

Re_fashion



EPR for Textiles
Share the French example
Porto Convention -2022



Refashion,
a collaborative
project
involving
the entire
industry



Refashion

Who are we ?

- ✓ Created in **2008** to provide an answer to the French Extended Producer Responsibility law for the Clothing, Linen and Footwear industry.
- ✓ **Non-profit** company accredited by French authorities to cover EPR scheme.
- ✓ Directed by a board of 29 manufacturers and retailers + 3 federations.



Clothing

1083 - ARMAND THIERY - ARMOR-LUX - AUCHAN - BLANCHEPORTE - C&A - CAMAÏEU - CARREFOUR - CELIO - CORA - DAMART - DECATHLON - GROUPE ETAM - GALERIES LAFAYETTE - GO SPORT - GROUPE BEAUMANOIR - KIABI - LIDL - LVMH - MONOPRIX - OKAÏDI - SYSTÈME U



Linen

GROUPE CASINO - LA REDOUTE LES MOUSQUETAIRES - CARRE BLANC



Footwear

ETS RICHARD PONTVERT - GROUPE ÉRAM - MINELLI



Professional federations

FÉDÉRATION DES DÉTAILLANTS EN CHAUSSURES DE FRANCE (FDCF) - FÉDÉRATION NATIONALE DE L'HABILLEMENT (FNH) - UNION SPORT & CYCLE



A collective project



Vision

Make fashion industry 100% circular

Mission

Bring together all the stakeholders of the sector, to develop :

- eco-design,
- reuse,
- recycling,

by optimizing the management of material, financial and human resources

Priorities

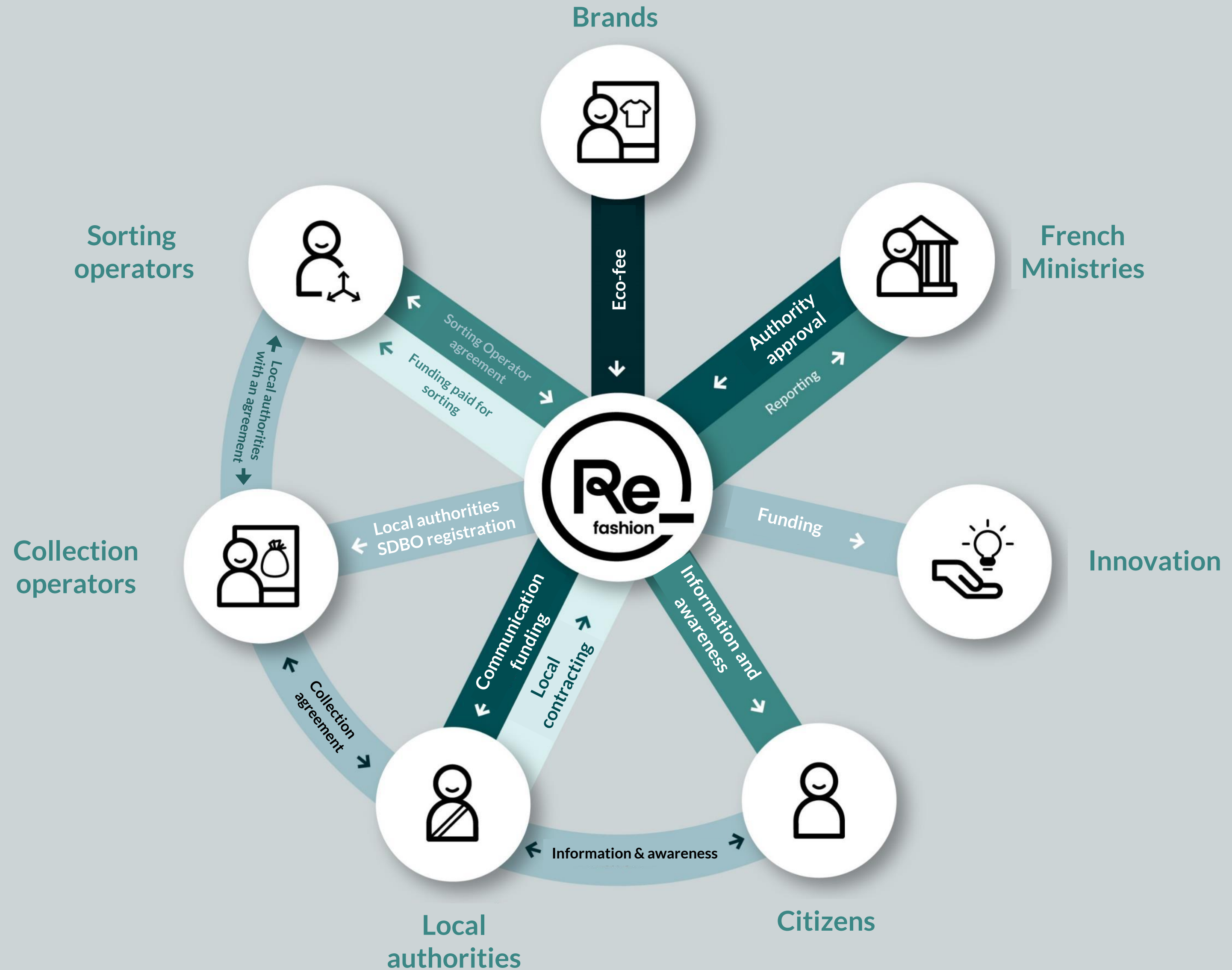
1. Re_valuing waste
2. Re_thinking production
3. Re_imagining consumption

+ Measure and share the environmental, economic and social performances of the industry

Refashion Business model

- We receive eco-contributions paid by the brands
- We support sorting operators (€/sorted ton)
- We support local communities in raising awareness among citizens (€/inhabitant)
- We support innovation (€/project)
- We encourage the development of eco-designed products
- We inform customers
- We facilitate the networking of all the stakeholders in the ecosystem

Refashion ecosystem



Refashion



1st accreditation

by Min. Environment & Min. Economy.

Key results:

- The EPR mechanism works
- 27% of used textiles are collected
- Sorted tons have been x2

3rd accreditation.

Eco TLC becomes Refashion

Key objective: Renegotiate the fundamentals of the EPR mechanism to reposition environmental benefits at the center of our strategy with transparency and traceability

2008



2009
2013



2014
2019



2020
2022



2023
2028

Creation of Eco TLC

2nd accreditation.

Key objective: accelerate the efficiency of the system.

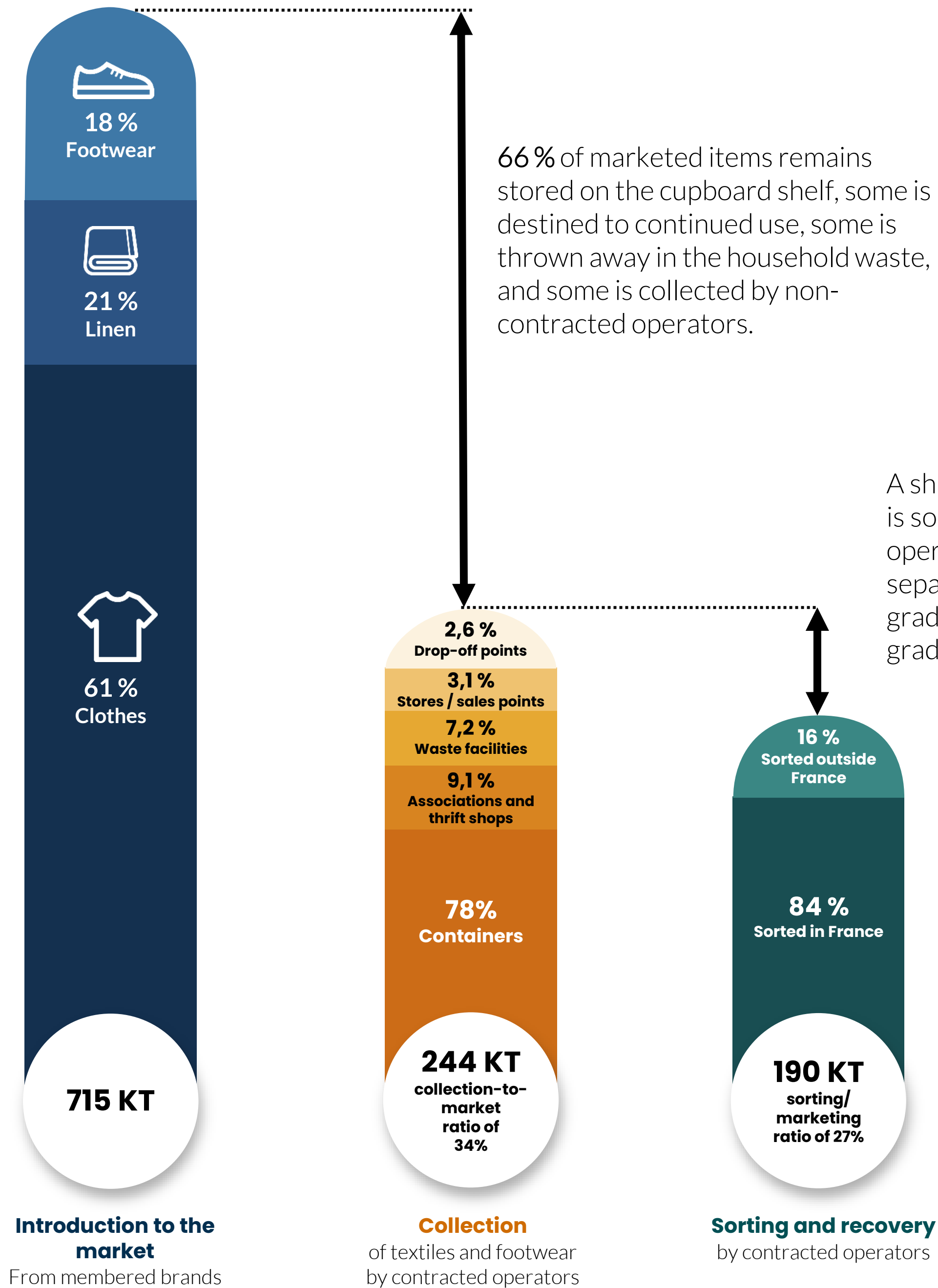
Key results:

- 150M€ spent in 10 years
- Recycling solutions are not sufficiently industrialized and profitable

New EPR scheme

Key figures

French Textile & Footwear Industry*

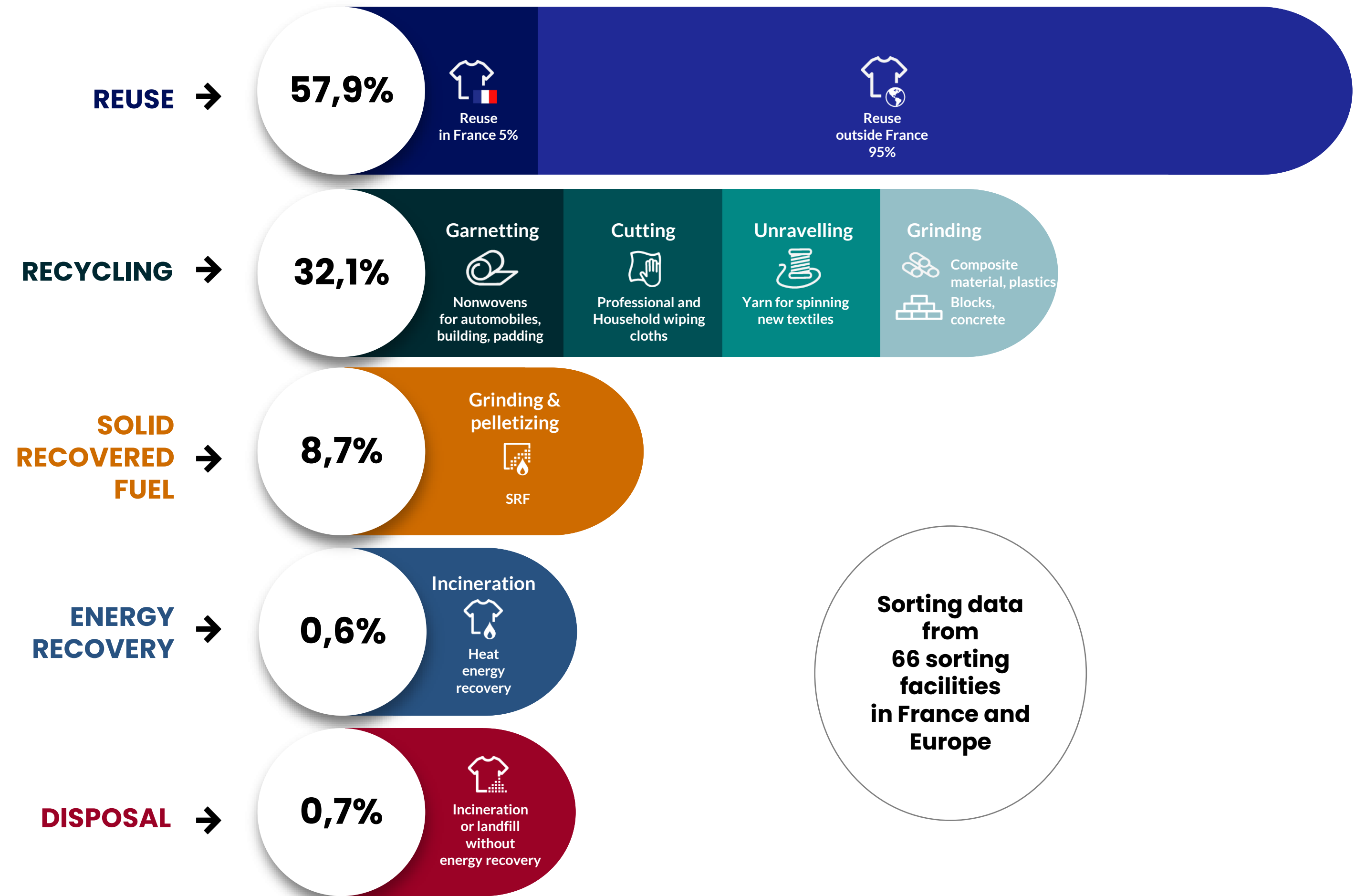


*2021 Refashion AR

The second life for textiles and footwear*



SORTING



Sorting data from 66 sorting facilities in France and Europe

Refashion

2021 Key figures*

Re-generate Materials

Collection

244 448T
Collected

44 829

Self-deposit banks (SDB)

Sorting

190 548T
Sorted

€23M

Funding paid to 66
sorting operators

**Collection - Sorting
Reuse
Recycling**

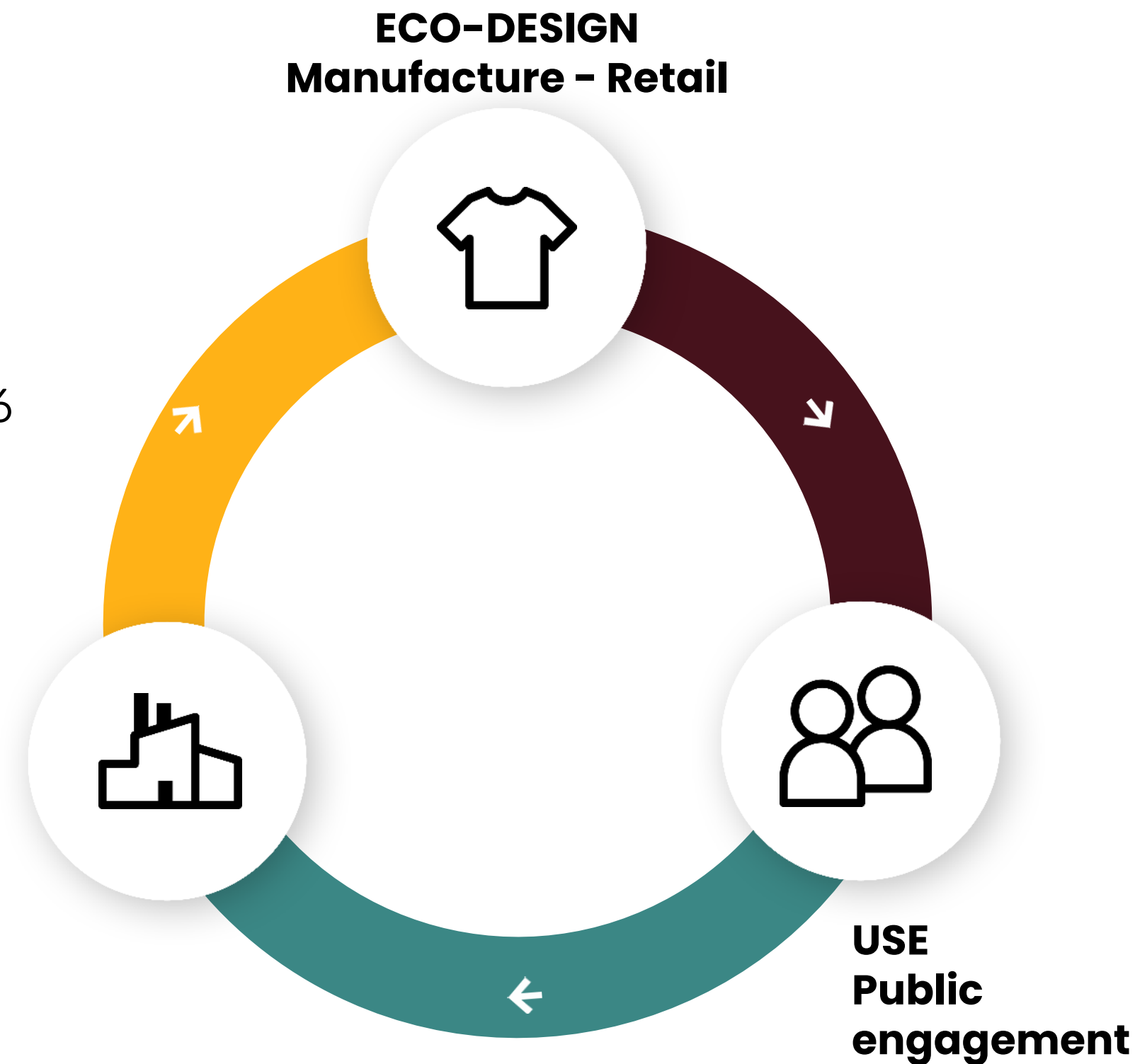
Research & Development

60

Projects

€5,6M

Financial support
provided in



Manufacturing & Retail

715 290T

textiles & footwear
products placed on
the French market

2,8Bn

Of marketed items

6000+

Members

€51M

Contributions

Consumption

563

Registered local
authorities

€2,5M

Funding paid to
local authorities
for
communication

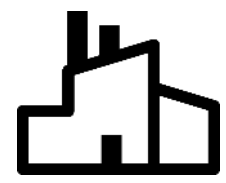


Key projects

Focus on the 3 key stages of product's life cycle



ECO-DESIGN Manufacturing - Retail



Collection - Sorting
Reuse
Recycling

USE
Public
engagement

Re_think design, manufacture and retail Engaging brands towards eco-design and environmental assessment

- Refashion Eco design platform
- Eco fee and its eco-modulations
- Promoting environmental assessment**
- European PEFCR
- French experimentation of environmental labelling



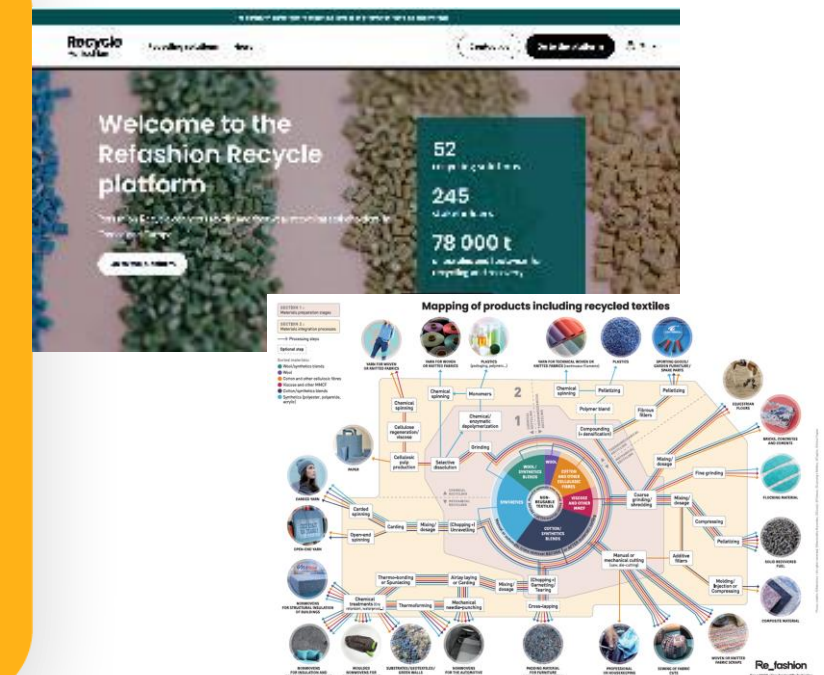
Re_design consumption Raising awareness among citizens

- #RRRR campaign,
- Support local communities' initiatives
- Creating tools to accelerate the transition (information, education, involvement, impact)



Re_generate materials Accelerate recycling

- Refashion Innovation Challenge
- Refashion Recycle platform
- Material Sorting & Preparation Committee
- Post-consumer waste characterization study
- Refashion textile materials Library

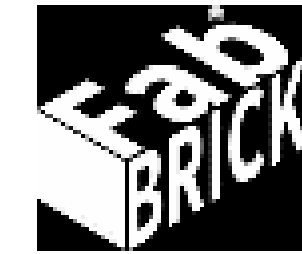


12 years of innovation

A selection of industrial successes



Recycled yarns through mechanical recycling of used clothing – polyamide, cotton/polyester, wool.



Construction material made from non-reusable textiles



€5.6 M invested
60 projects



Eco-designed acoustic products made from non-reusable clothing



Eco-designed sneakers for easy disassembly of all components at end of life



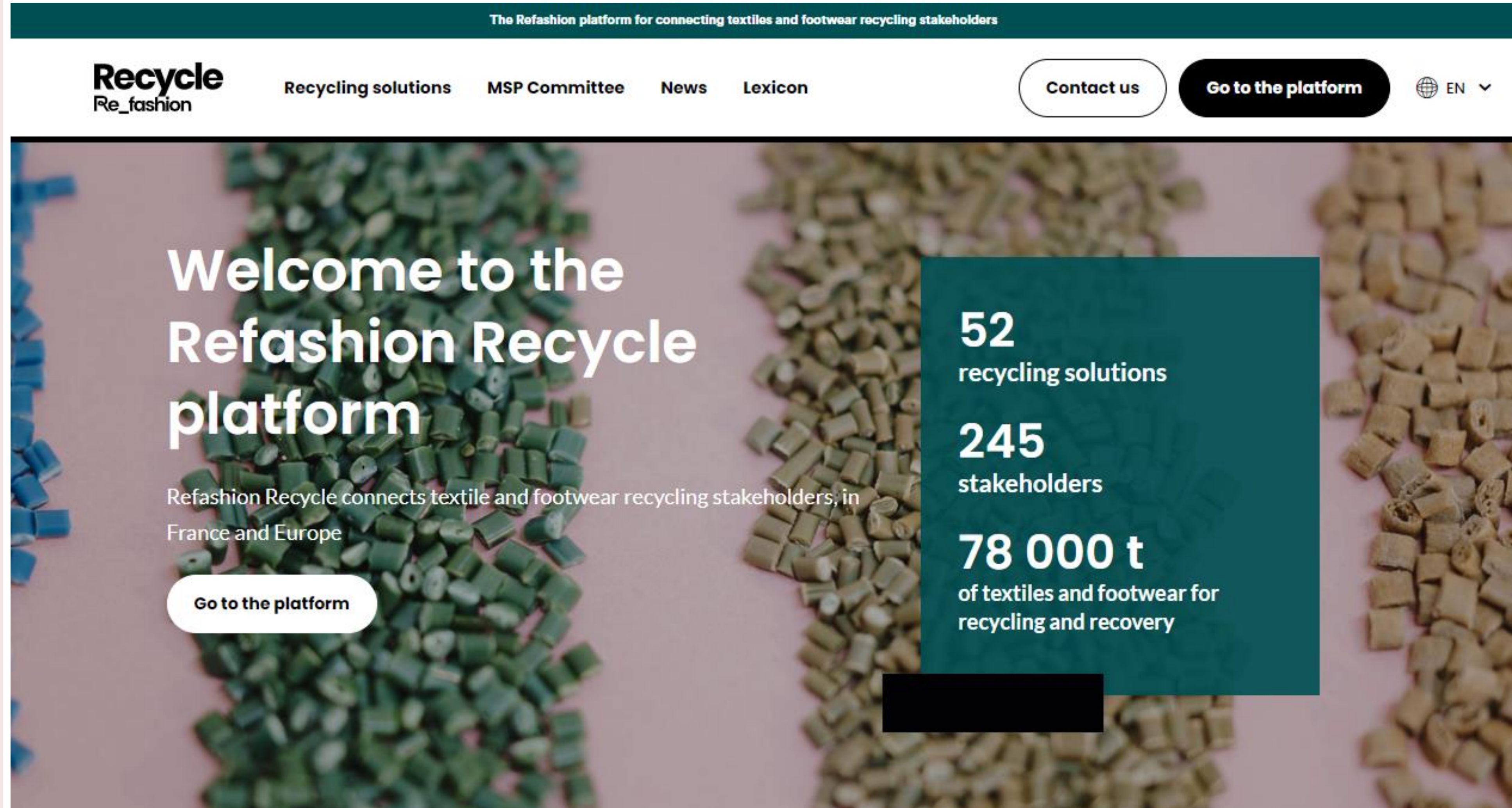
Plastic resins including non-reusable clothing



Recycled denim fabric through mechanical recycling of used denim

Refashion Recycle
is dedicated to

- connecting stakeholders by facilitating matching
- promoting recycling solutions, and
- identifying materials resulting from textiles and footwear recycling



The Refashion platform for connecting textiles and footwear recycling stakeholders

Recycle
Re_fashion

Recycling solutions MSP Committee News Lexicon

Contact us Go to the platform EN

Welcome to the Refashion Recycle platform

Refashion Recycle connects textile and footwear recycling stakeholders, in France and Europe

Go to the platform

52
recycling solutions

245
stakeholders

78 000 t
of textiles and footwear for recycling and recovery

Mapping of products including recycled textiles

SECTION 1 :
Materials preparation stages

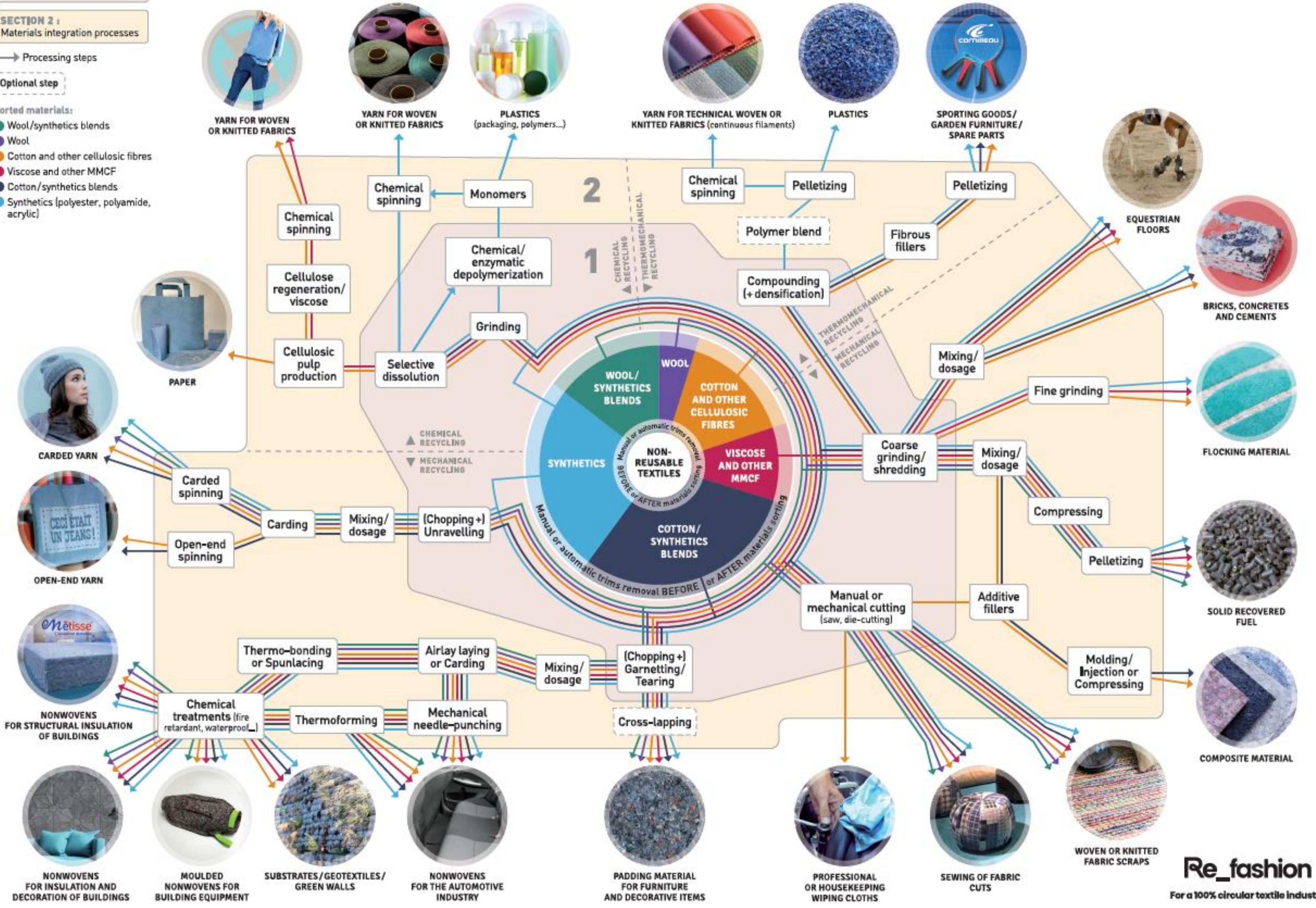
SECTION 2 :
Materials integration processes

→ Processing steps

Optional step

Sorted materials:

- Wool/synthetics blends
- Wool
- Cotton and other cellulosic fibres
- Viscose and other MMCF
- Cotton/synthetics blends
- Synthetics (polyester, polyamide, acrylic)



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Re_fashion
For a 100% circular textile industry

Refashion post-consumer waste characterization study

A 2-year comprehensive study run at 6 sorting facilities (# 120 tonnes) to understand :

- The distribution of inbound tonnages by product categories and by types of collection points
- The objective sorting criteria for reuse and recycling
- Specific product categories and textile material compositions of the recycling feedstock

Results to be published in March 23

FabriTell
Matoha (UK)



Refashion Textile Materials Library

Compliance rate

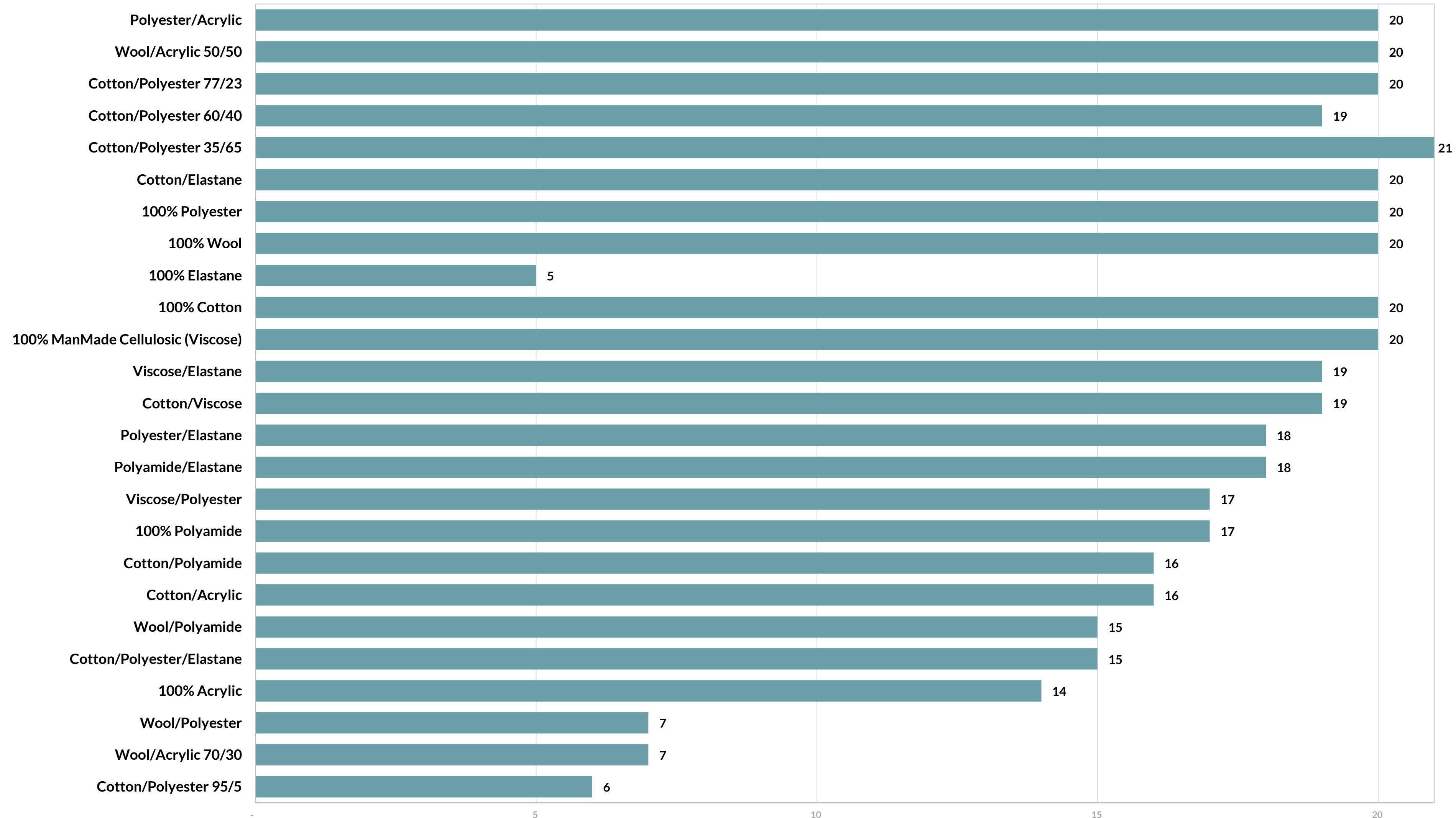
Industrial samples **88%**

Retail samples **48%**

Lab testing on 480 samples



Number of samples per category



Refashion analysis after 12 years



5 areas of improvement to leverage both reuse and recycling

- Invest massively to create a successful industrialization of recycling solutions in Europe
- Improve product durability throughout its life cycle
- Increase collection of used textiles both in quantity and quality
- Optimize sorting efficiency for reuse and recycling
- Develop sorting and preparation facilities for recycling

Key learnings

- ⇒ Timing and priority depend on the situation of each the country
- ⇒ EPR's deployment makes sense if we are able to connect manufacturers of recycled materials with integrators of these materials

DOs & DON'Ts

The alignment of E.U. countries' EPR is key for success

#1 emergency : develop a profitable recycling industry in Europe



DOs

- Support brands to engage in eco-designing their products
- Support PEF initiatives
- Develop repair and local reuse
- Support the industrialization of non-reusable textiles automatic sorting, preparation and integration to have sufficient and competitive volumes by category of materials
- Agree on a roadmap to replace virgin materials by recycled materials in 3 priority applications: yarns, nonwovens and compounds
- Enhance collaboration amongst stakeholders

DON'Ts

- Stop pretending reuse is enough
- Stop subsidizing the profitable reusable activities
- Stop subsidizing the exportations of reusable/non-reusable textiles to Asia and Africa

2022 – 2023 New EPR scheme

New French EPR Scheme 2022-2023

Hybrid role

Repair Fund

Reuse Fund

Open consultation led by Ministry of Ecology



The French Textile and Footwear EPR scheme becomes **both financial and operational** i.e.

- **Funding** with €/t paid to sorting operators
- **Tender** for collection, sorting and recycling

A €66M fund dedicated to **increase the repair of used clothes, home linen and footwear** directly targeted to the end consumer

Ongoing stakeholders' workshop to define the organization of the fund

5% of the eco-fees dedicated to **improve and increase the share of reuse among collected used CHF** (Clothe, Home linen and Footwear) and targeted to SSE Social & Solidarity Economy (NGO)

Ongoing stakeholders' workshop to define the organization of the fund

Thank You!

Key Contacts



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Re_fashion

Pour une filière 100% circulaire