

CircTex Protocol

*B2B – organised & controlled closed-loop
assurance*

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CircTex project

June 2023

CircTex Protocol

B2B – organised & controlled closed-loop assurance

- Based on CircTex project cooperation experiences
- Fitted to current circular textile status in development
- Striving for optimum and increasing circularity
- Convincing assurance
- Maximum transparency
- Minimum overhead costs

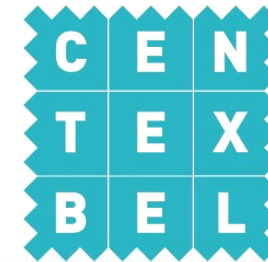


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CircTex Protocol – the project partners



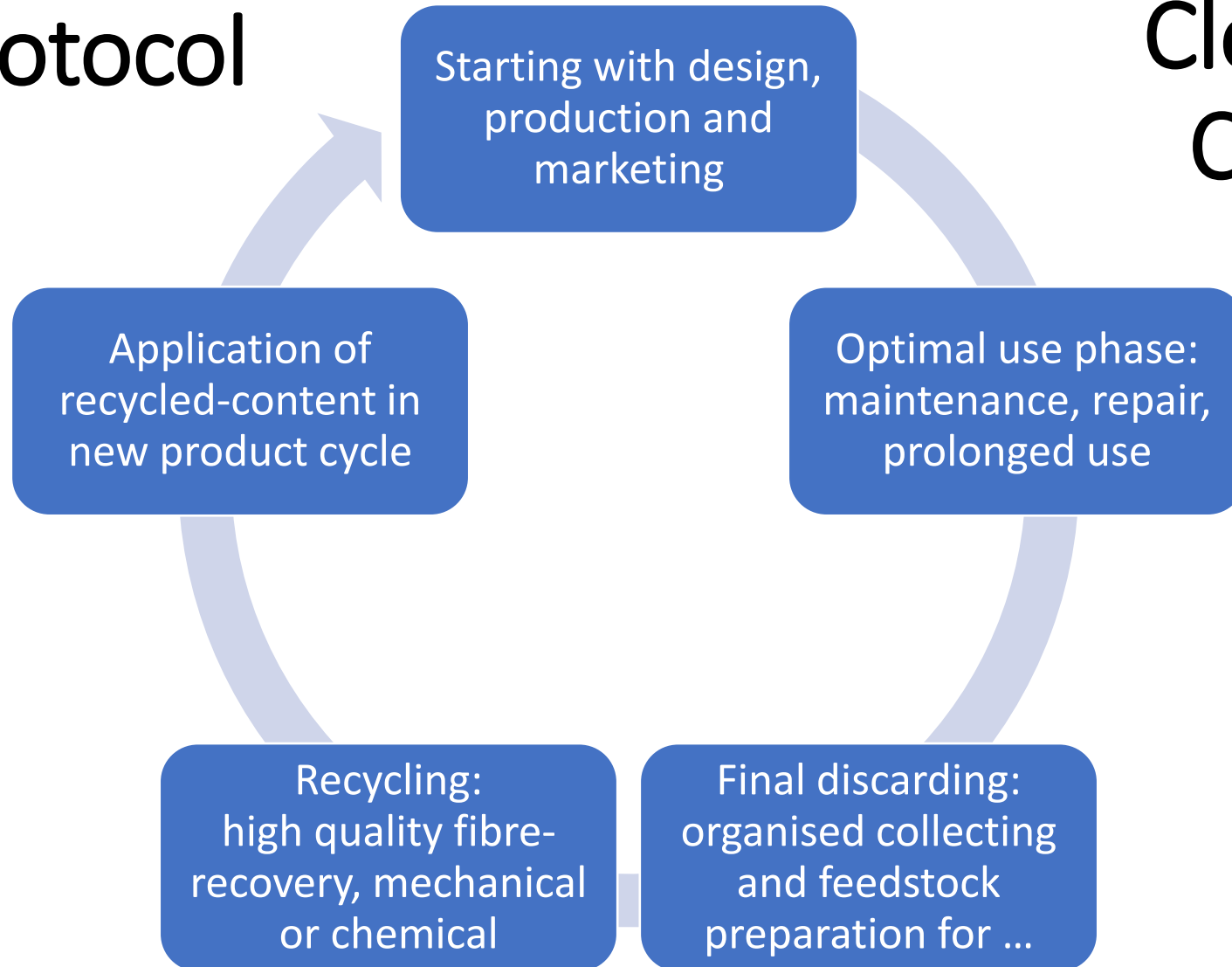
MODINT.





CircTex Protocol

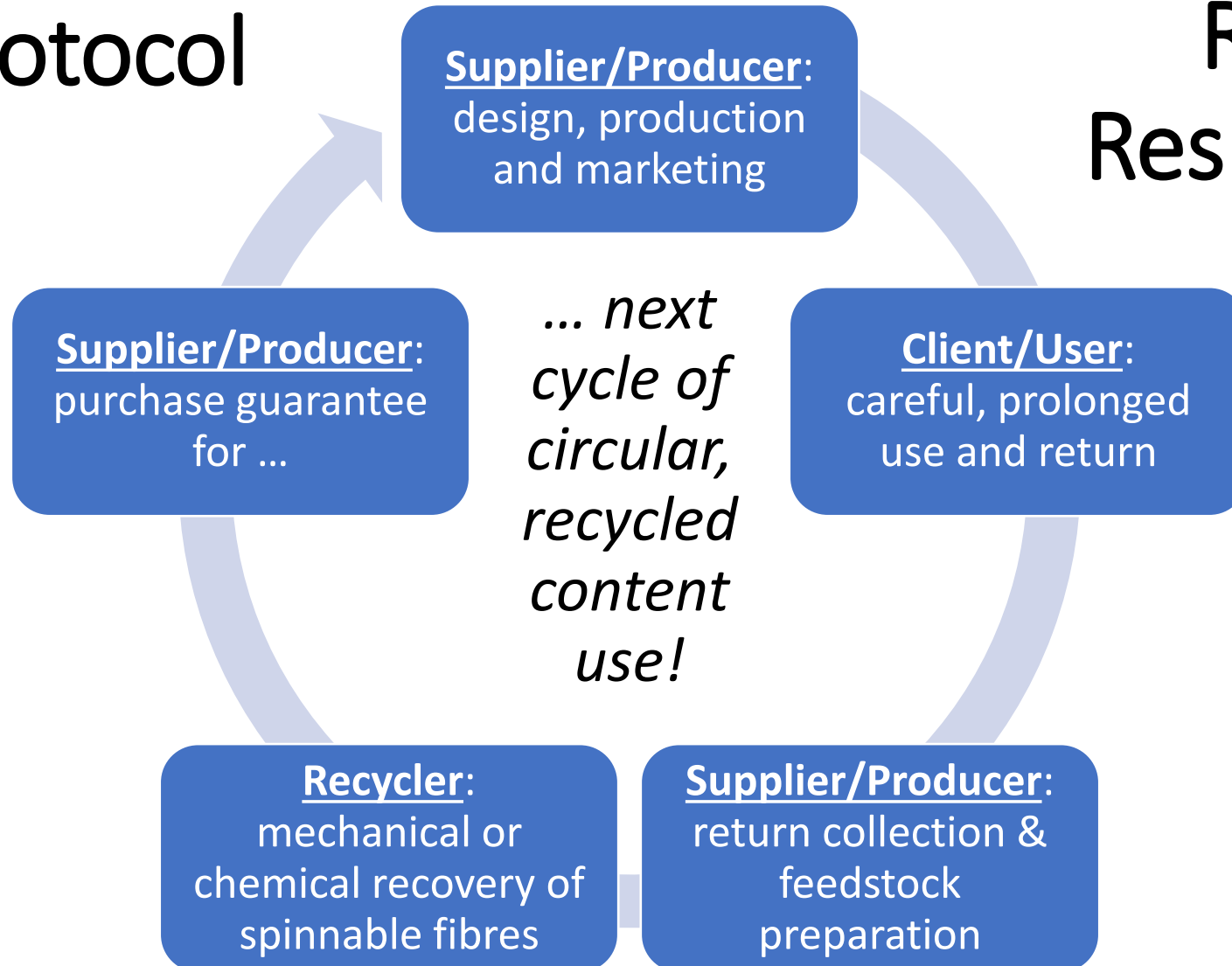
Closed-Loop Circularity





CircTex Protocol

Roles and Responsibilities





CircTex Protocol – Supplier/Producer (1)

- Design: recyclable design & recycled content
 - recycled content, if available
 - Increasing ... in successive cycles
 - Optimum life-time
- Production: spinning, weaving/knitting and confectioning
- Marketing: CircTex-compatible marking and transparency



CircTex Protocol – Supplier/Producer (2)

- Organised and agreed take-back
- Feedstock preparation: disassembly if necessary
- Feedstock supply to recycler: on agreed specifications
- Contracted purchase guarantee of recovered fibres
 - on agreed specifications
 - applicable in own new production
 - OR: to be traded to other supplier/producer.



CircTex Protocol - User

- Procurement decision!
 - Public / Private
- Optimum use prolongation through proper use and maintenance
- Separate collecting obligation & right



CircTex Protocol – Recycling

- Feedstock preparation including de-assembling
 - Separation of different fabric compositions
 - Removal of not-recycling-compatible elements
- Mechanical unravelling in spinnable fibres
& Chemical recycling of polymers for extrusion spinning
 - availability of recycling technologies ?!
 - achievable quality of recovered fibres ?!
- Redelivery right & obligation to supplier/producer
 - on agreed specification!



CircTex Protocol – the Assurance

- Chain management by supplier/producer
 - Or any other link in the chain
- B2B supply & purchase requirements
 - Covering all parties in a closed-loop circular cycle
- Successive supplier-purchaser contracts
 - Each link takes contractual responsibility to supplier and to purchaser
 - Each party can be taken accountable in case of not-meeting the closed-loop requirements



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CircTex Protocol – CircTex-compatible logo



CircTex – compatible

To be claimed on a product IF the closed-loop circle is guaranteed:

- Registration of all parties in the closed-loop on CircTex-website
- Not a certification but a B2B/C circular product quality label (marking)
- Transparency on full closed-loop cycle information of all links
 - QR/ RFID



CircTex Protocol - Robustness

- B2B 'self' control and accountability
 - Self-assessment & independent review
 - Contractual supply/purchase-agreements
 - Closed circle Product & Parties registration on CircTex-website
- In case of non-compliance:
 - Cancellation of the product registration
 - B2B compensation for breach of contract (not by CircTex)
 - Dispute judgement: independent review of self-assessment (by CircTex)

CircTex Protocol relies on committed parties!

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Who takes the challenge?!

Interest for further development & use:

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