



FAB REGION
Bergisches Städtedreieck



COLLABORATING CENTRE ON SUSTAINABLE
CONSUMPTION AND PRODUCTION



Textile Circular Value:

Frugal Innovation driving Urban Action through Open Value Systems

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Collaborating Centre on Sustainable consumption and production



Kofinanziert von der
Europäischen Union

Ministerium für Umwelt,
Naturschutz und Verkehr
des Landes Nordrhein-Westfalen



Das Projekt "FAB.Region Bergisches Städtedreieck – Transformation hin zu einer co-kreativen Kreislaufwirtschaftsregion" wird aus Mitteln des Europäischen Fonds für regionale Entwicklung (EFRE) und des Landes Nordrhein-Westfalen gefördert.

fab-bergisch.org

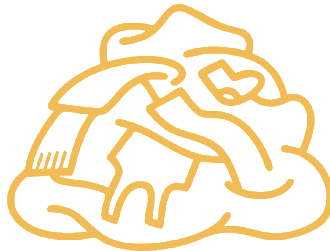


The Challenge

Textiles as a Systemic Sustainability Problem

2

15% of
textiles are
recycled



Three
regulations for
recycling
between 2025
and 2027



only
Wuppertal
1'000,000
tonnes of textile
waste



Commitment vs
capacity of
municipalities
and Industry

We need a

- **Agile**
- **Inclusive**
- **Legally compliant**
- **Affordable solution**

The Needed Shift

From Linear Waste
Open, Digital and
Frugal Innovation for
Circular Textiles

Production → Consumption → Disposal



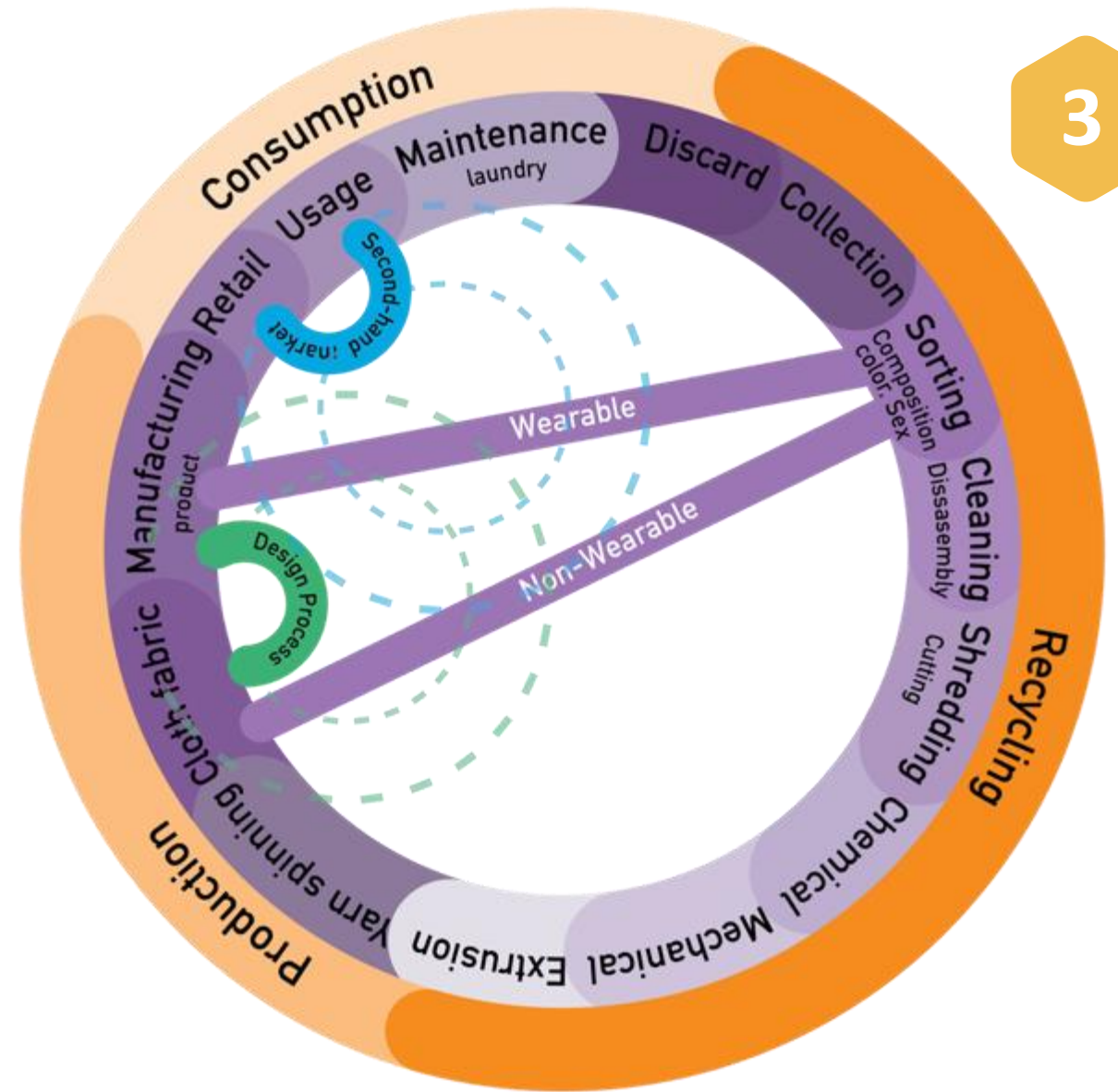
Textile re-
collection



Wearable



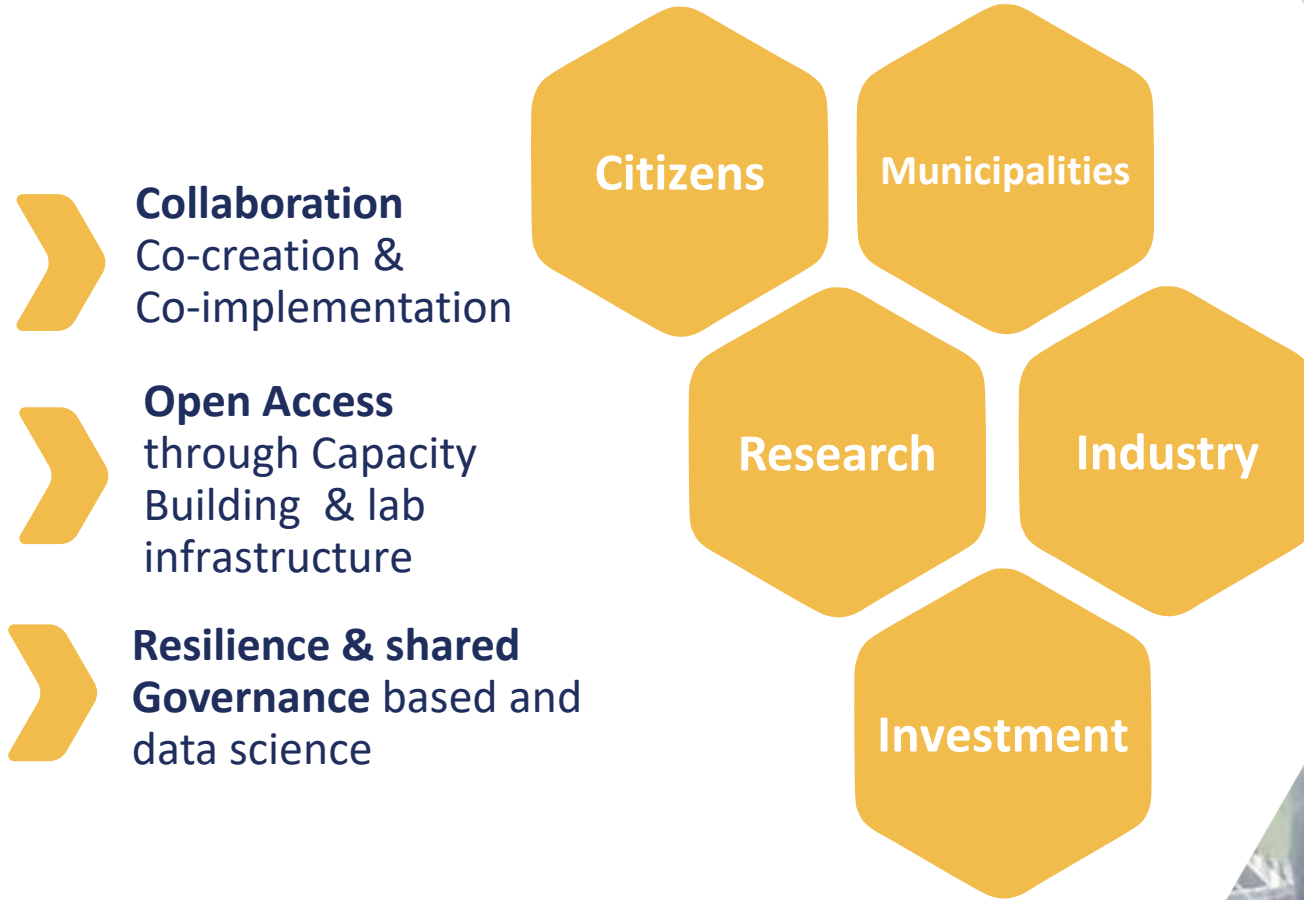
Non-
wearable



Open knowledge and OSH as a driver of frugal innovation in textile recycling within creative and cultural sustainable industries in an inclusive society

Digital and physical Textile Circular Hub (TCH)

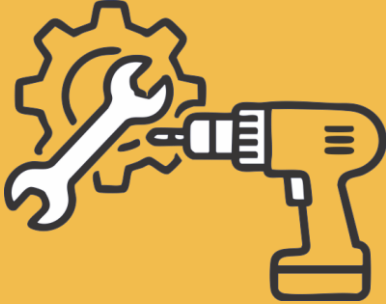
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What enables (TCH)? An innovation ecosystem



Digital and physical hub



Tools & machines



Network



Skills



Business models

European Impact in the green and digital transformation

- Transition to a circular economy
- Beautiful, sustainable, and inclusive places
- Digital and Infrastructure Transformation
- Social & Economic Targets
- Strength Supply Chain Resilience

Let's make impact

Our Experience



shmak

Strategic Key Partners:

- **Technical and research implementation:** Mechanical, machine building, and R&D or education partners advancing accessible tech for circular ecosystem.
- **Industry:** Textile partners restoring Europe's cultural and industrial value.
- **Impact:** Municipalities or organisations e.g. open spaces, scaling circular textile services regionally

**Thanks
let's have a fruitful collaboration**



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