

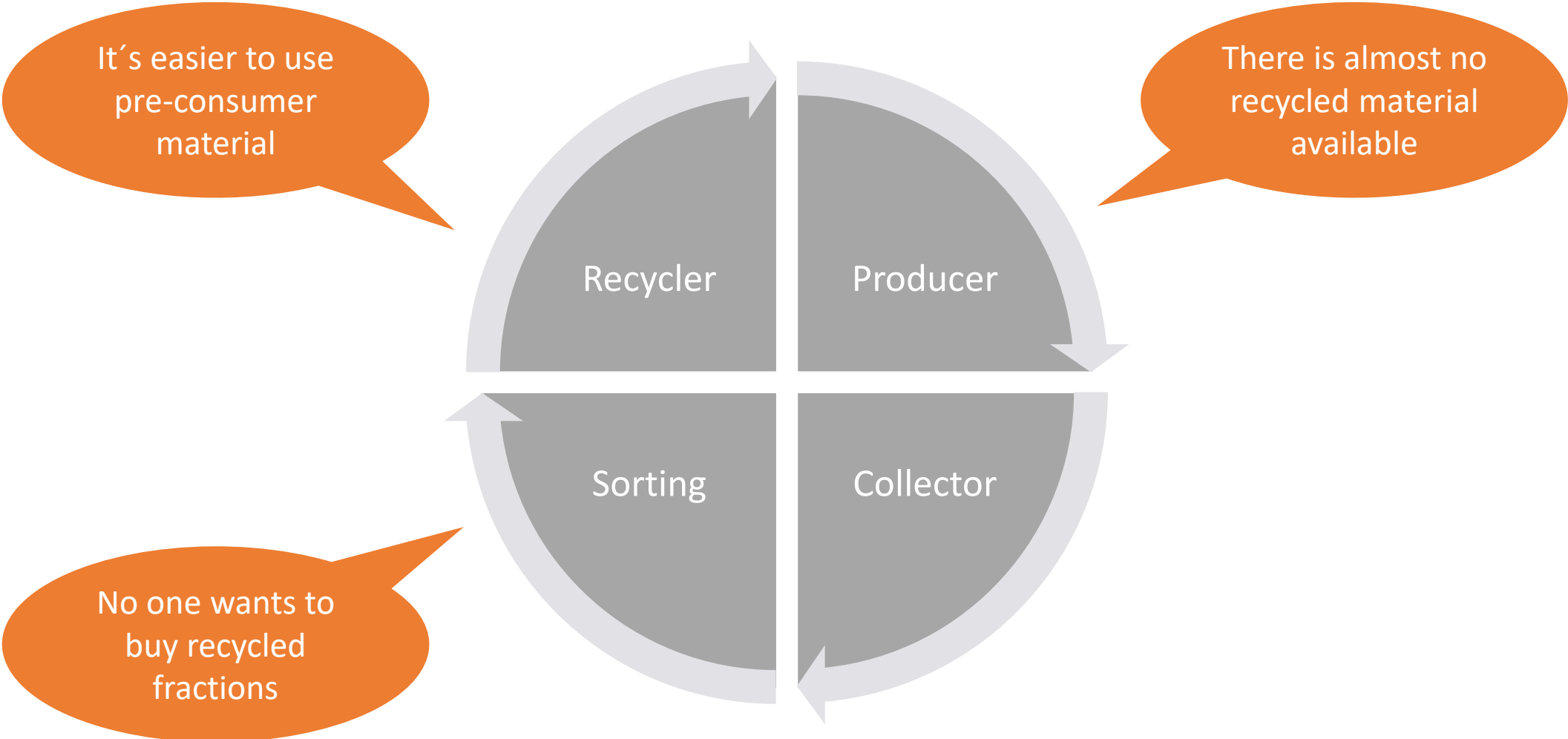


SIPTex - A unique full scale automated textile sorting facility
*Bridging the gap between collected post-consumer textiles
and high quality textile recycling*

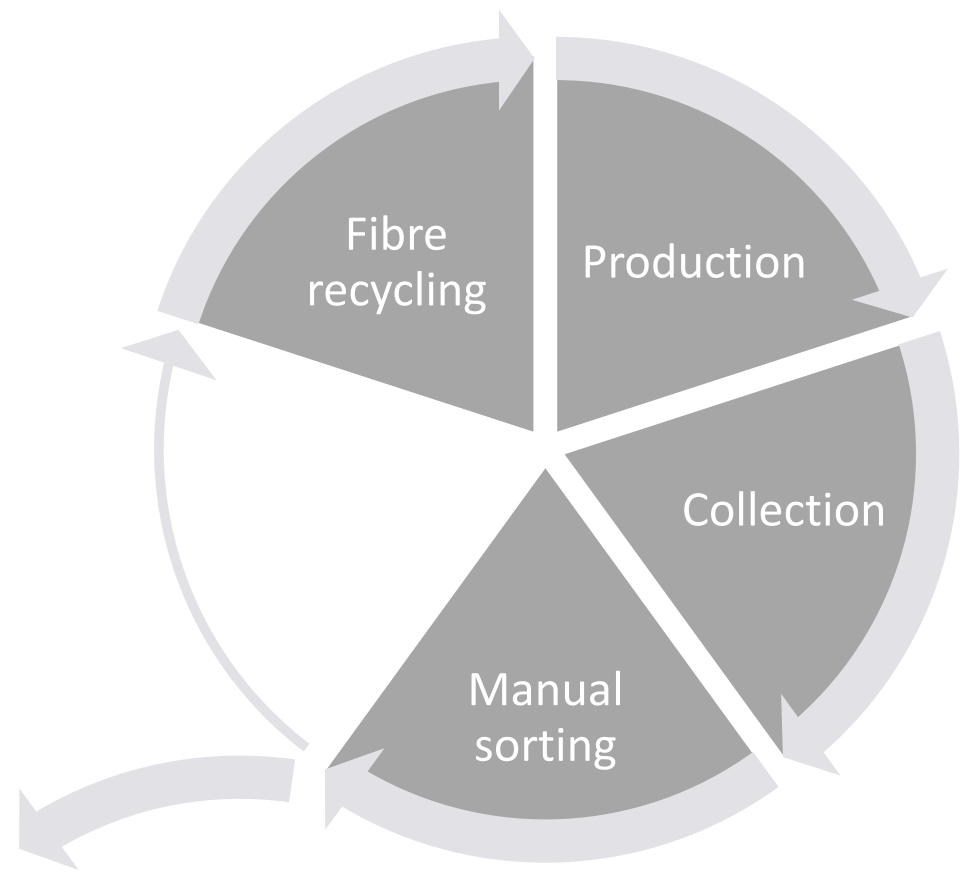
Telaketju networking event 20th November 2019, Helsinki
Ambjörn Lätt



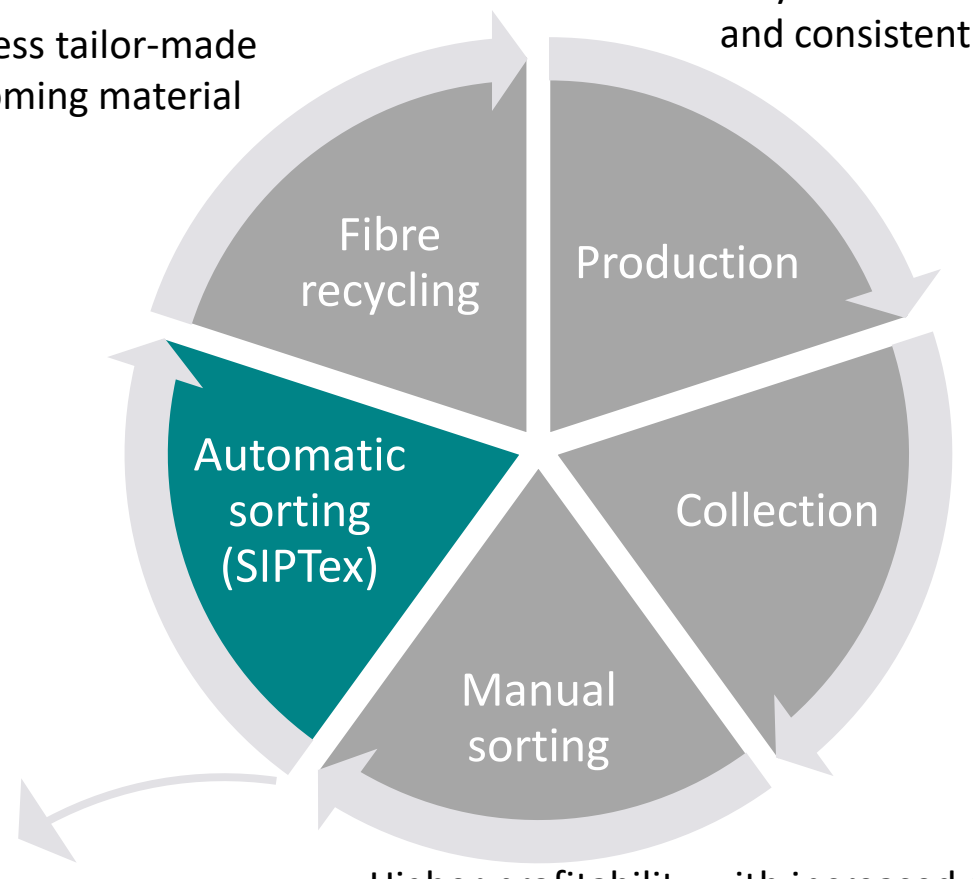
Today's market for recycled textile fibers



SIPTex is introducing a new step in the value chain



Access tailor-made incoming material

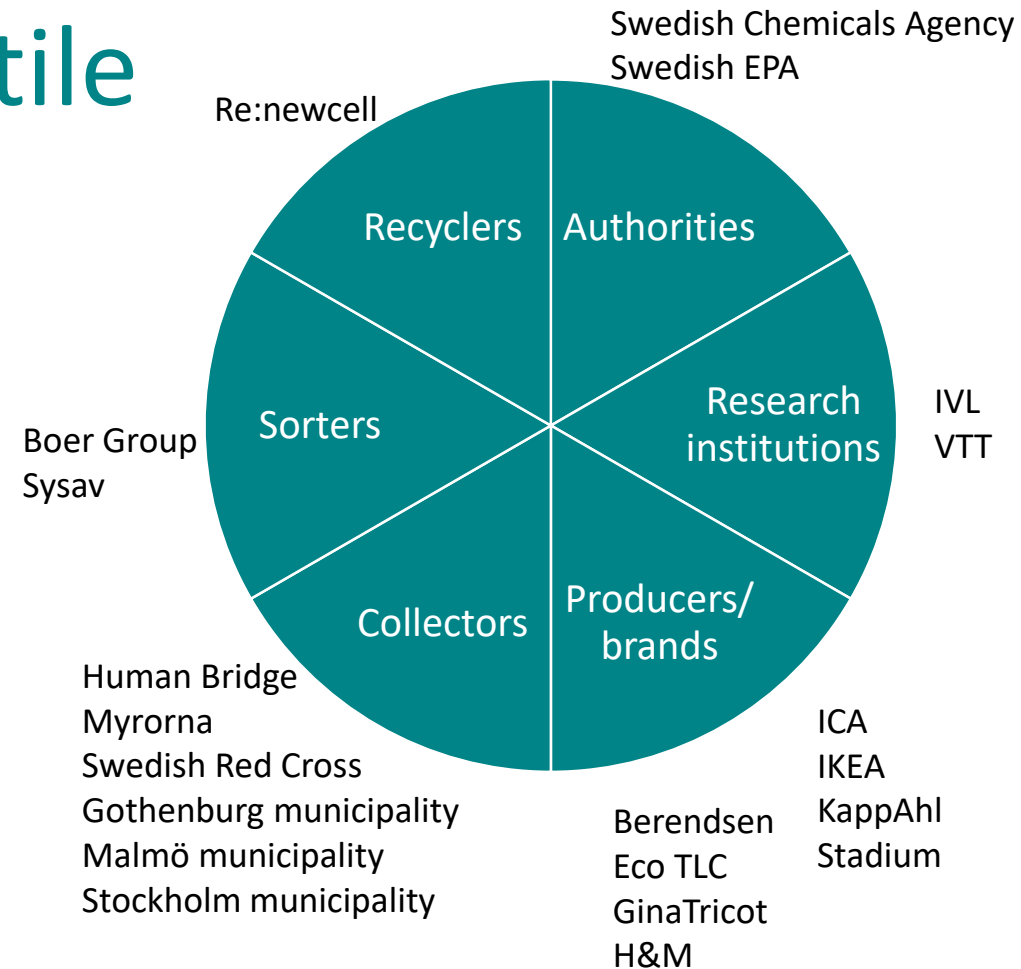


Access to large amounts recycled fibres with high and consistent quality

Higher profitability with increased amounts recycled textiles in collected material

Establishing an automated textile sorting facility in Sweden

- Governmental innovation support from Vinnova
- 21 partners from the whole textile value chain
- Industrial facility based on results from a pilot will be built in Malmö
- Sorting technics are based on near-infrared and visible spectroscopy (NIR/VIS)
- Planned operation start: Summer 2020
- Planned sorting capacity: 8 000 ton / year and shift



With financial support from:

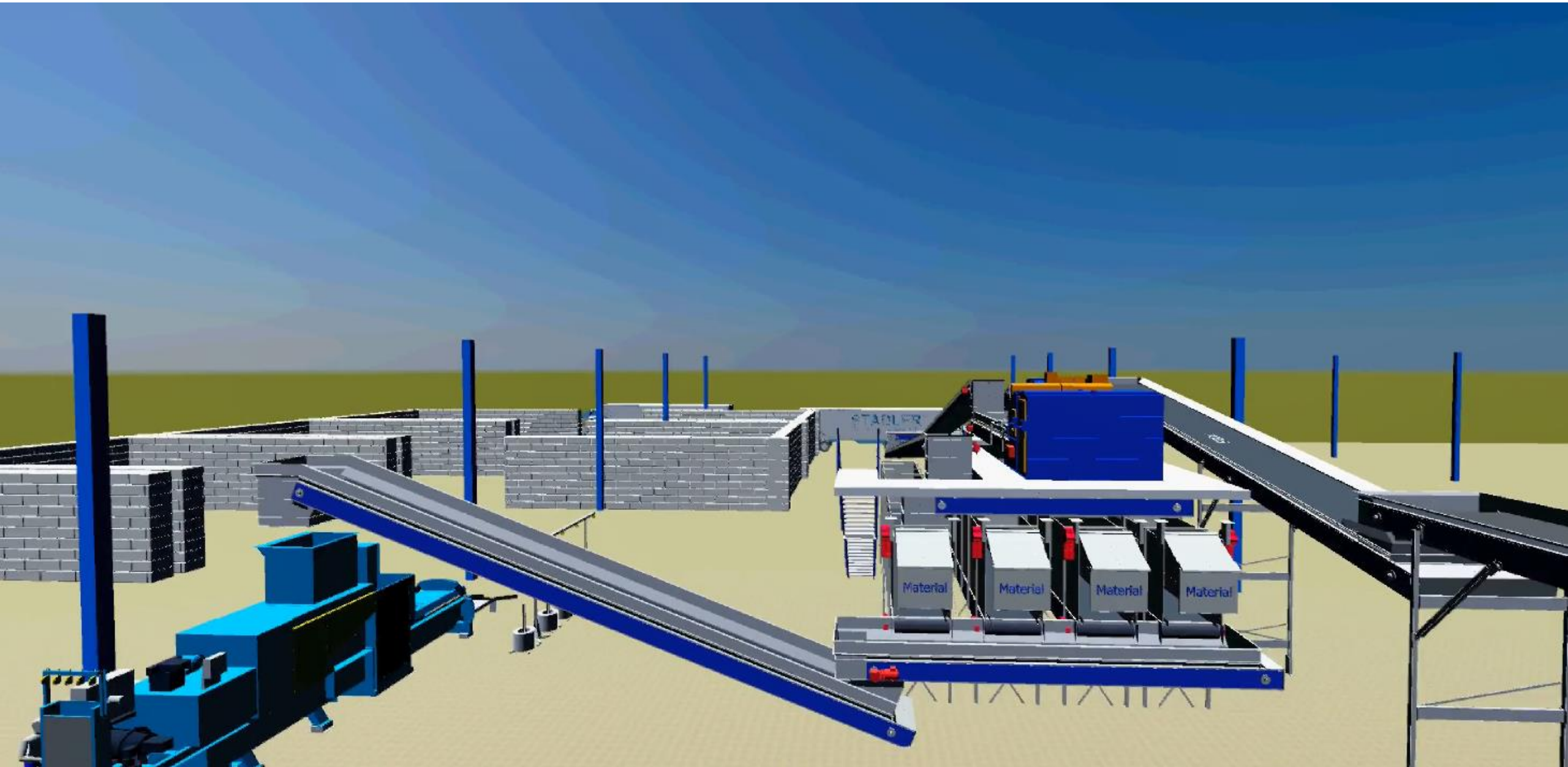


SIPTex



Work packages and activities





Canalizing textile waste for different types of material recycling



Collaboration

- We are looking for collaboration partners in SIPTex
- Create circular product streams through cooperation in the value chain
- 3 levels of engagement
 - Partners – 21
 - Collaboration partners
 - Network partners



- Some examples of tests that could be carried out are:
- Collector/manual sorter:
 - Testing composition of collected and/or manually sorted materials in order to determine the potential value and recycling products that can be made from them (e.g. how much of the white wipers are in fact 100% cotton)?
- Textile recycler (fiber to fiber):
 - (Do the quality assured recycling products match the specifications / recycling processes?)
 - Development of tailored sorting algorithms, assuring that the specifications are met
- Textile producer:
 - Getting an overview of (own or separately collected) textile waste in order to get a feeling for the potential of textile waste as a secondary raw material source for new textile products
- Collaboration is what we make of it! Other ideas welcome!!

Thank you for listening!

Let me know if you have any questions or are interested in cooperation

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