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SUSTAINABLE TEXTILE SYSTEMS: CO-CREATING RESOURCE-WISE BUSINESS FOR FINLAND IN GLOBAL TEXTILE NETWORKS

Textile Circular Economy networking event, 20.11.2019

Essi Karell, Aalto University

CORE RESEARCH AREAS

Material technologies;

recycled textiles, agriwaste, wood

Digital technologies;

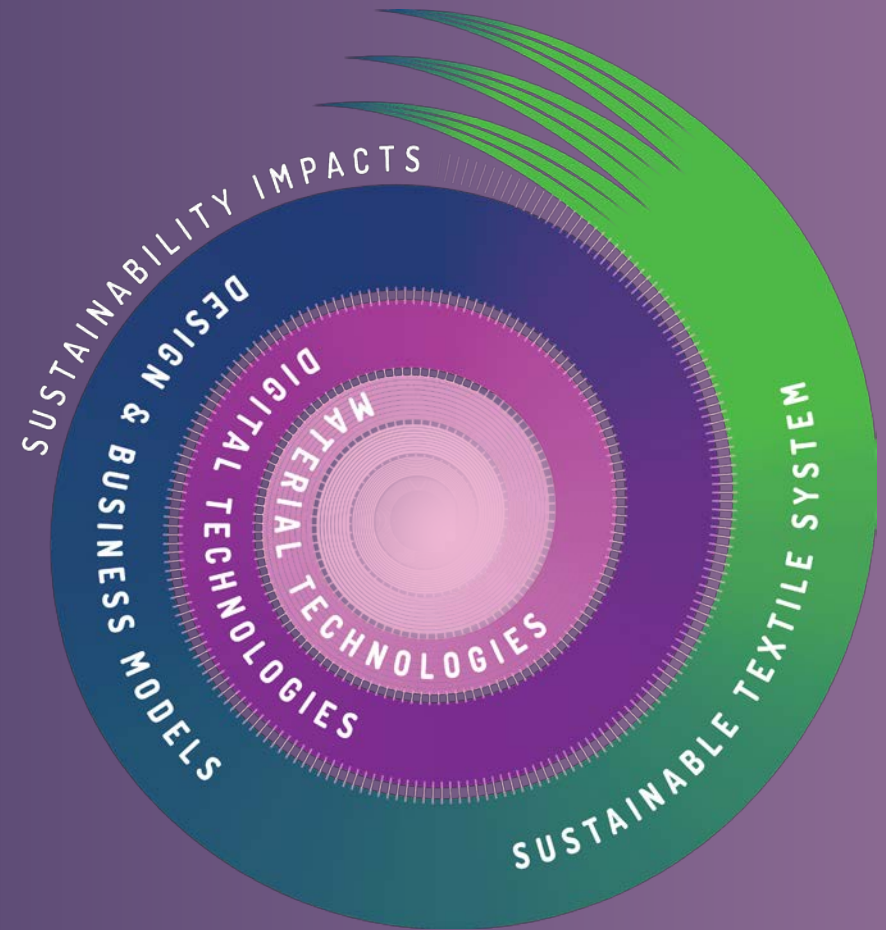
traceability, recognition, sorting

Design strategies & business models;

long textile lifespans, quality criteria

Sustainability impacts;

governance innovations, pro-active regulation



OBJECTIVES

Solving critical issues in cellulose-based material recycling through Ioncell technology

Produce a state-of-art, feasible information system for storing and tracing the material information of textiles throughout their lifecycle

Formulate new design strategies for different lifetimes of textiles

Create a better understanding of service-intensive and systemic business models, and business models under decreasing consumption

Scrutinize the sustainability impacts of the current and future textiles system and provide new scientific knowledge on how proactive policies can support a transition to circular textiles system

Consortium



Partners



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INTERESTED IN JOINING THE REVOLUTION?

finix.aalto.fi [@finixrevolution](https://twitter.com/finixrevolution)

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