



This project is co-funded by the European Union and the Republic of Turkey

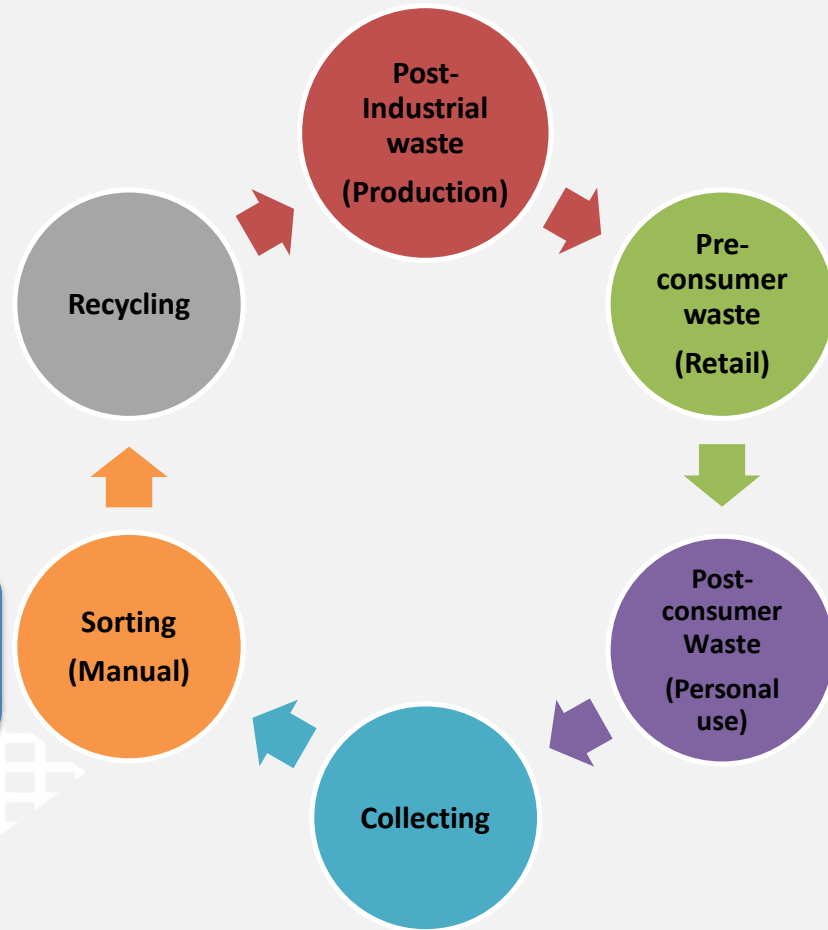
# Technical Assistance for Assessment of Türkiye's Potential on Transition to Circular Economy EuropeAid/140562/IH/SER/TR

Circular Economy Related Applications from EU

**Hakan Uçar**, Fiber Farm Project Director,  
Textiles2Textiles, The Netherlands

Activity 1.2.2. Circular Economy Workshops  
4rd October 2022, Ankara, Türkiye

## TACKLING WITH THE TEXTILE WASTE



TODAY  
ONLY;

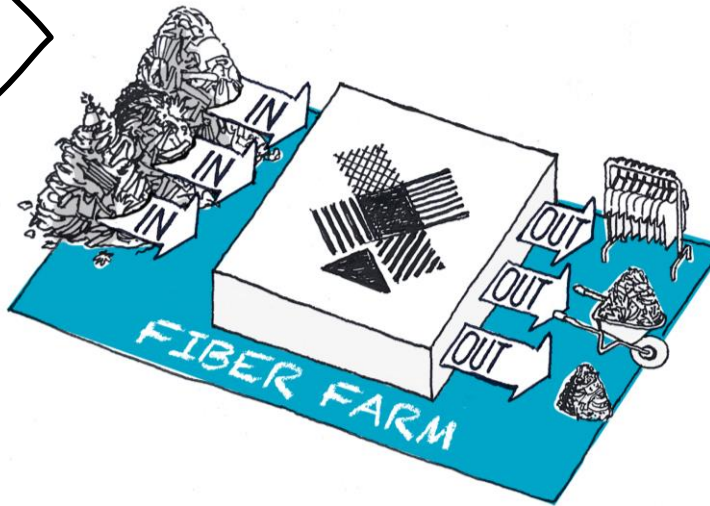
<1% of materials used to produce clothing is recycled into new clothing

25% of garments remain unsold

## FIBER FARM CONCEPT

### INPUTS

- Post-consumer textiles from municipality, online and/or in-store collection schemes
- Consumer returns and pre-consumer stocklots

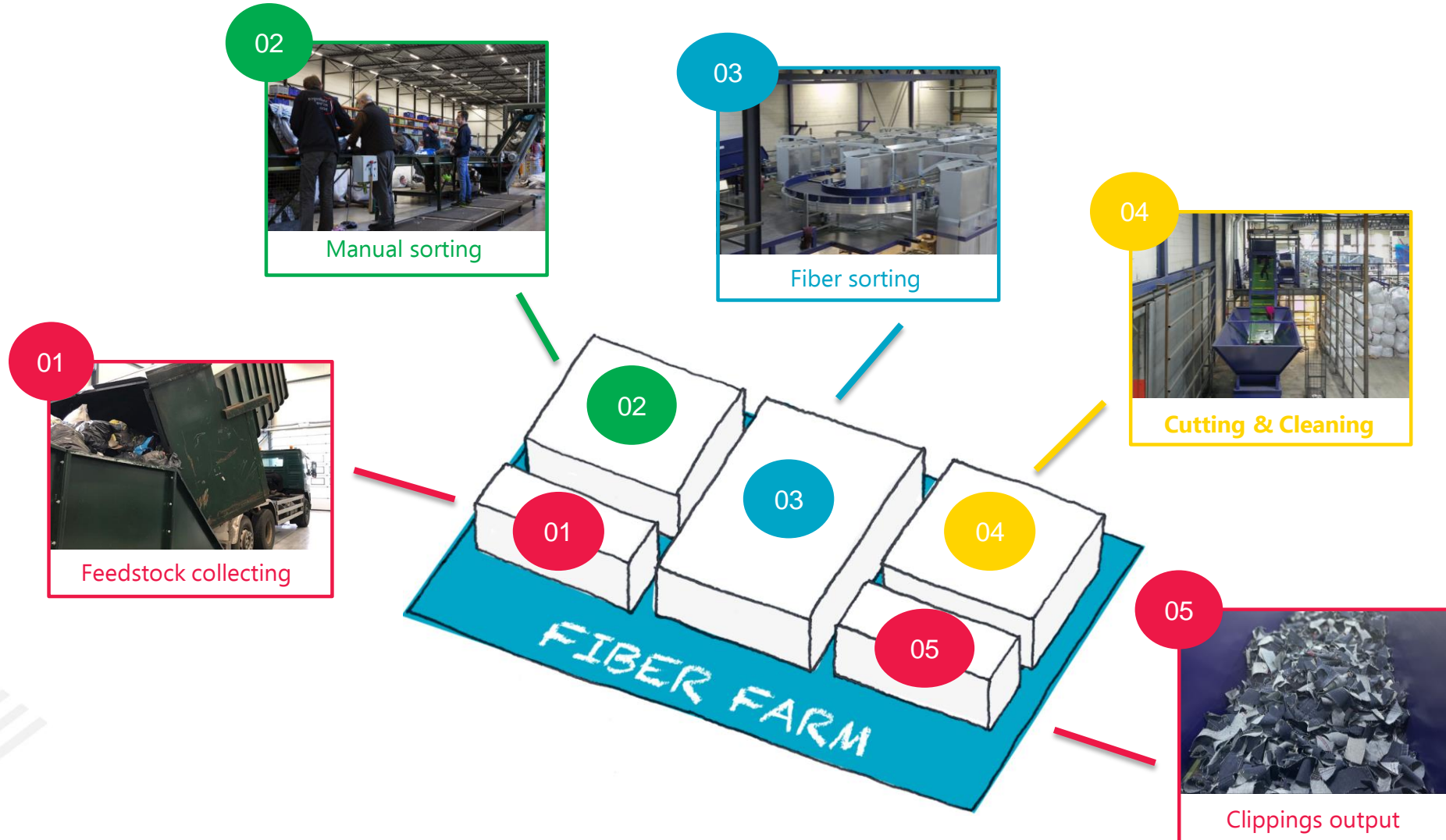


### OUTPUTS

- Rewearable textiles
- Post-consumer clippings, feedstock for textile-to-textile recycling
- Feedstock for open-loop recycling



# FIBER FARM PROCESS





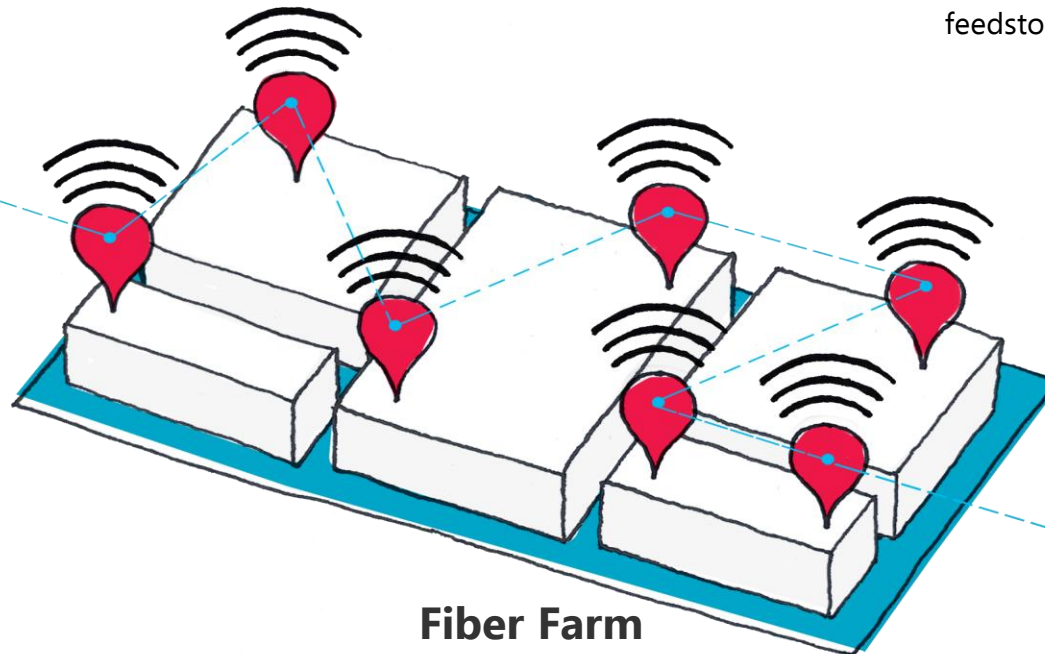
# TEXTILES2 TEXTILES



Reliable data on destinations and impact of collected textiles, available in suppliers' (municipal) dashboards

Credible claims on post-consumer origin of feedstock for recycling, certified inputs

**CHASE**  
master your flow



**Fiber Farm**



**TEXTILES2**  
**textiles**

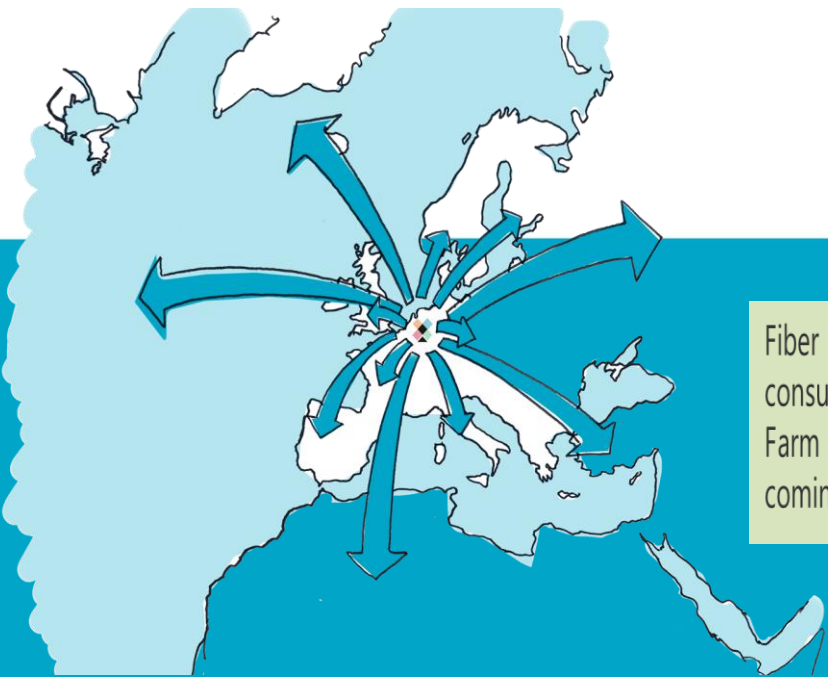


Our Fiber Farms are an integrated and impactful solution to solve our textile waste challenge.

Fiber Farm capacity:	<b>15.000 tons per year (simple &amp; fiber sorting combined)</b>
CAPEX investment requirement:	<b>€ 3,5 million</b> <i>(excluding land and building)</i>
Total space requirement:	<b>7,500 m2 minimum</b>
Realization time:	<b>9-12 months</b>



# TEXTILES2 textiles™



Fiber Farms are highly standardized and automated mid-scale urban farms, located close to consumers. One Fiber Farm processes around 15.000 tons of textiles per year. The world's first Fiber Farm is located in Wormerveer as a proof of concept and will be replicated around the globe in the coming years, starting in Europe.

Textiles2Textiles develops Fiber Farms worldwide, in collaboration with partners in three different models:

### **1. Textiles2Textiles Profit & Loss**

Textiles2Textiles invests in the realization of the Fiber Farm and operates it at own risk

### **2. Managed operations**

The partner invests in the realization of the Fiber Farm, Textiles2Textiles runs the operation based on a Service Level Agreement

### **3. Licensed operations**

The partner invests in the realization of the Fiber Farm and operates it at own risk. In order to do so, the partner purchases a license for the Fiber Farm concept at € 250,000 per year.



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# Thanks for your attention.



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