



**telaketju**

# **Finnish action towards textile recycling and circular economy**

Telaketju networking event 20 November 2019, Bank, Helsinki

Pirjo Heikkilä, VTT



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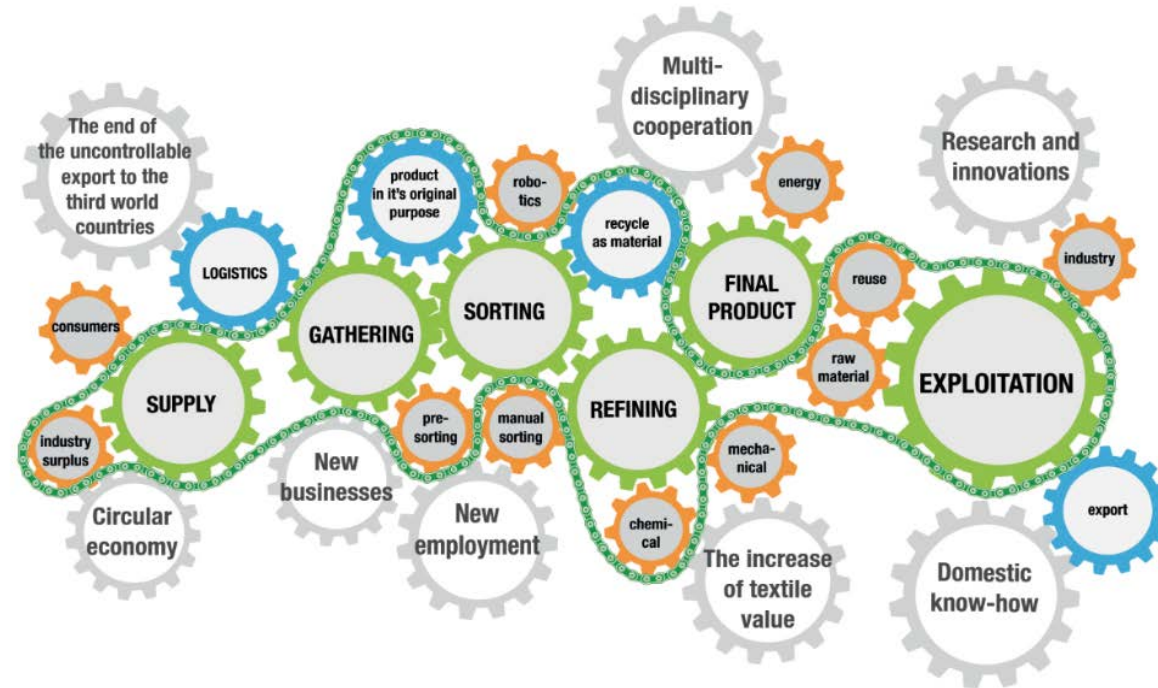
# **First phase**

2017-2018



# Telaketju action & network

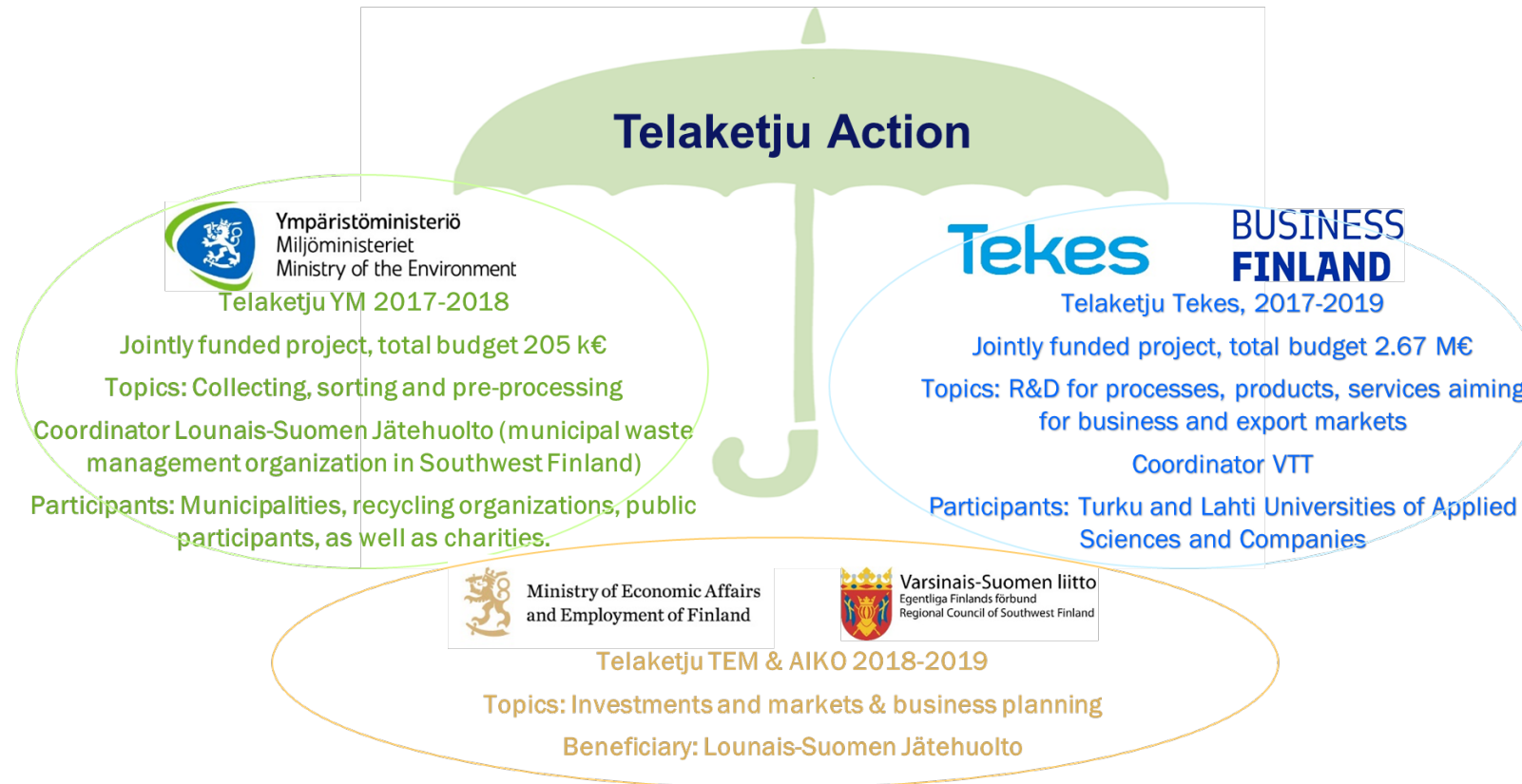
Focus of the first phase was mainly on textile recycling and business related to that – building circular ecosystem



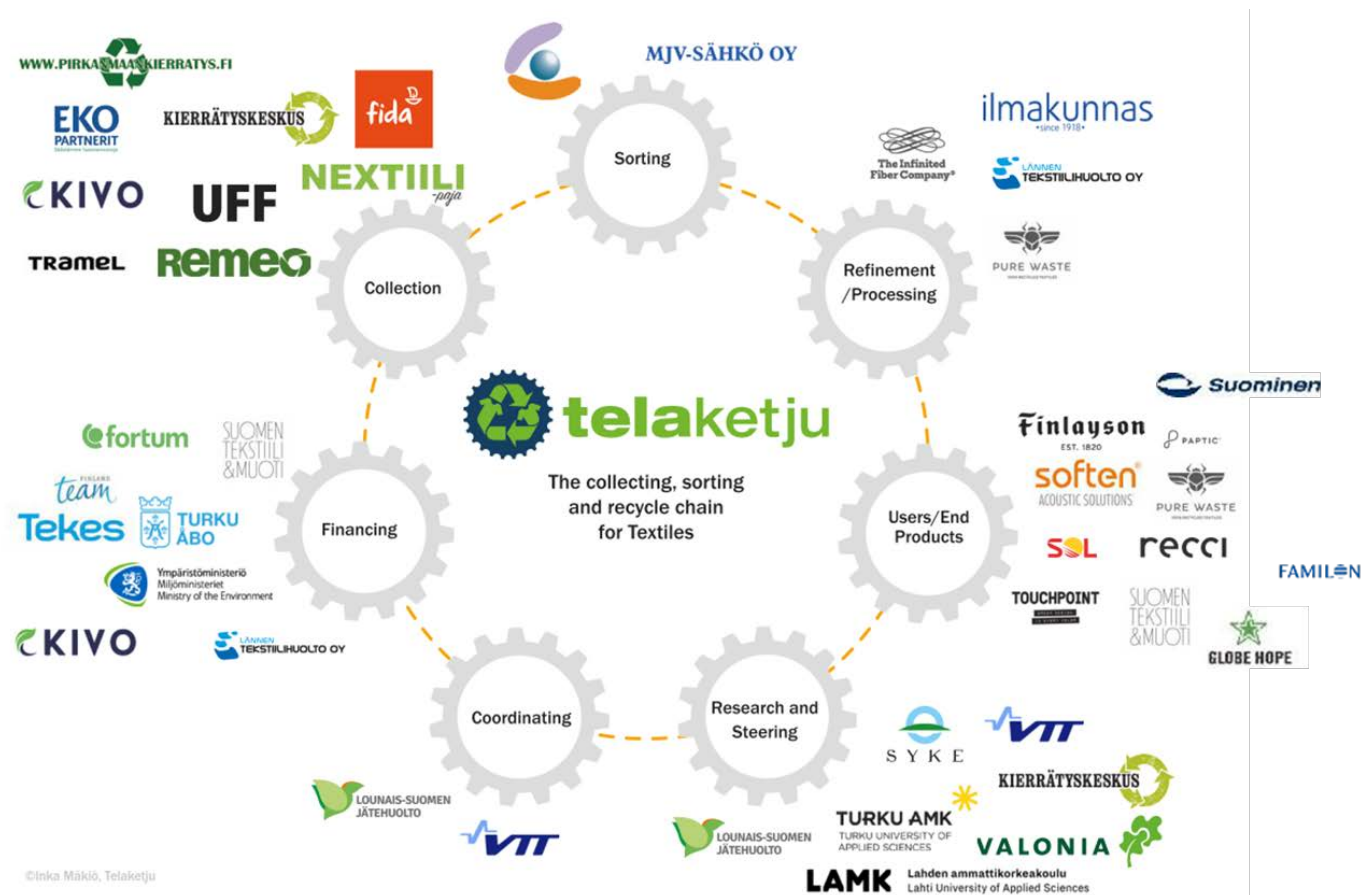


# Telaketju action & network

First phase composed of multiple projects and funding tools



# Telaketju YM and Tekes projects





# Telaketju YM and Tekes projects

- Focused on building ecosystem for textile recycling and circular economy
- Results summarized in <https://cris.vtt.fi/en/publications/telaketju-towards-circularity-of-textiles>
- More information about projects [www.telaketju.fi](http://www.telaketju.fi)



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# Second phase

2019-2021



# Telaketju 2 BF project

Title: Business from circular economy of textiles”

- Coordinator: VTT Pirjo Heikkilä ([pirjo.heikkila@vtt.fi](mailto:pirjo.heikkila@vtt.fi), +358 40 6891443)
- Co-Innovation project of Business Finland (BF)
- Duration two years: 1.5.2019 - 31.4.2021

**Targets** to build business from circular economy of textiles

**Scope** of the project includes:

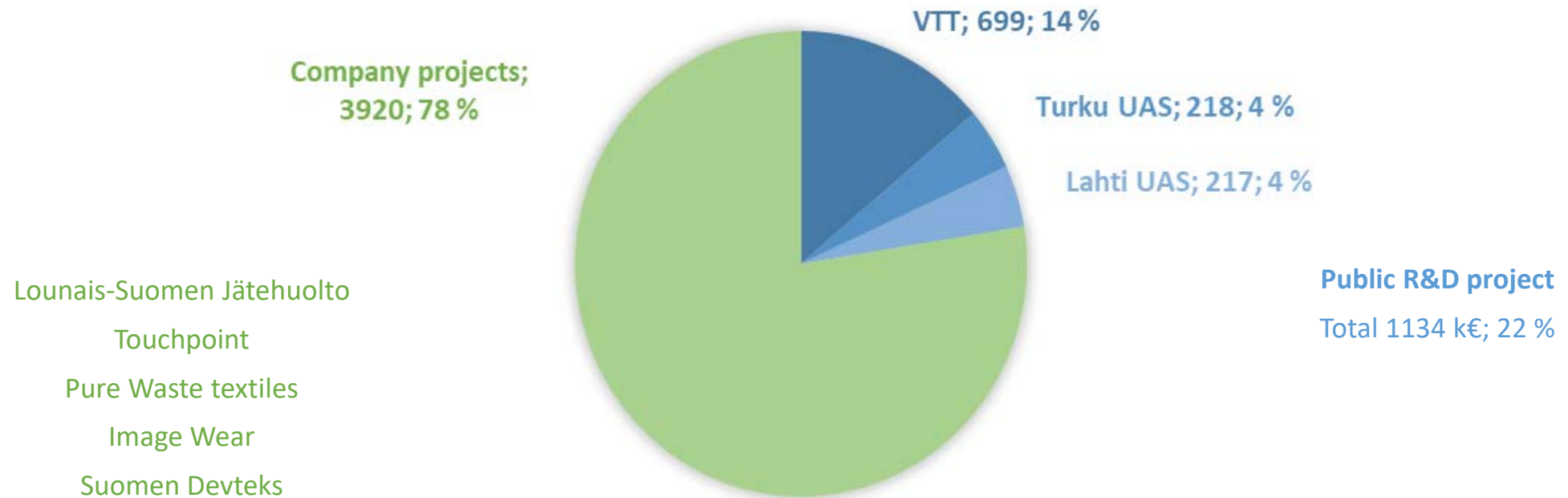
- novel circular economy business models aiming for better material efficiency and increase material and product life
- business related to textile recycling





# Telaketju 2 BF project

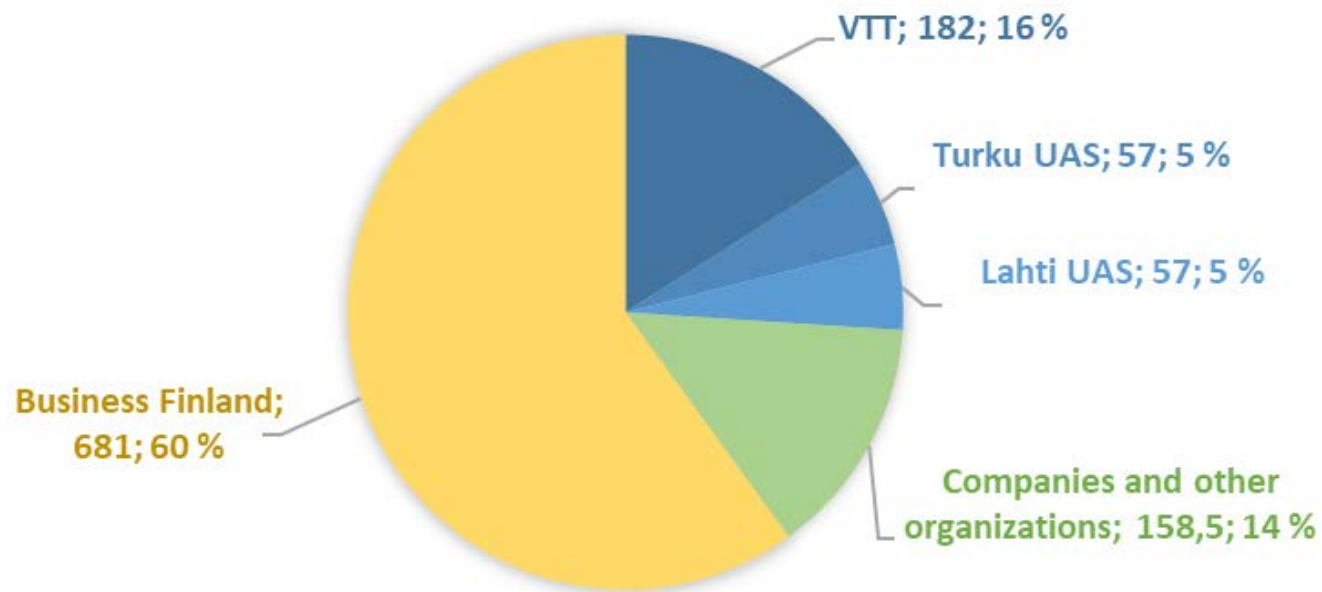
Projects including total budgets (k€) and share (%)





# Telaketju 2 BF project

Funding (public part) including total (k€) and share (%)



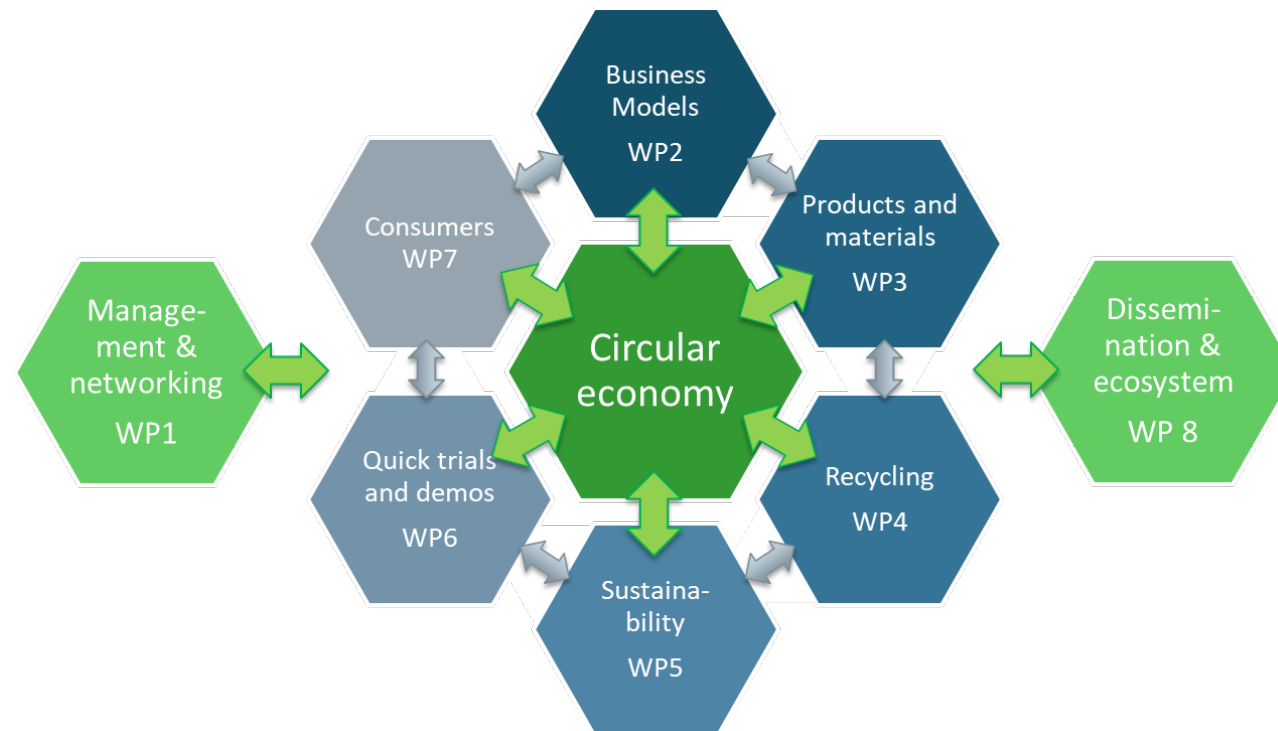
Aijuu  
Black Moda  
Encore Ympäristöpalvelut  
Freudenberg  
Globe Hope  
Infinited Fibre Company  
Kangaskapina  
Kehräämö Mustalammas  
Kuumeri  
Mirka  
Lounais-Suomen Jätehuolto  
Nosh Company  
Paptic  
Porin Villa ja Peite  
Reima  
Sideflow  
Topper  
Vaatepuu  
Valmet

Fida  
Nextiili  
Painovoimapaja  
PK-seudun kierrätyskeskus  
Suomen Tekstiili & Muoti  
Työn Vuoksi ry  
Verstas 247

# Telaketju 2 BF project



Research work packages are focused on circular economy



# Telaketju 2 BF project



## WP1 Management and networking

We aim to build and strengthen circular ecosystem of textiles by networking both nationally and internationally.

Led by VTT

## WP2 Business models

Novel circular business models will be studied and developed, and companies are provided with tools communicating about circular solutions within their value chain.

Led by Turku UAS



# Telaketju 2 BF project

## WP3 Products and materials

We will review effect of product design on material and products life span and recyclability, integrated product information in circular economy, as well as bio-based solutions for textiles.

Led by Lahti UAS

## WP4 Recycling

We develop concept for textile collecting and pre-sorting, textile identifying and sorting systems, and generate classification of recycled textile materials.

Led by VTT

# Telaketju 2 BF project



## **WP5 Sustainability**

Environmental, social and economical sustainability are promoted in our project.

Led by Turku AMK

## **WP6 Quick trials and demonstrations**

Participants of project represent various stakeholders in circular economy, which enables us to make fast experiments with novel business models, as well as demonstrate processes and products thus modelling future recycling value chains.

Led by VTT, company involvement strong



# Telaketju 2 BF project

## WP7 Consumers

Consumers needs to be involved in circular economy of textiles and therefore we study consumer attitudes and direct communication activities also to common public.

Led by Turku UAS

## WP8 Ecosystem

We aim to increase business opportunities also by supporting ecosystem building, and review scalability and export potential of results as well as further development and research needs.

Led by VTT



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**For more information:**

[www.telaketju.fi](http://www.telaketju.fi)

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