

# WHAT IS TEXTILE

Next Technology Tecnotessile

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**What is TC?**

## **Textile cycle**

A set of phases and processes necessary  
to produce a textile product, mostly  
composed by textile fibers

## What is TC?

# Textile product

A textile product is defined as a product that, regardless of the production technique and the stage of processing, is composed exclusively of textile fibers (art. 2, paragraph 1 d. lgs. 194/1999).

Textile products also include: products containing at least 80% by weight of textile fibers, textile components designed for coverings that constitute at least 80% by weight, and all textile products incorporated into other products as an integral part – provided that their composition is specified (art. 2, paragraph 3 d. lgs. 194/1999).

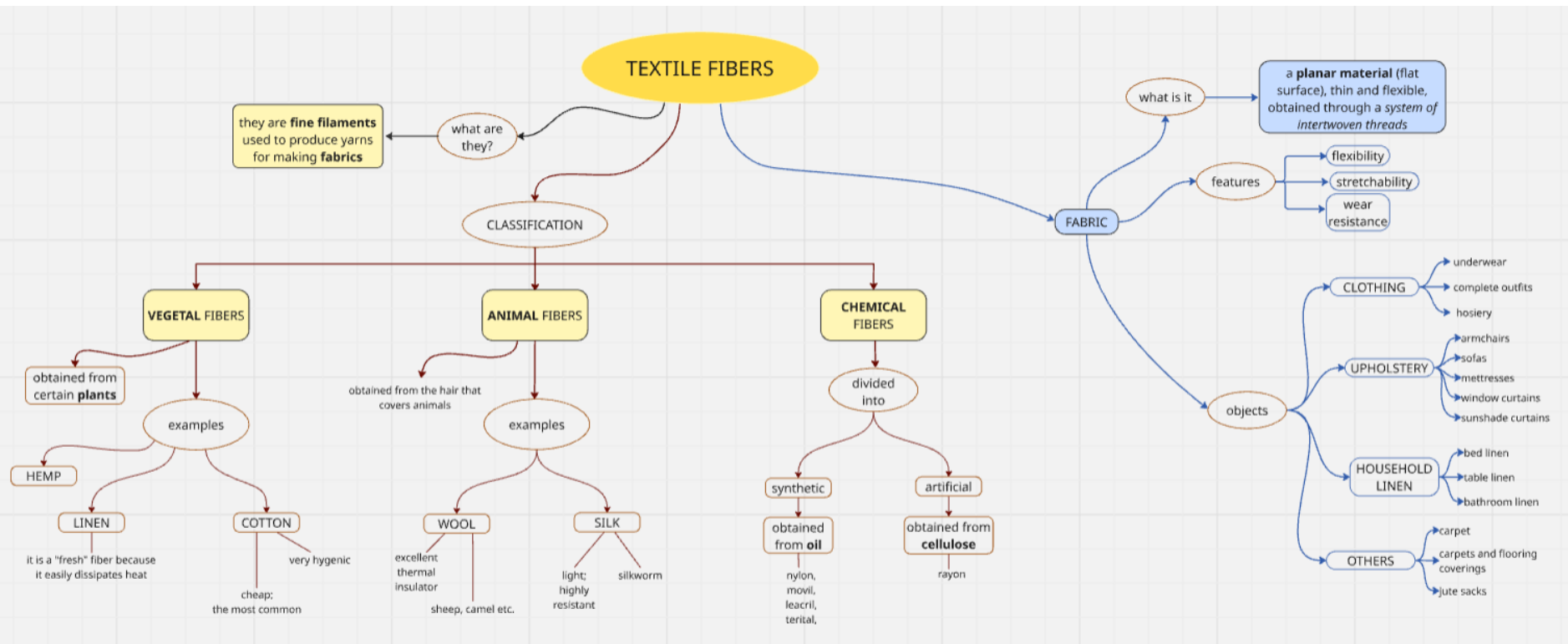


## What is TC?

### Textile product

- ✓ Fibers
- ✓ Yarns
- ✓ Fabrics (raw, finished)
- ✓ Nonwoven fabrics
- ✓ Knitted fabrics
- ✓ Raw fabrics
- ✓ Composites
- ✓ Ready-made garments

# FIBERS



## APPLICATIONS

### Textile product

- ✓ Clothing
- ✓ Furniture
- ✓ Technical applications  
(transportation, agriculture,  
construction, aerospace etc.)
- ✓ ...



## What is TC?

### Production sectors

- ✓ Spinning sector
- ✓ Orthogonal weaving sector
- ✓ Knitting/socks weaving sector
- ✓ Finishing sector
- ✓ Garments manufacturing sector (knitwear/fabric)
- ✓ Various textiles sectors: laces/embroidery, nonwovens/felts)

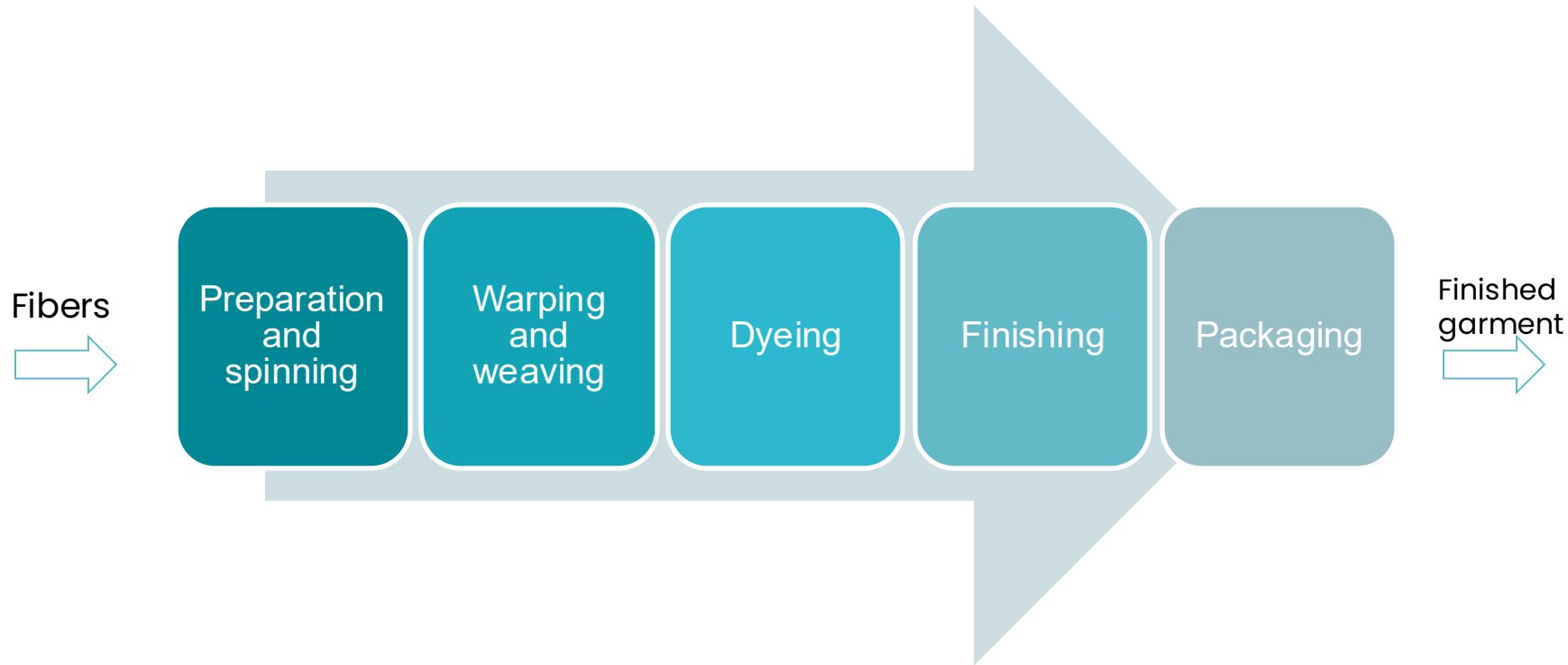


# What is TC?

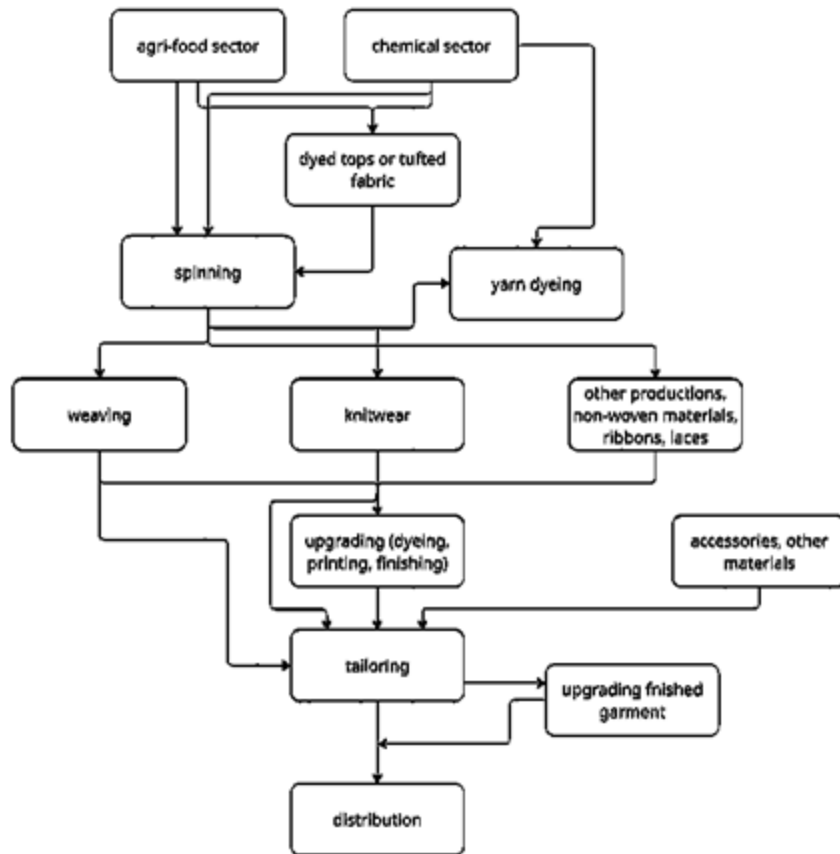
## **CLOTHING** system

Refers to the production of finished garments made from completed fabrics

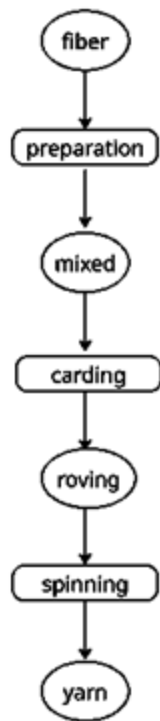
# What is TC?



# PRODUCTION CYCLE



## WOOLEN CARTED SPINNING



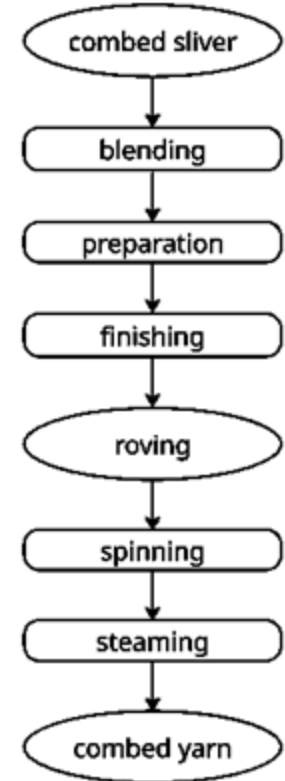
## SPINNING CYCLE



# SPINNING CYCLE

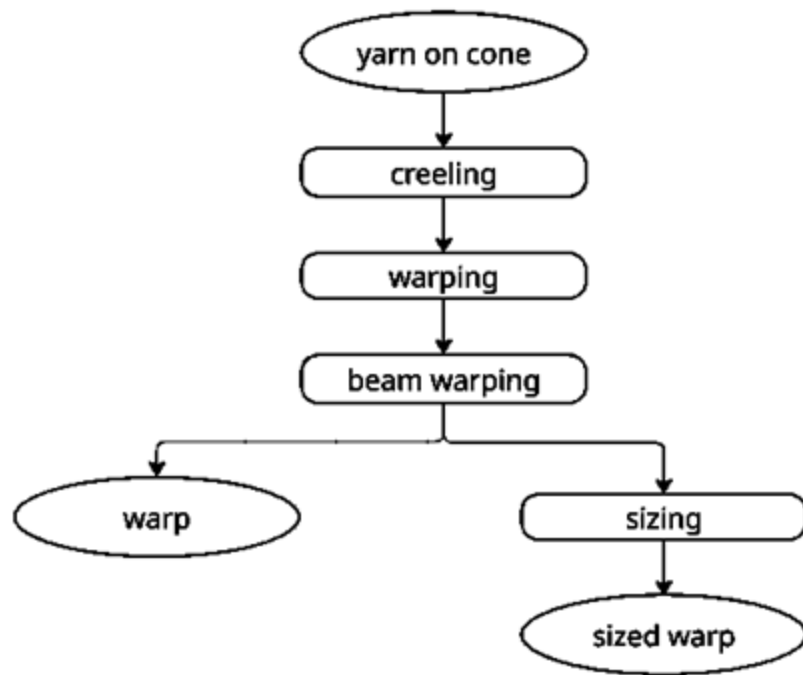


## WORSTED WOOL SPINNING

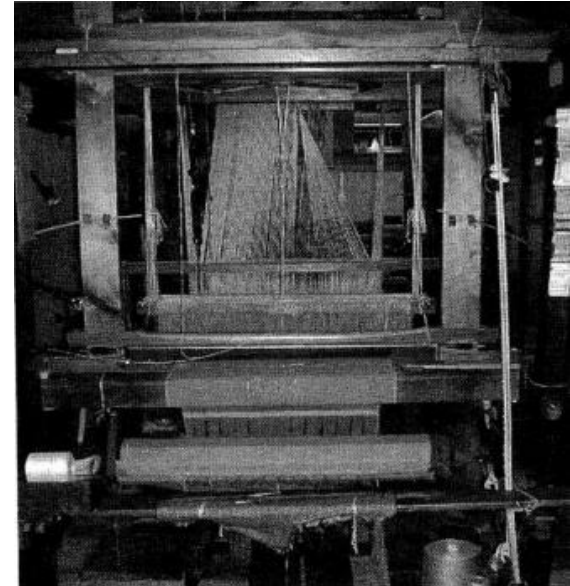
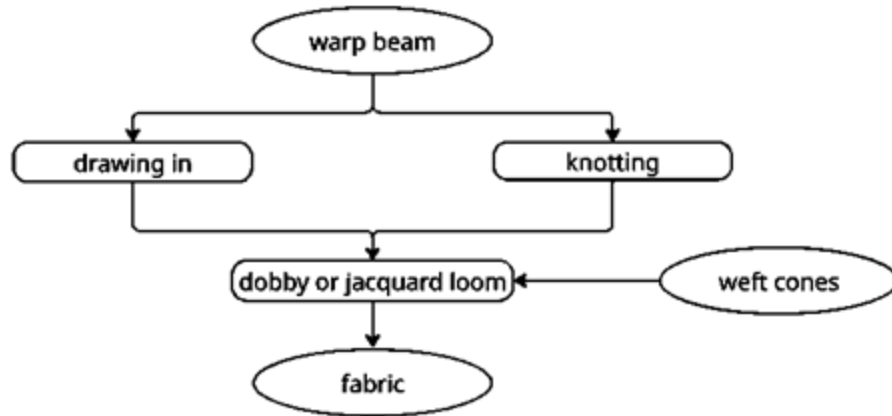


# WEAVING CYCLE

## WARPING AND SIZING

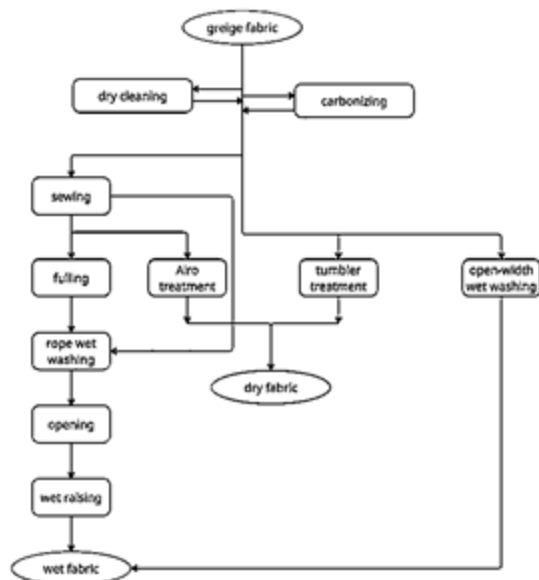


# WEAVING AND FRAMES



# FINISHING

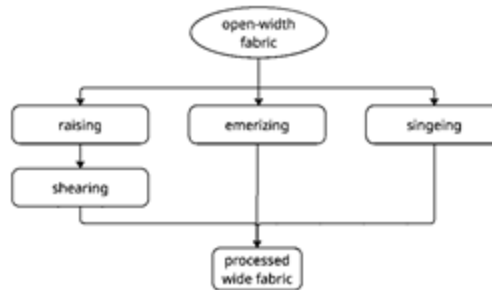
## WET FINISHING



## DRYING



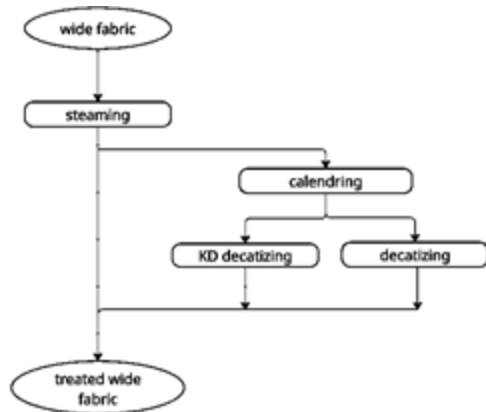
## DRY FINISHING



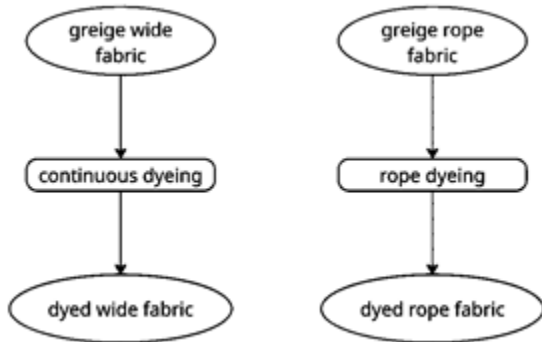


# FINISHING

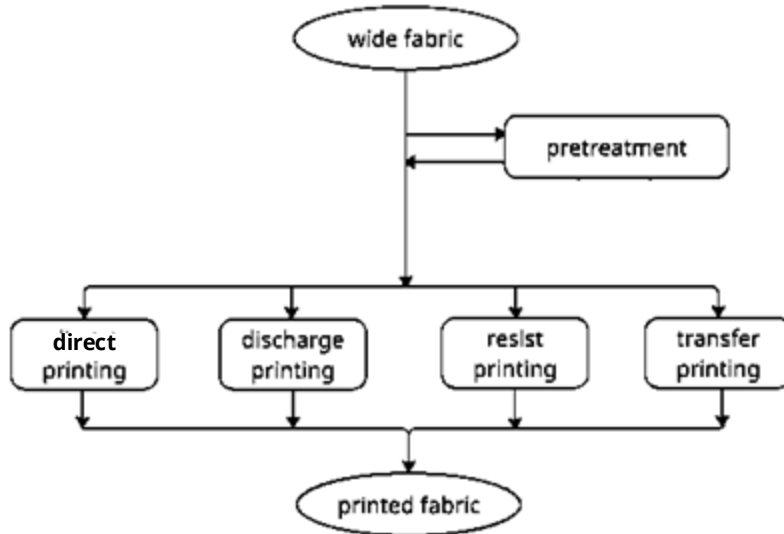
## SETTING



## PIECE DYEING

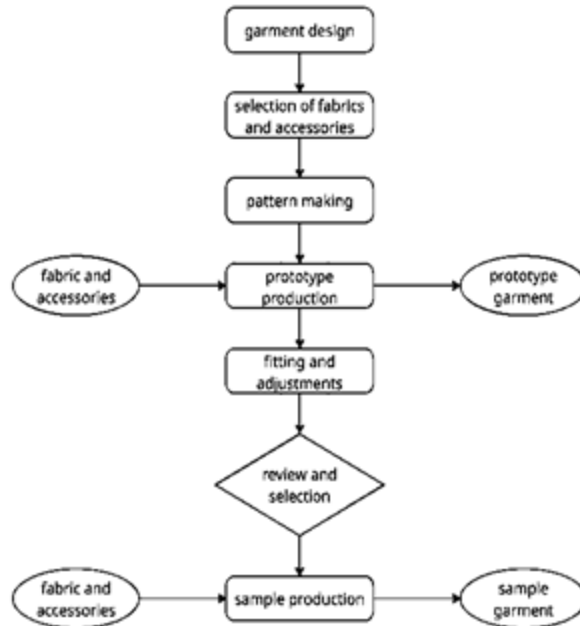


## PRINTING



# THE PACKAGING CYCLE

## CLOTHING DESIGN



Ideation  
FASHION  
DESIGNER



Pattern Making  
PATTERN MAKER

# THE PACKAGING CYCLE

## PACKAGING



Transformation of fabric into a pattern  
and a range of sizes

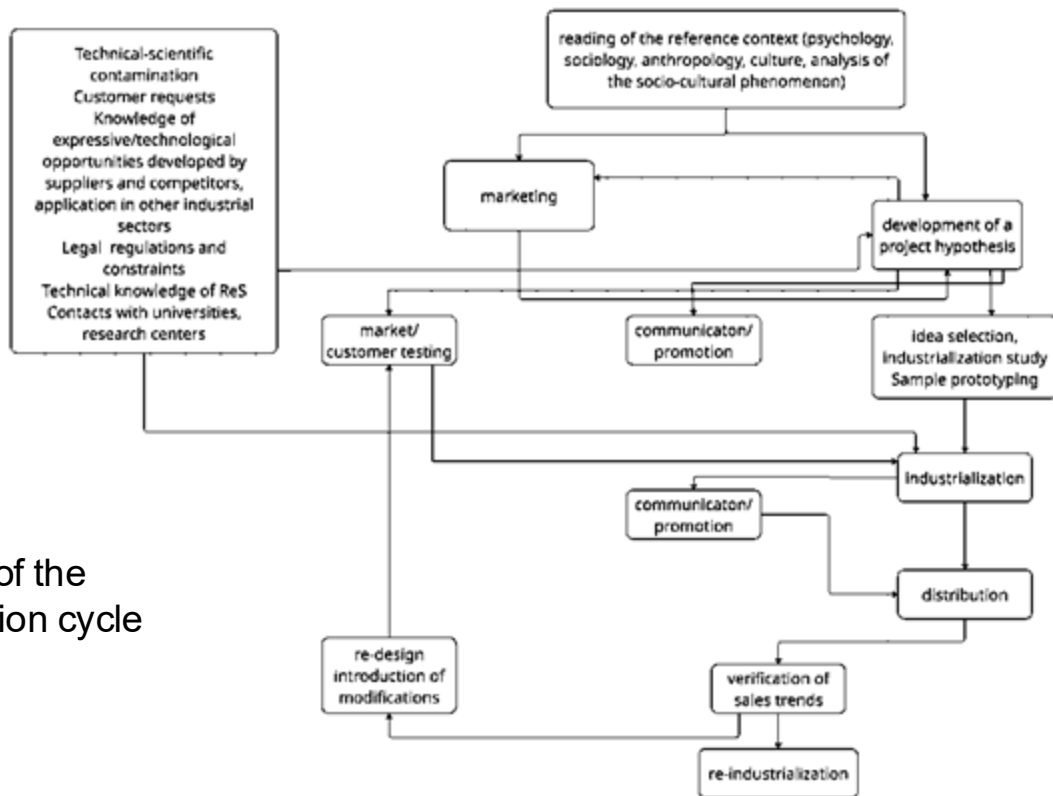
READY-TO-WEAR

Design and production

SCHEDULED

Order receipt and production

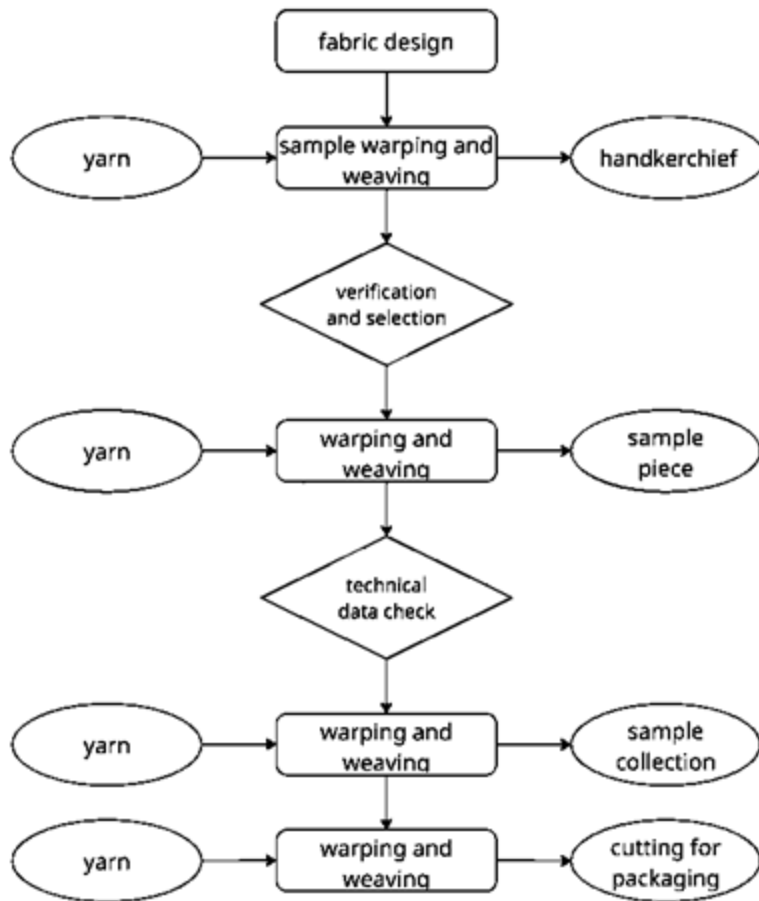
# CHAIN OF THE DESIGN CYCLE



Value chain of the  
ideation-production cycle

## SAMPLE DESIGN AND PRODUCTION

### CHAIN OF THE DESIGN CYCLE



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