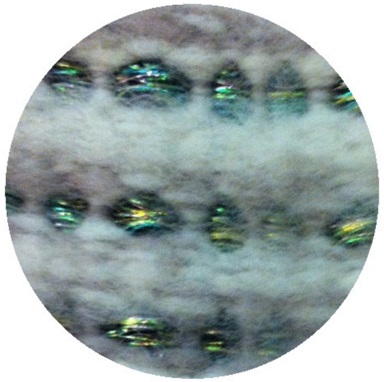
TOWARDS A DESIGN-LED UNDERSTANDING OF BLENDS FOR RECYCLABILITY

Laetitia Forst - UAL

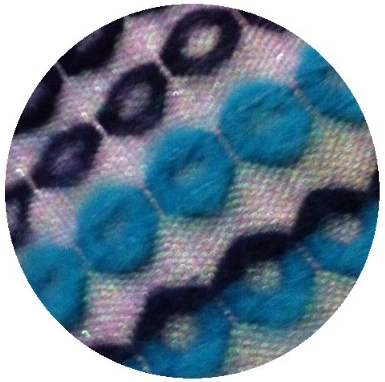
Textiles for Disassembly: how can models for design for disassembly contribute to a circular economy for textiles?

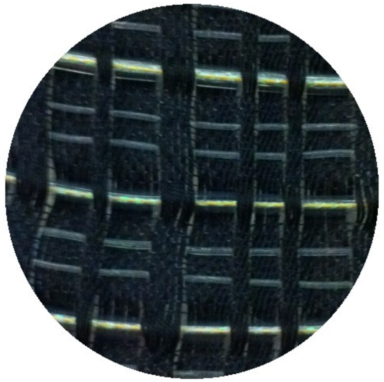
- Map the typology of blends
- Map the flows of recycling for textile blends
- Identify the barriers and opportunities for improvement by design
- Create design briefs for Design for Disassembly in textiles

Textile design

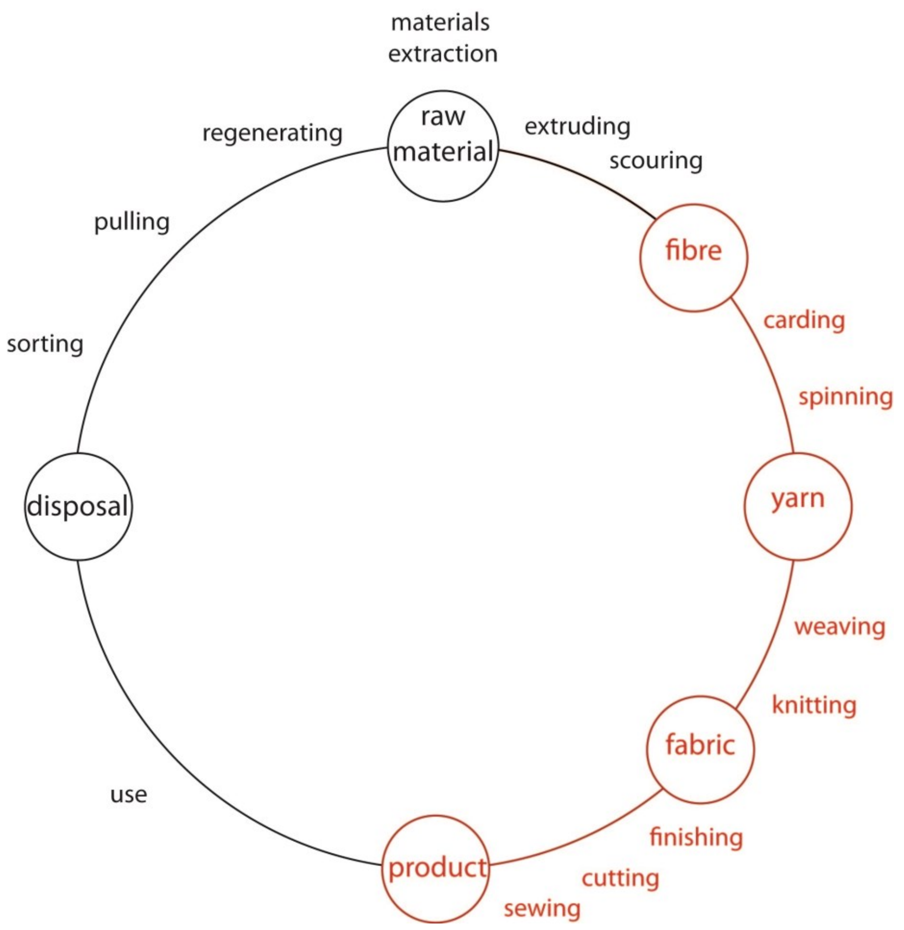




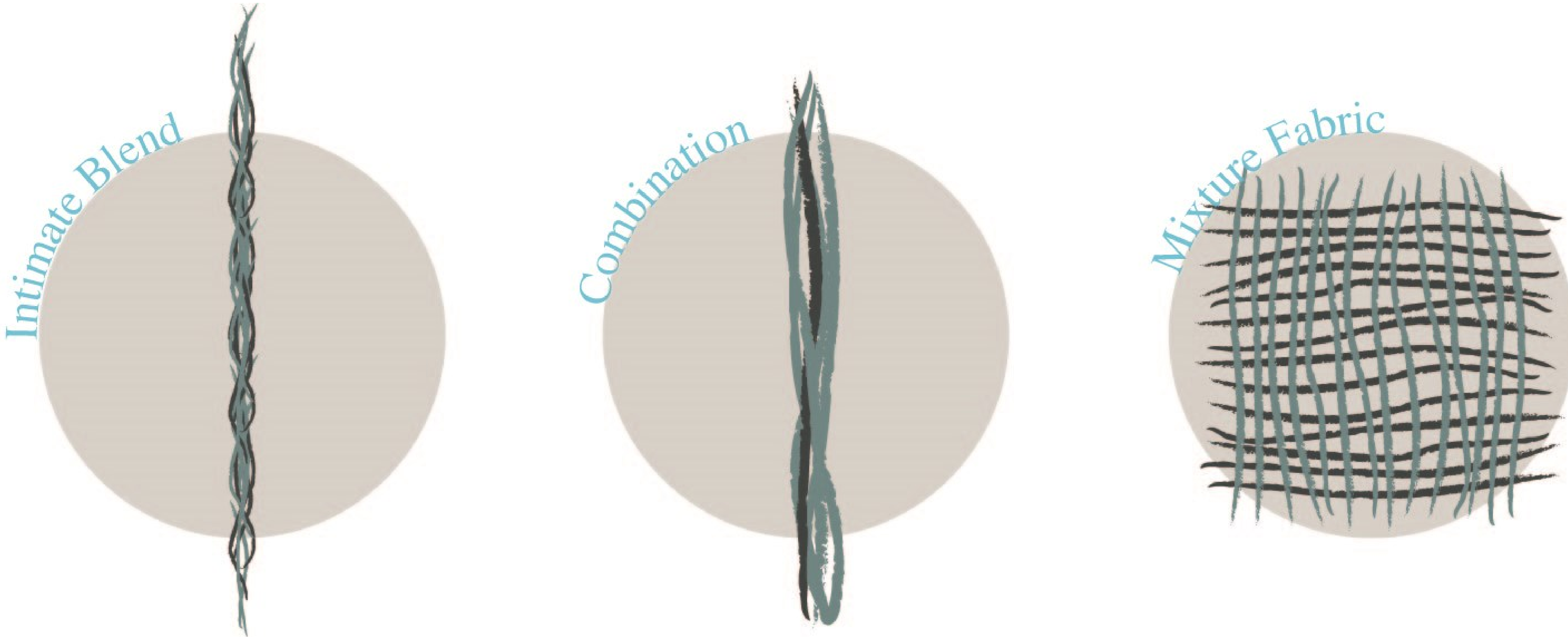





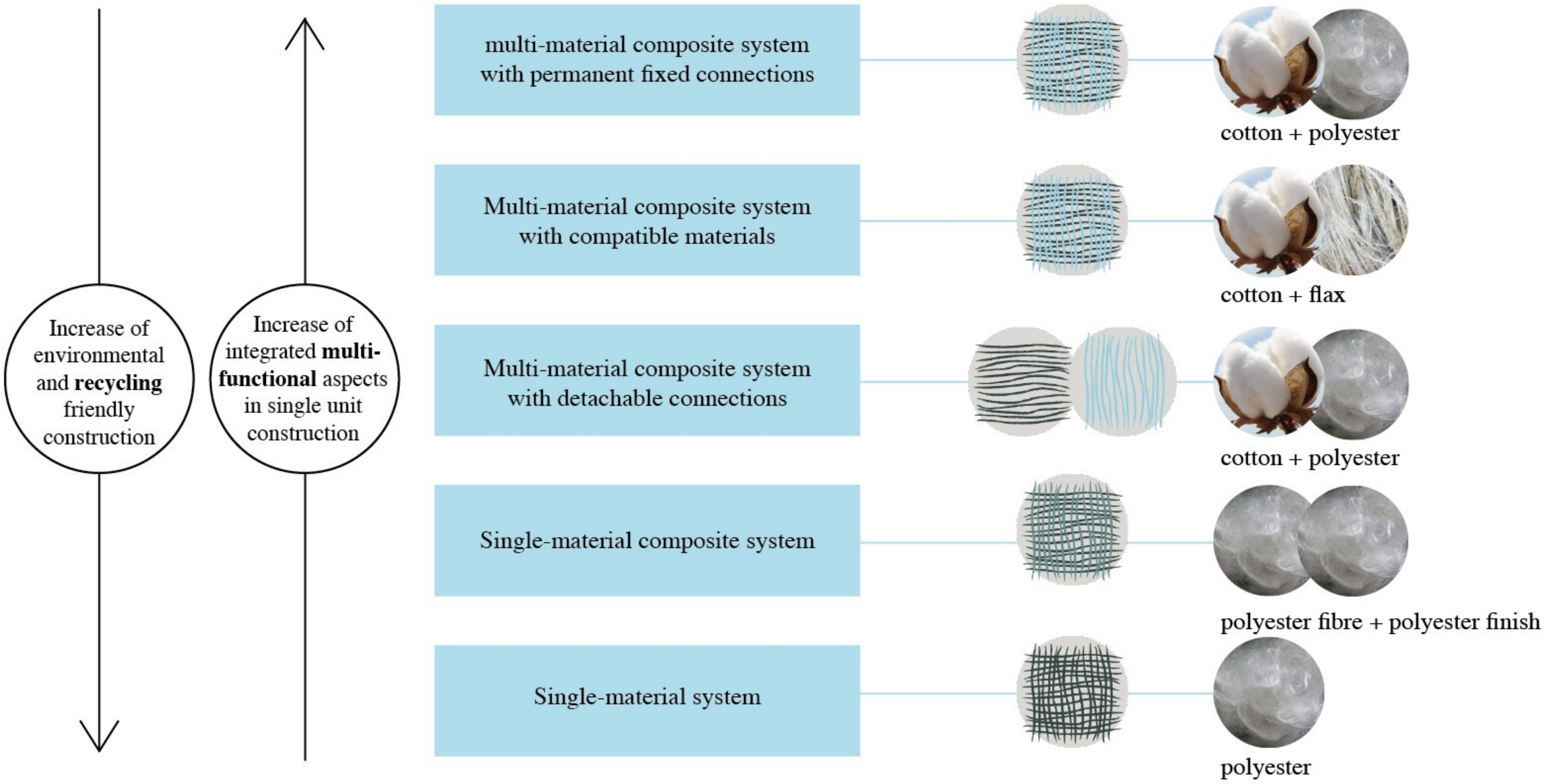
The designer's role in material creation for the circular economy



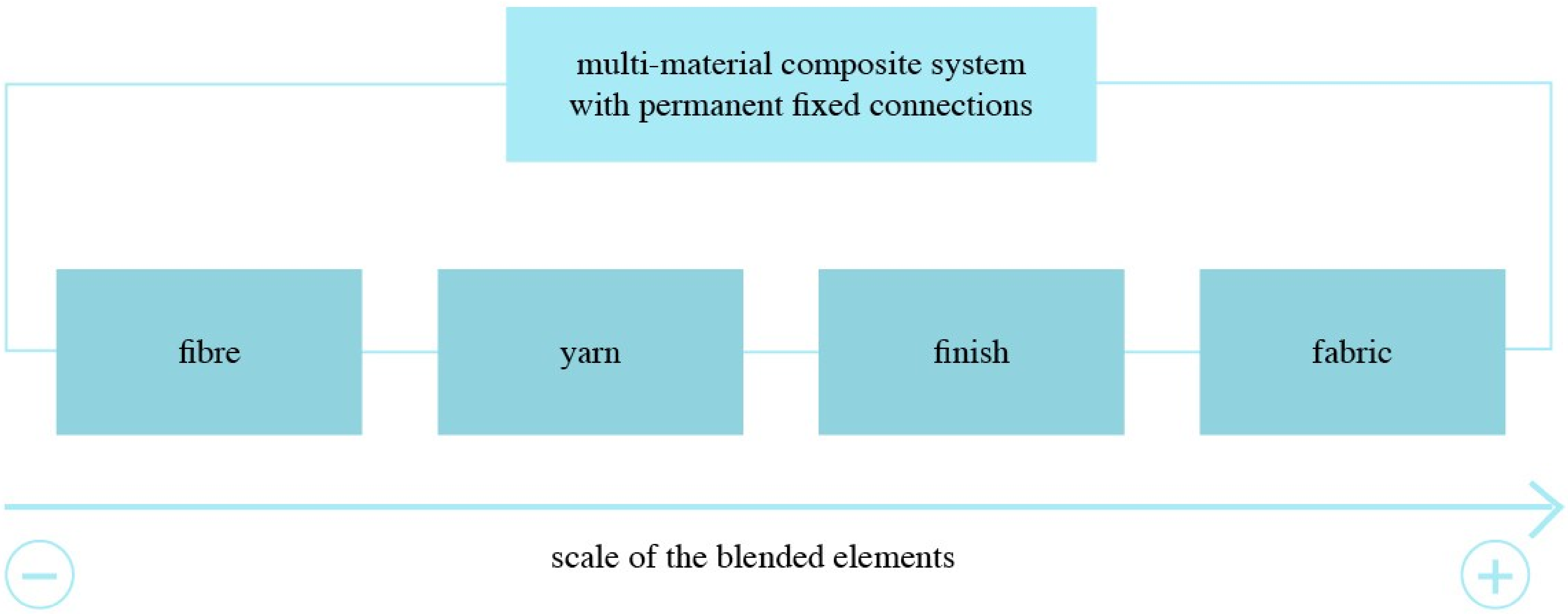
Defining blends in the circular economy



Classifying blends



Scales in blends



ual: university of the arts london

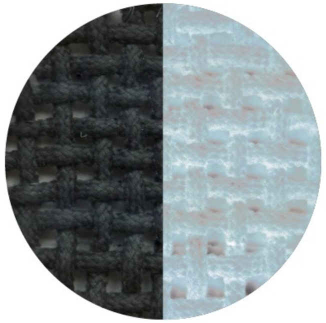
Design-led understanding

Covered yarn

Combination yarn

Intimate blend Yarn

Mono-material yarn (type 1 or 2)



Mono-material weave (type 1 or 2)

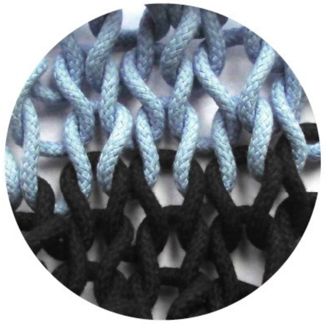
Mono-material yarn warp and intimate blend weft

Intimate blend fabric and mono-material yarn embroidery

Intimate blend and mono-material yarn knit

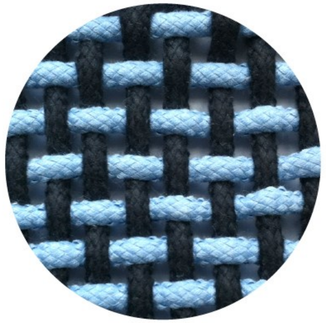
Intimate blend yarn weave

Intimate blend yarn knit



Stripe knit

Combination yarn knit



Mixture fabric, type 1 warp and type 2 weft

Mono-material type 1 weave with type 2 decor

Type 1 and 2 stiching

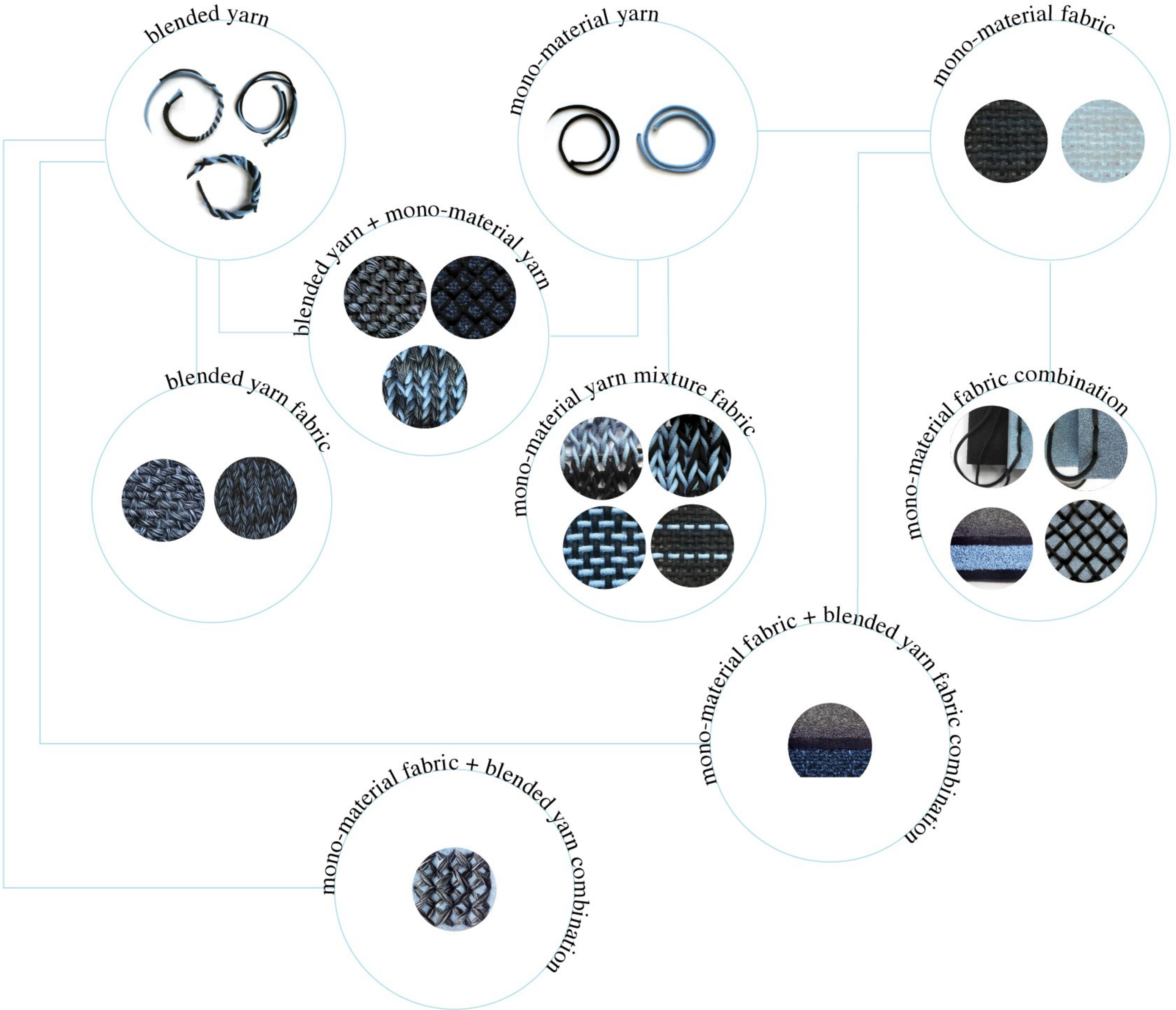
Mono-material type 2 stitching with type 1 yarn

Mono-material type 2 fabric with type 1 lamination

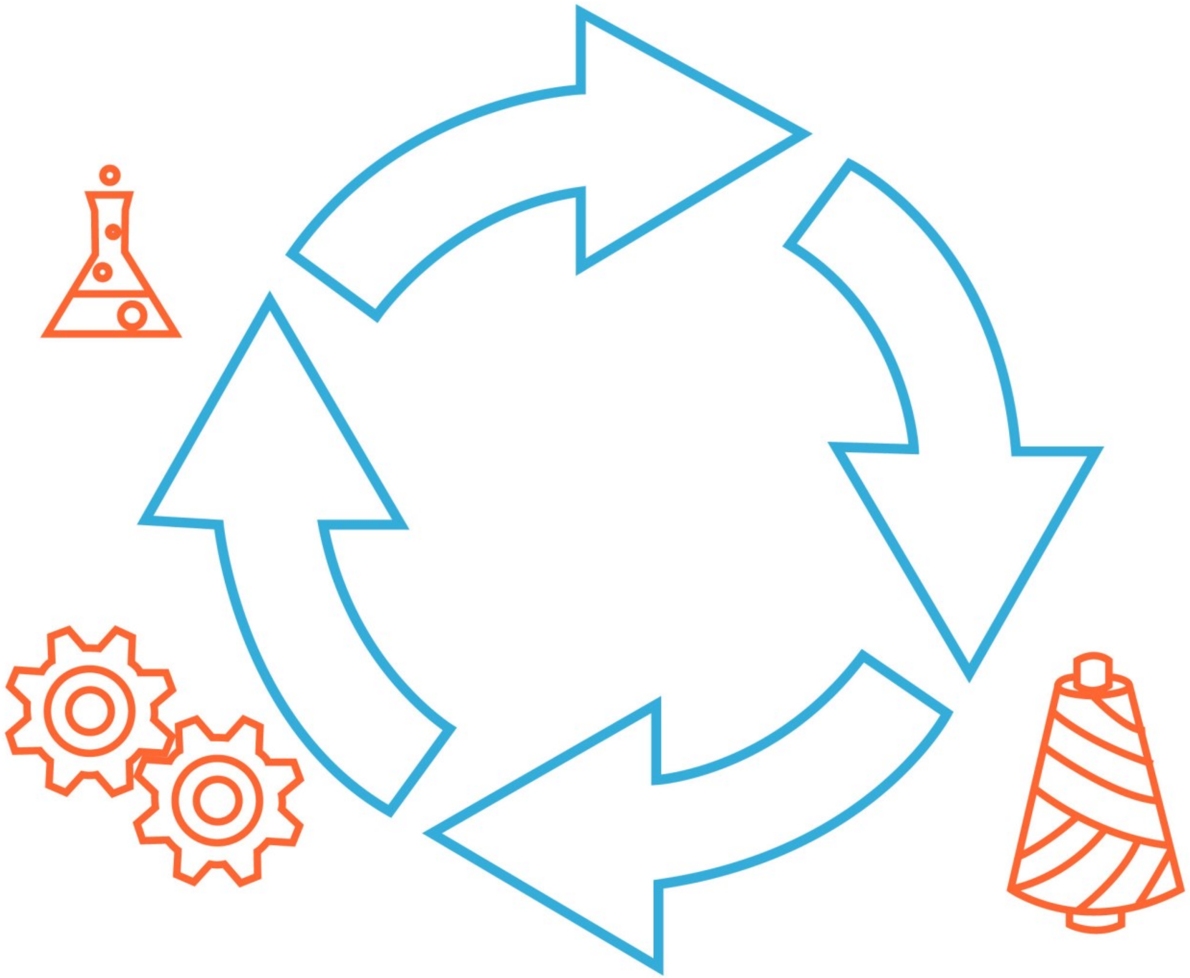
Mono-material type 2 fabric with type 1 yarn embroidery

Intimate blend fabric with type 1 lamination

Mono-material fabric with intimate blend yarn embroidery


blended yarn
mono-material yarn
mono-material fabric
blended yarn + mono-material yarn
blended yarn fabric
mono-material yarn mixture fabric
mono-material fabric combination
mono-material fabric + blended yarn fabric combination
mono-material fabric + blended yarn combination

From understanding blends to understanding systems



Conclusions and outcomes

- Added granularity to existing blend classification
- Visualisation of blend assembly methods
- Classification of families of blends according to intimacy
- Thinking ahead to design for disassembly

THANK YOU

Keep in touch:

l.forst0220161@arts.co.uk