiber Organon, Lenzing estimates

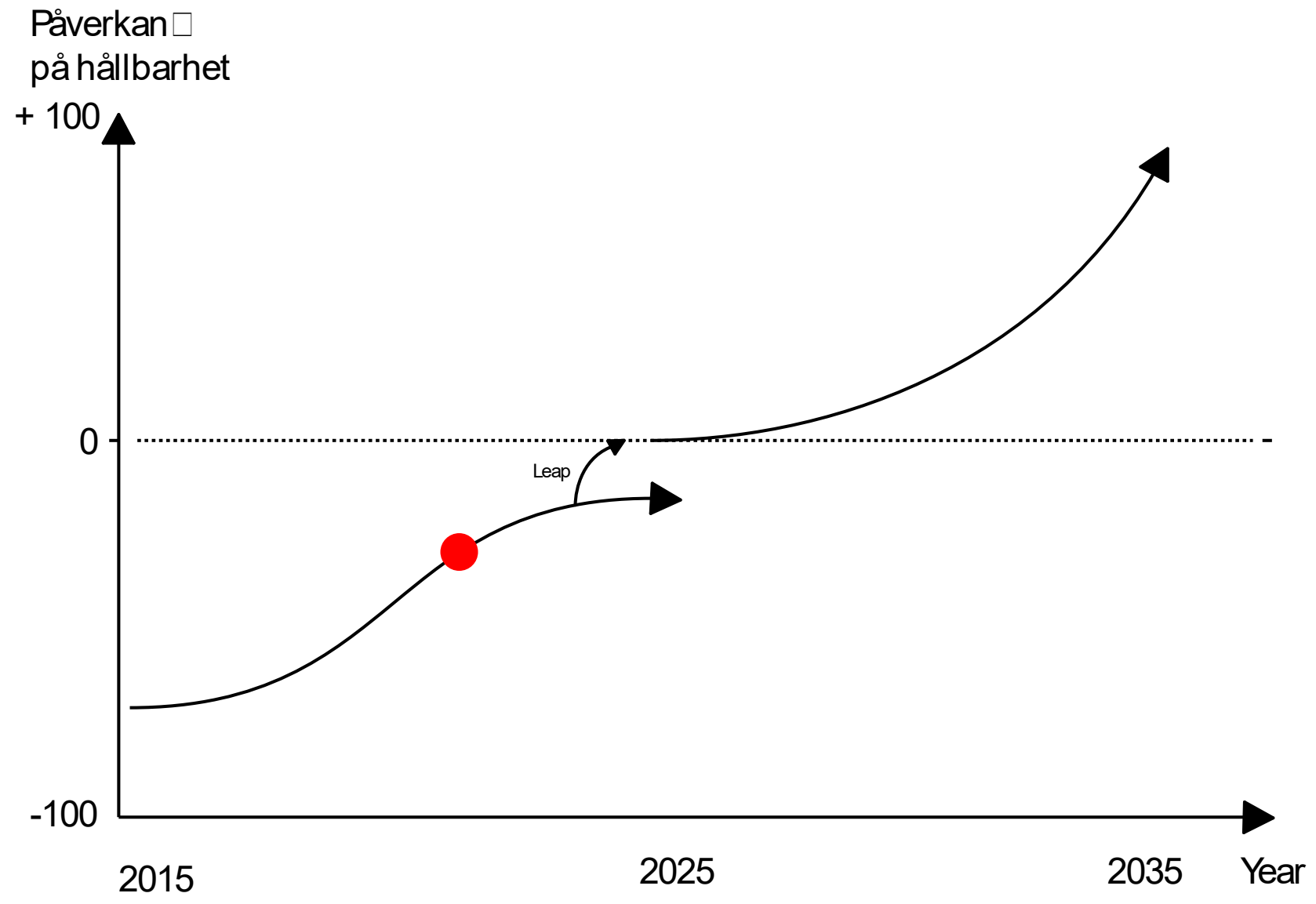


Source: Tecnon OrbiChem

materials



"SUSTAINABILITY"



Synthetic fibers

~62 % of all fibers.

Polyester is 83 % of all synthetic (52 % of all fibers).

Approx. 15 % of all Polyester is from recycled sources (mainly from PET bottles)

Polyamide (Nylon) is approx. 5% of all fibers (But are PA6, PA66, PA11, PA46)

Other synthetics are in total ~5,2%

Synthetic fibers are usually made from crude oil but can be found with a biobased source (< 1%).

Cotton

24,2 % of all fibers.

Preferred* virgin cotton is approx. 30 % of all cotton. (* BCI
a.o. Organic och Fairtrade)

Mechanically recycled cotton is less than 1%.
It will drop in fiber length and is usually a part of new blends (often
together with recycled polyester staple fiber).

Chemical recycling of cotton is base for MMC fibers.

Man-made cellulosic fibers (MMC)

5,9 % of all fibers.

Viscose is the biggest with a share of approx. 80 % of all MMC.

Acetate is approx. 13% (mainly nontextile products)

Lyocell 4 %, Modal approx. 3 % and Cupro 0,2 %

For MMC materials to be classified as "preferred" must both forestry and production be controlled.

This part of the total MMC production is 55-60 % of the total production.

Protein(Animal) fibers

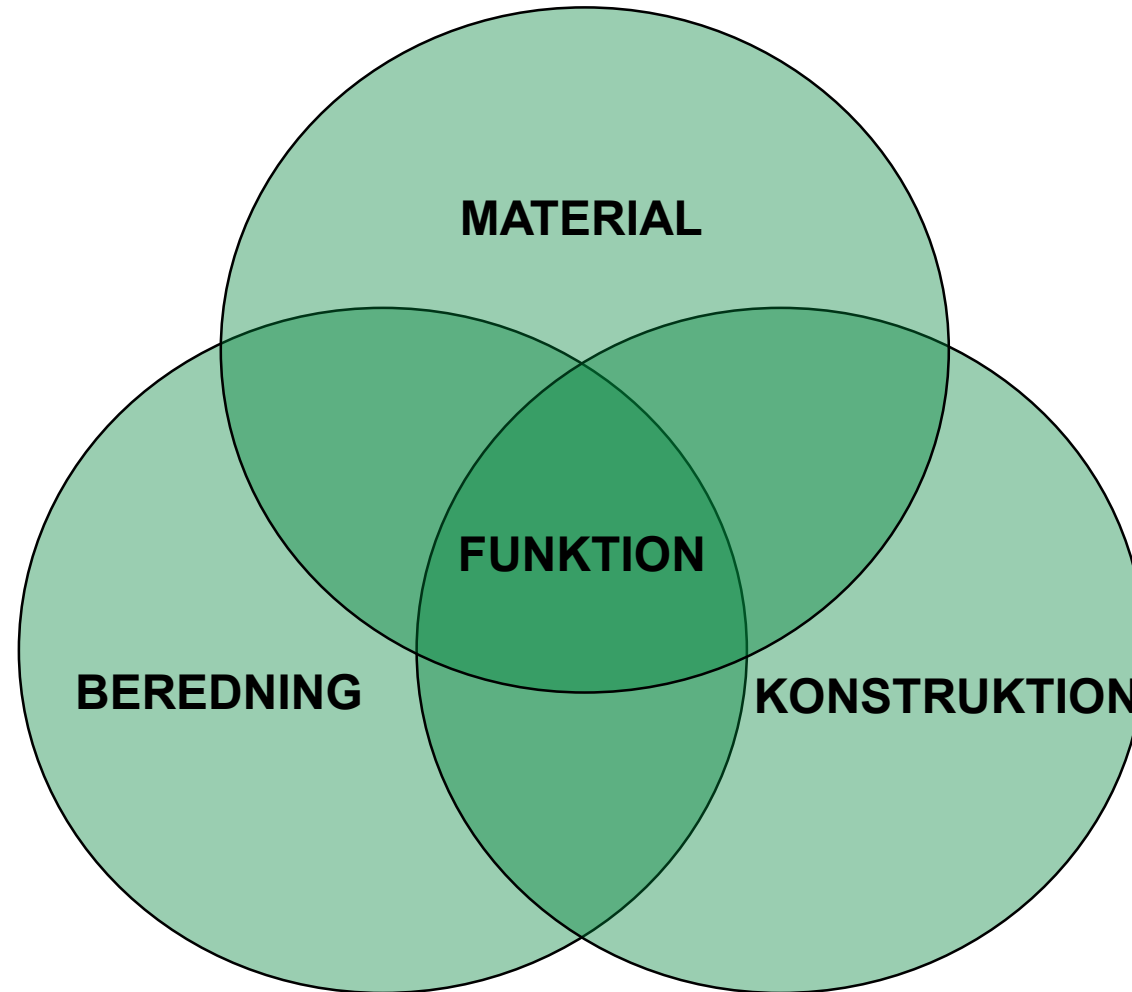
Wool is the biggest fiber and is approx. 1 % of all fibers.

Sheepwool is 95 % of all wool. Other 5 % is Mohair, Kashmir, Alpaca, Angora, Lama and other.

Of all wool is only approx. 3 % classified as "prefered", organic and/or certified responsible production.

Silk is only approx. 0,01 % of all fibers.

Material - Funktion



**FUNKTION = "SYFTET FÖR VARFÖR
NÅGOT ÄR UTFORMAT ELLER
EXISTERAR."**

LONGEVITY = LÅNG **AKTIV LIVSLÄNGD**

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ÄR DET INTE
HÅLLBART,
ÄR DET INTE
HÅLLBART!

RE:STORE



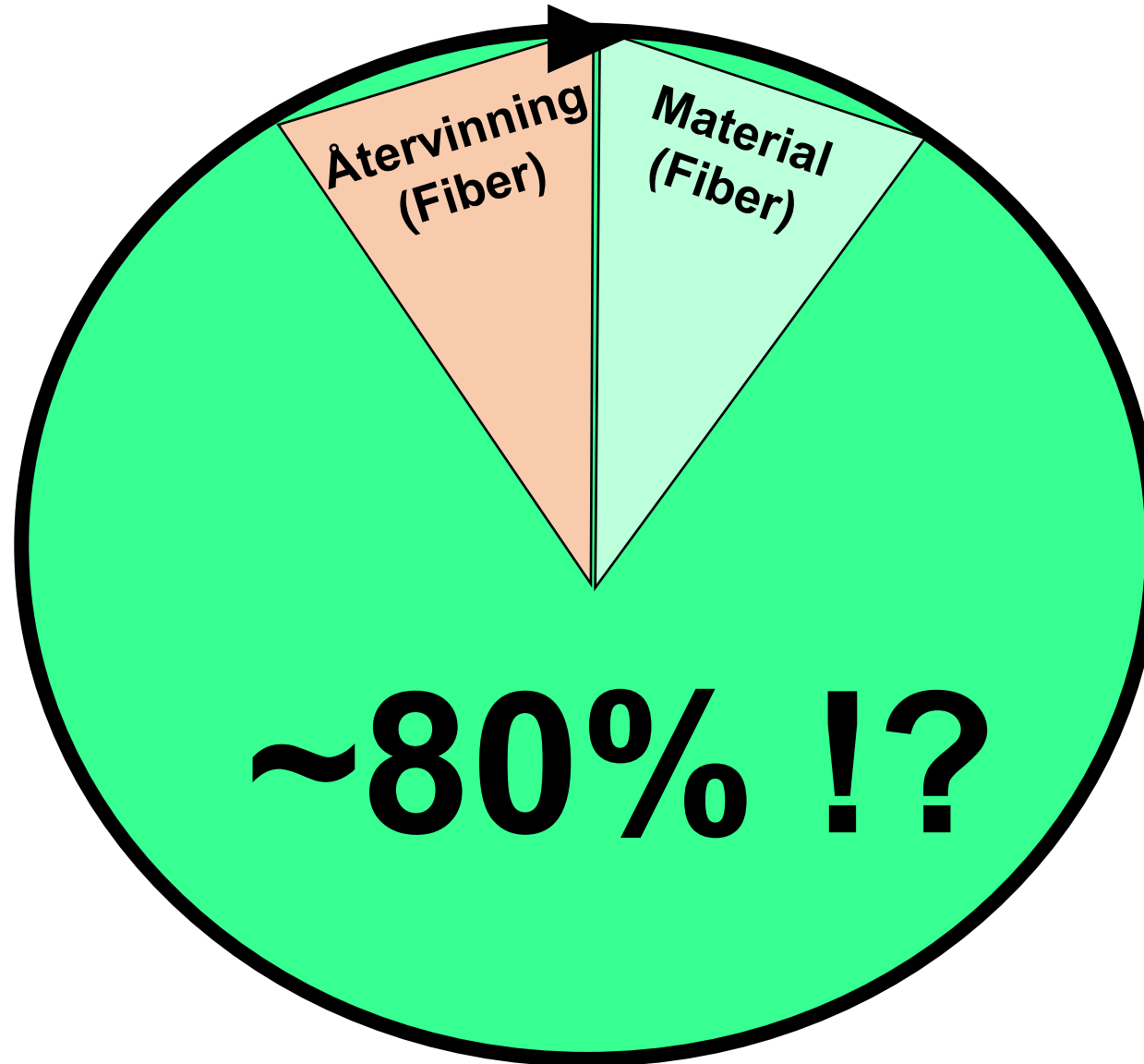
KONSTRUERA

DEKONSTRUERA

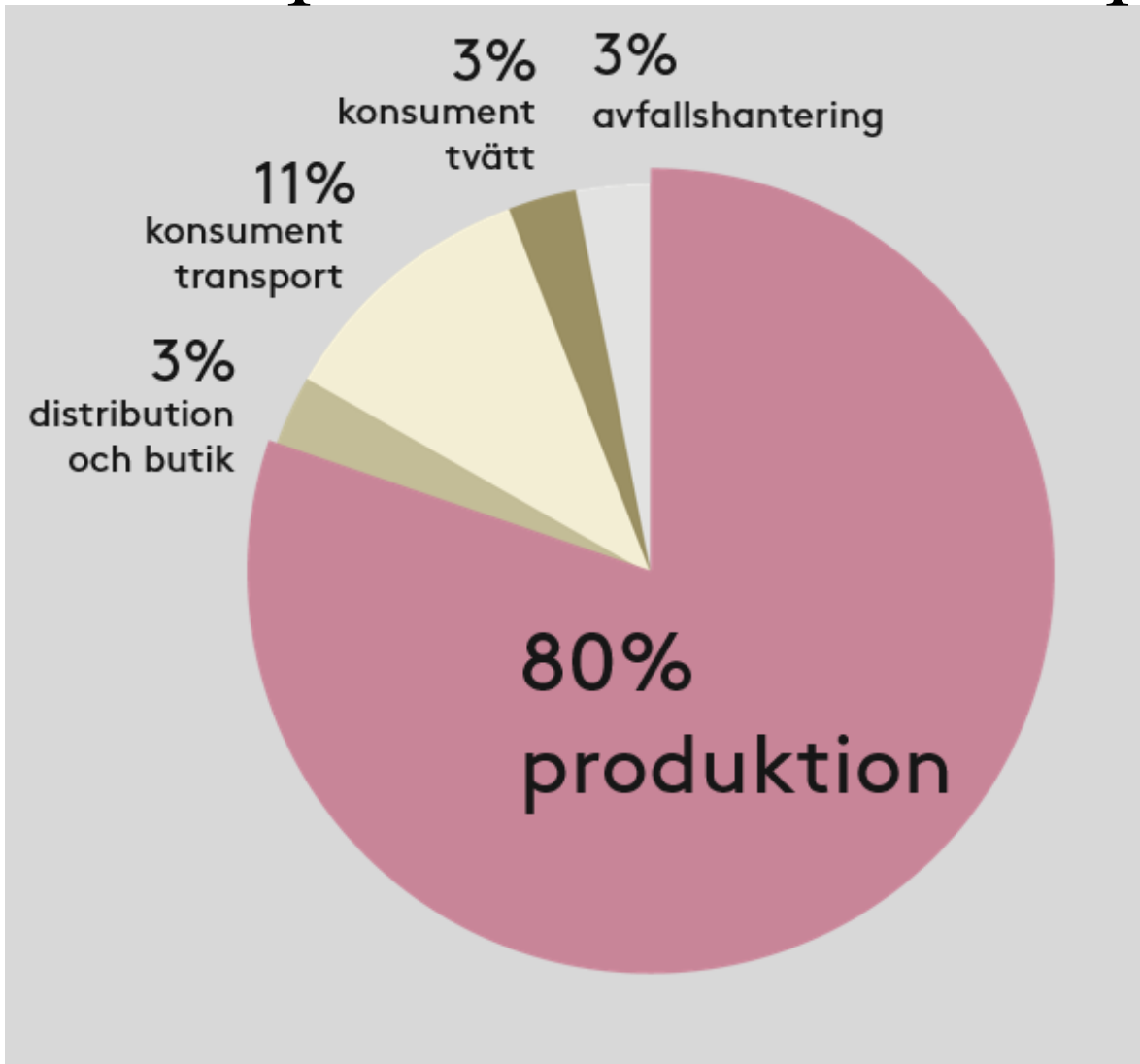
If it's broke, fix it



Cirkularitet



80% of the climate impact from Swedish clothing consumption comes from the production phase.

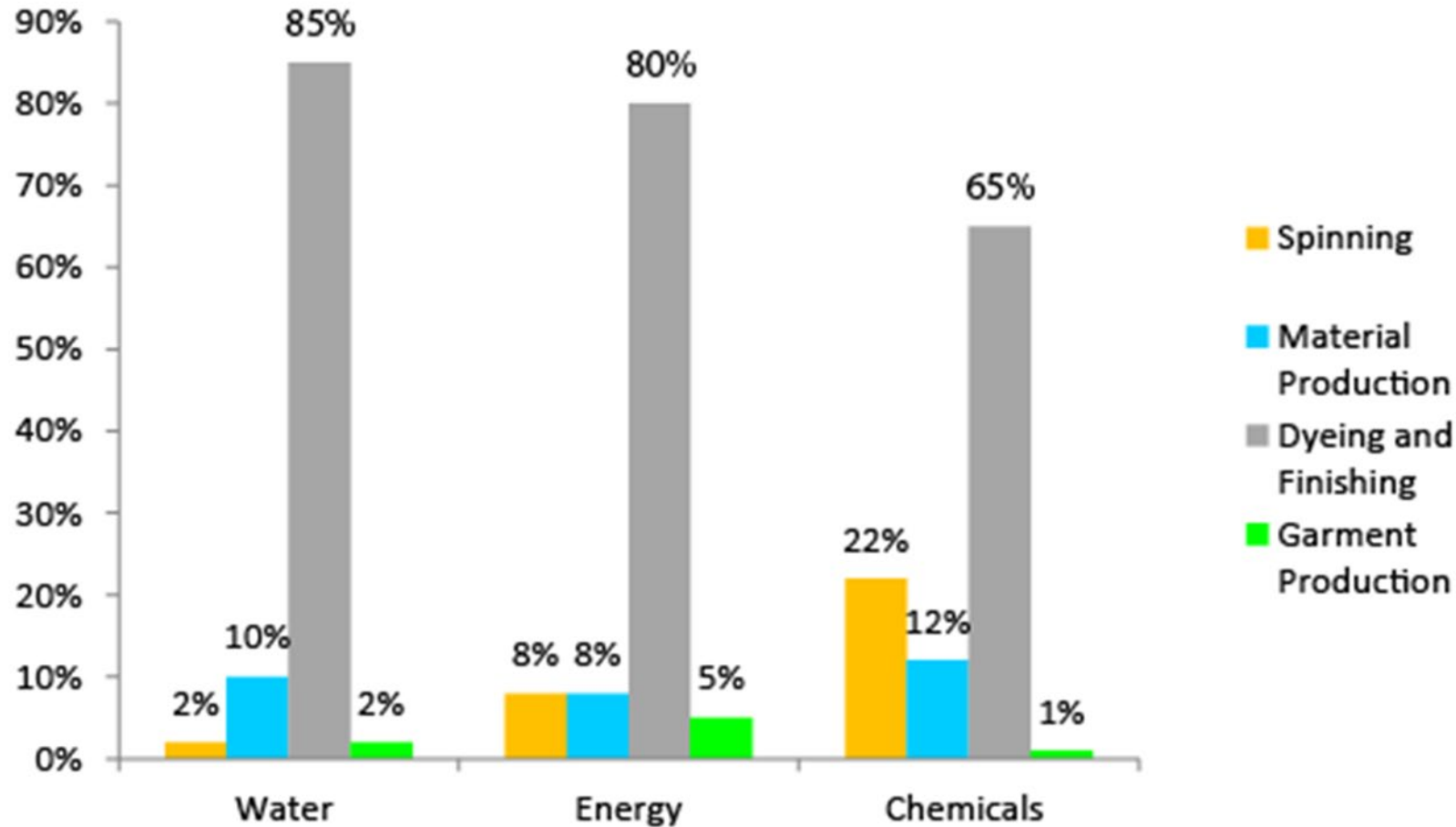


Source:

Environmental assessment of Swedish clothing consumption (september 5, 2019)

Author: Gustav Sandin, Sandra Roos & Björn Spak (RISE)
Bahareh Zamani & Greg Peters (Chalmers University of Technology)

Resource use in textile industry.



Source IPE, 2012



Källor till kemikalier i textil

För att bättre förstå var och varför olika kemikalier kan finnas i en textil delar upp dem i grupper baserat på när och varför de tillförts.

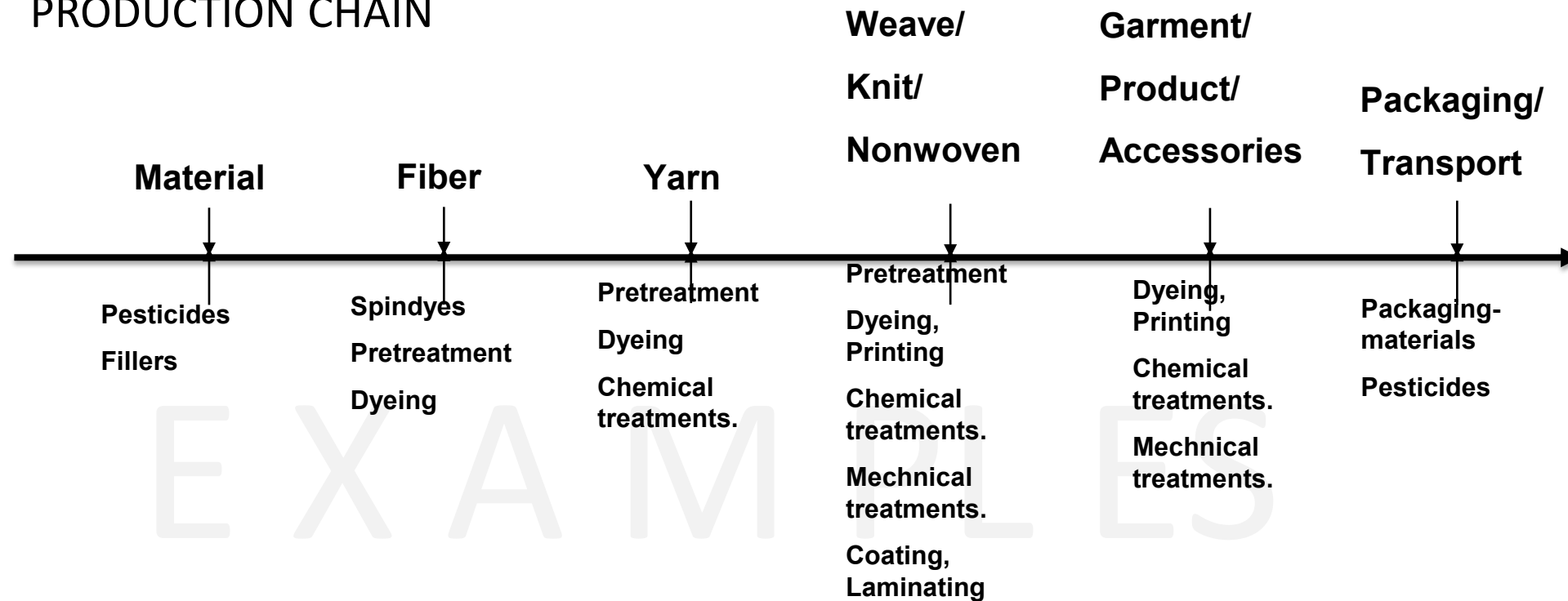
- Inkommande material
- Processkemikalier
- Funktionskemikalier
- Föroreningar

DYEING AND FINISHING =

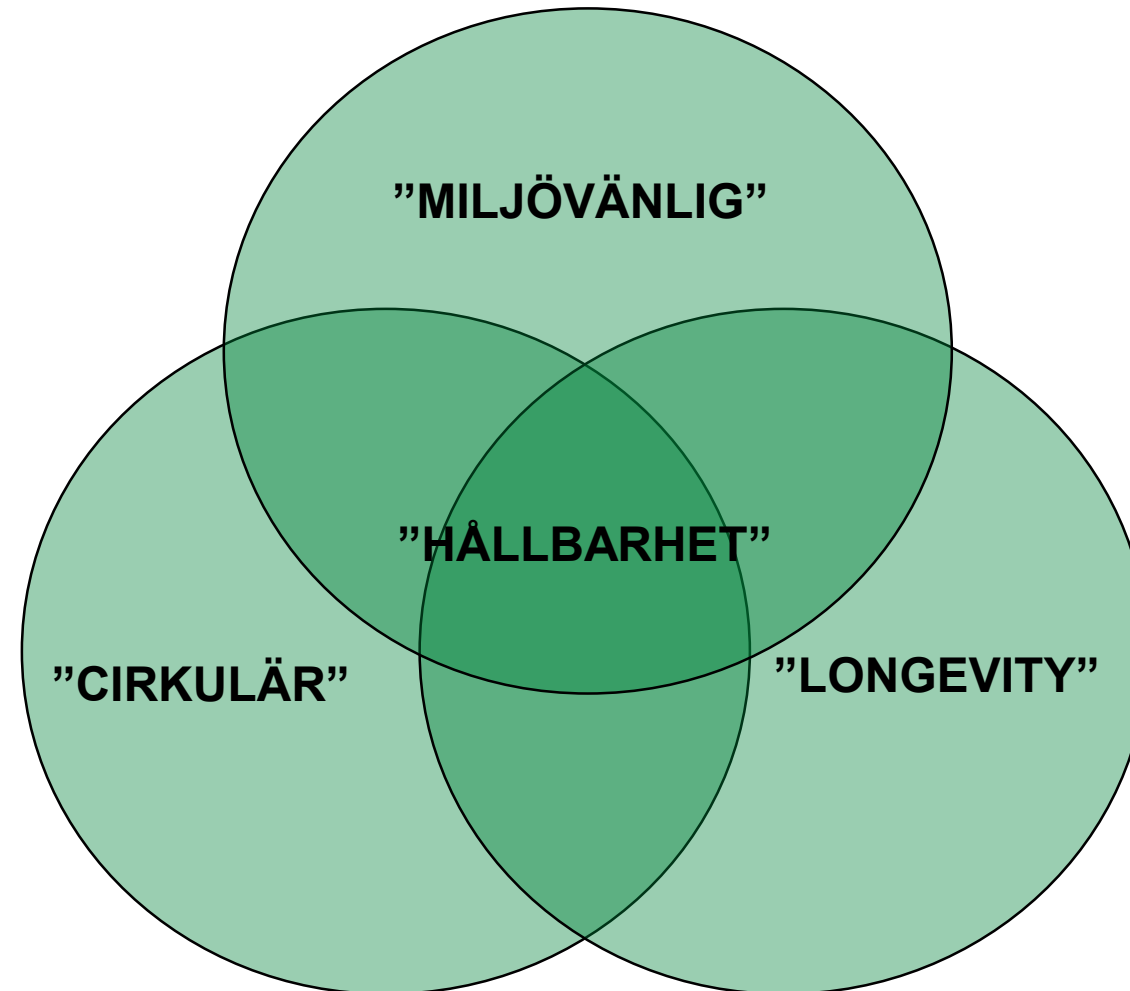
FUNKTIONALISIERUNG

= BEREDNING

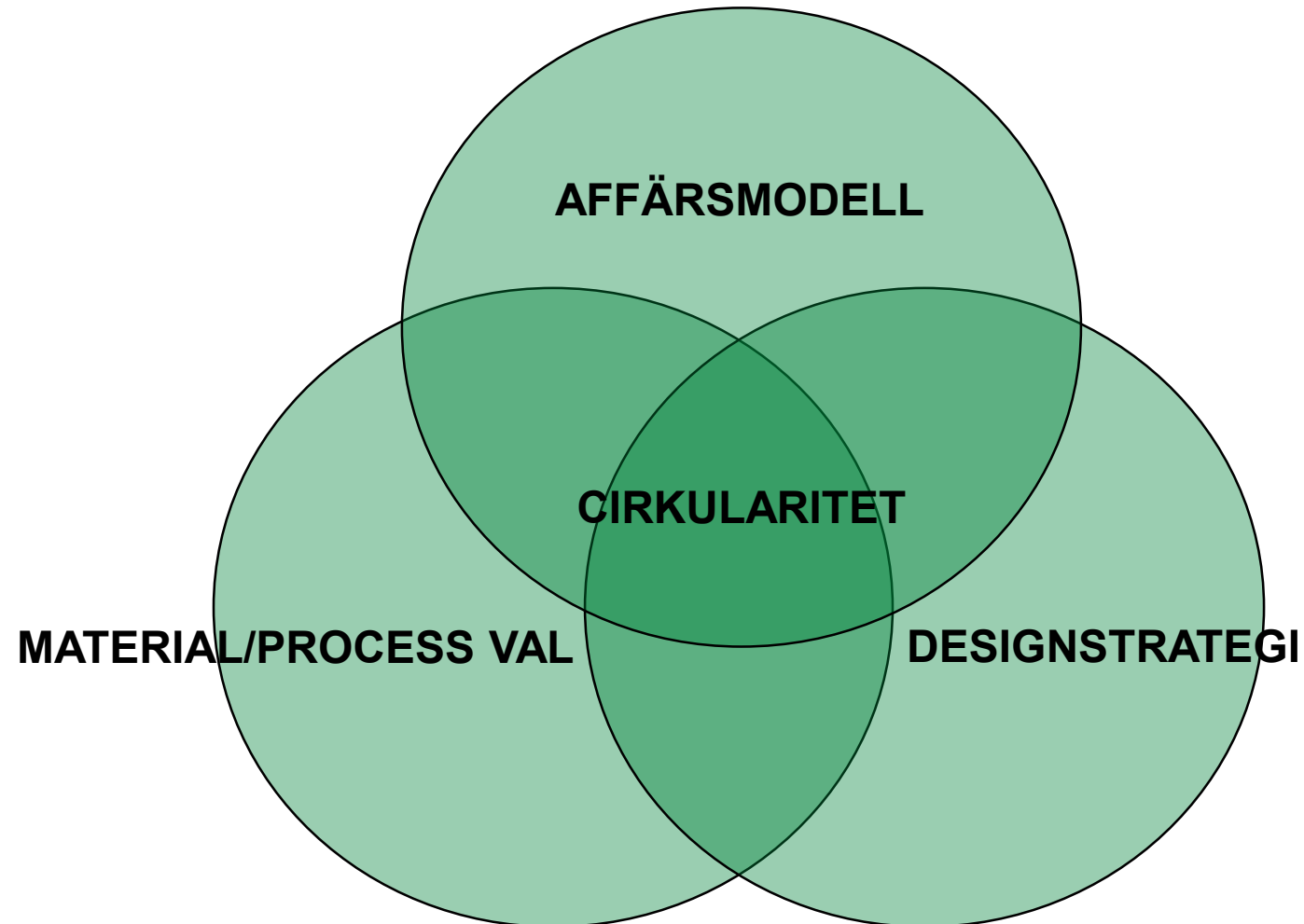
PRODUCTION CHAIN



När blir det hållbart?



När bli det cirkulärt?



Gör rätt val?

Användning vs. Livslängd

Material vs. Funktion

Utveckling vs. Substitution

FUNKTION = "SYFTET FÖR VARFÖR NÅGOT
ÄR UTFORMAT ELLER EXISTERAR."

LONGEVITY = LÅNG **AKTIV** LIVSLÄNGD

RESILIENS = "DEN LÅNGSIKTIGA
FÖRMÅGAN HOS **EN PRODUKT** ATT
HANTERA FÖRÄNDRINGAR OCH
FORTSÄTTA UTVECKLAS."

Marknadsdialog – Cirkulära arbetskläder, så får vi det att hända tillsammans!



SLUT - TACK!