



From zero-waste to numberless possibilities: North-East Romania's Hub for circular textiles

Introduction to the Hub, Interregional Focus Group and Presentations of SMEs

26 September 2024 • 10:30-11:45 • Online



Webinar Procedures



The webinar is recorded and will be shared - in parts or entirely – with all consortium partners. By staying connected you agree to this. If you would not like to appear on the recording, please keep your camera and microphone off at all times.



Mute your
microphone



Disconnect
video



Type questions
in the chat



Raise your hand
when you wish
to speak



When you are invited
to speak, unmute mic
and show video
(if possible)

Agenda

Introduction
*Charlotte
Denis, Textile
ETP*

**Presentation of the
pilot projects
developed within
the hub by local
SMEs**
*Elvys Sandu, Mai
Bine &
Caterina Ailiesei,
Katty Fashion*

ADR 
Agenția pentru Dezvoltare Regională
N O R D - E S T

KF
Katty Fashion

Mai bine
etic. ecologic. echitabil.

Q&A

**Presentation of
the NERO
GREENTEX HUB**
*Agatha Filimon,
North-East RDA*

**Policy approach to
circular textiles:
from European to
regional
perspectives and
back again**
*Gabriela Macoveiu,
North-East RDA*

Conclusion
*Charlotte
Denis,
Textile ETP*



COMMUNITY TALKS

Online animation activities play a pivotal role in sustaining the engagement of SMEs within the digital ecosystem. To stimulate interaction, a series of **14 intra-consortium webinars**, the RegioGreenTex Community Talks, are taking place throughout the duration of the project. **The RegioGreenTex Community Talks promote the latest progresses and results of the project, and well as encouraging dialogue and knowledge sharing in the textile sector, focusing on sustainability and the green transition.**

The RegioGreenTex Community Talks are organised as part of WP2 (T2.4 Animation of the Ecosystem) and managed by Textile ETP, with the support of Euratex, NE RDA, Ariadne Innovation, OOST NL and Techtera.

Presentation of the NERO GREENTEX HUB

Agatha Filimon, North-East Regional Development Agency



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the European Union

North-Est Romania Hub

building a textiles community focused on zero waste



Scope

- foster a zero-waste circular textile value chain in North-East Romania through innovative solutions with potential of multiplication

Topical areas of interest

- systemic circular design of products and processes, for the reduction of **textile waste** (starting from pre-fabrication and during fabrication);
- support activities for the encouragement of **textile waste collection** (post-fabrication, pre-consumer & post-consumer) **in view of recycling**;
- **recycling, reusing and upcycling**; design of secondary products.

Long term

- the hub aims to address the whole Textile sector of North-East Romania, in line with the regional priorities of smart specialization (including digital processes and circularity)

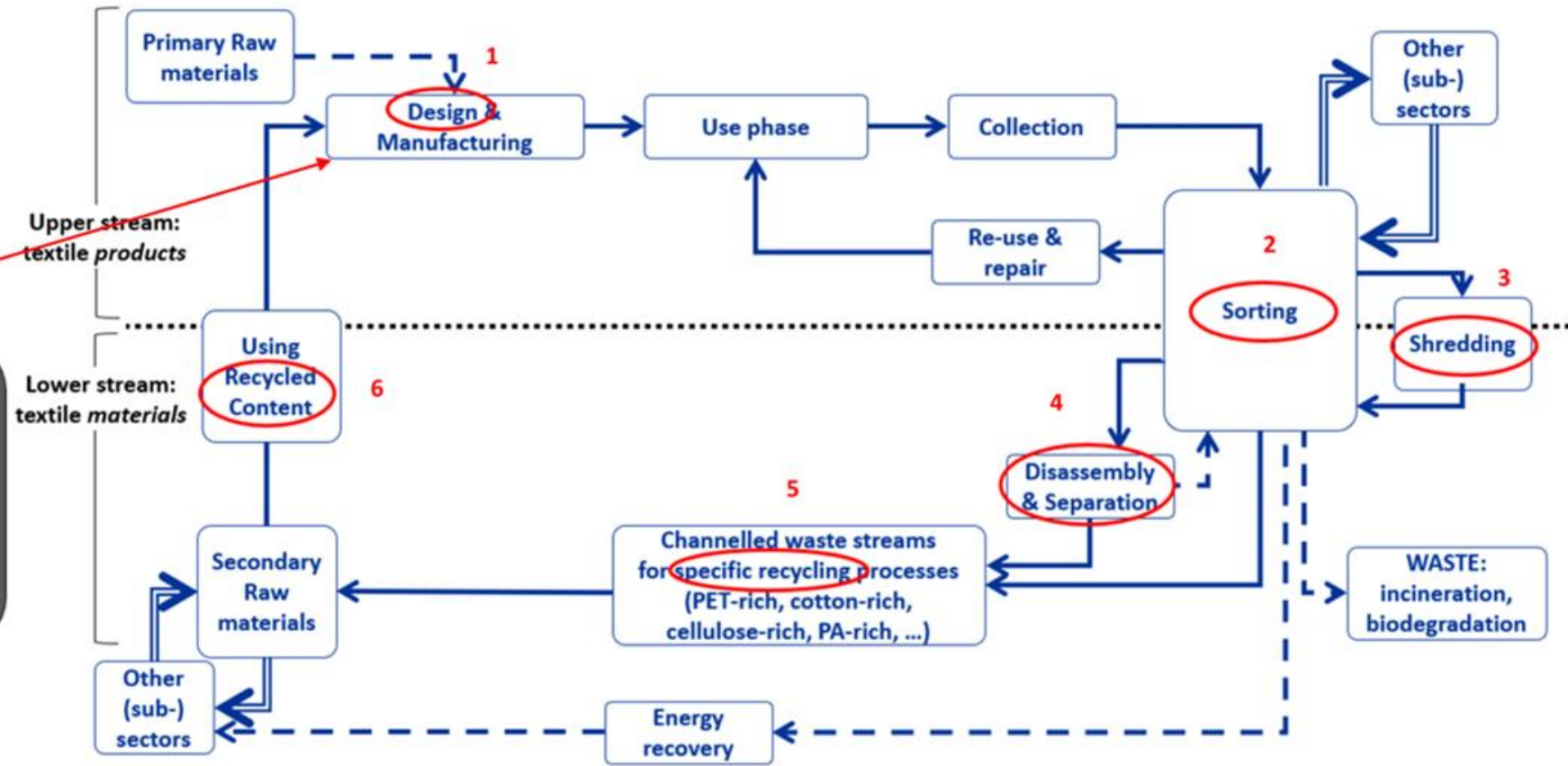
Partners

- North-East Regional Development Agency → **NE RDA**
(*policymaker – hub coordinator*)
- **KATTY FASHION S.R.L.** → **KF**
(*company*)
- **MAI BINE ASSOCIATION** → **MBA**
(*NGO*)

North-Est Romania Hub

building a textiles community focused on zero waste

→ Main streams -> Minor streams ⇒ Cross-sectorial streams



We are here:

- Zero waste pre-fabrication
- Pre-consumer services
- Small sizes sorted and sent to recyclers
- B2B match-making platform

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building a textiles community focused on zero waste



INVESTEMENT DEMO-CASES



1. Test and optimize **systemic design solutions** (for products and processes), **for the reduction of textile waste – up to zero**

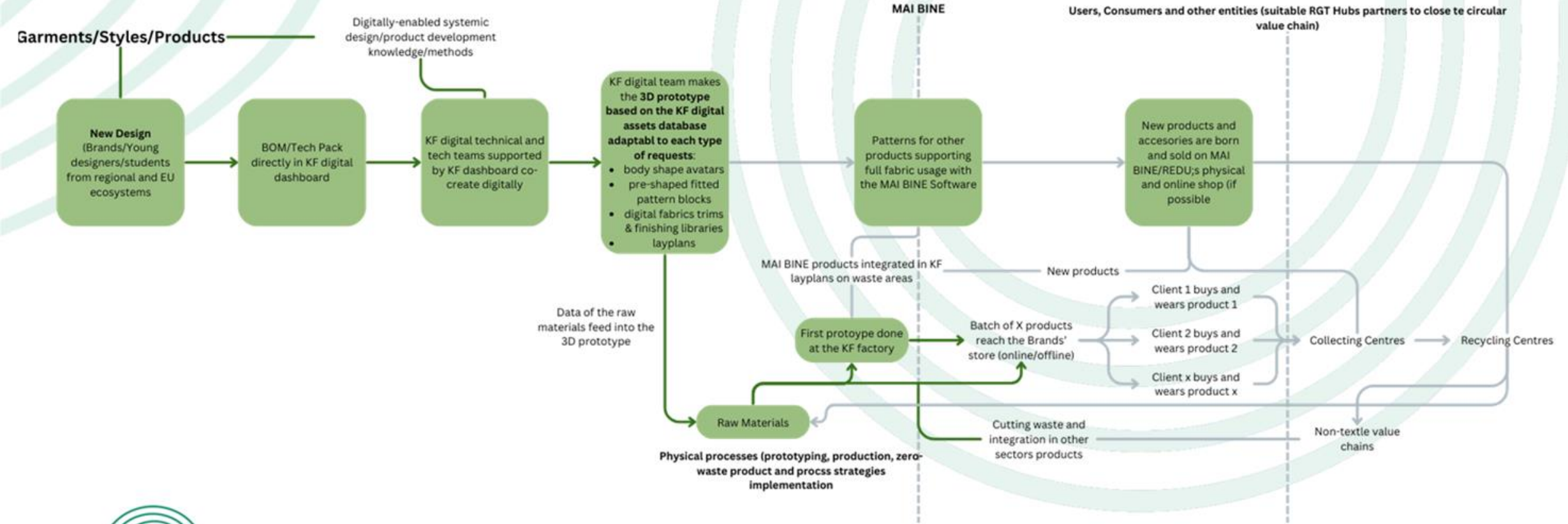
Goal → a digital service package for production planning, (customizable) new product technical sheet and specifications regarding the appropriate recycling technologies

1. As part of WP5 activity demo-case, the solution developed in WP3 (**digital product patch - zero-waste design for clothing patterns**) will be tested and adopted to industrial environment on Katty Fashion premises (replicable to the other RegioGreenTex partners that are interested);
2. Develop a regional platform to connect the regional textile recycling ecosystem that will later become **a digital B2B marketplace for waste recycling** (pre-consumer / industrial and commercial waste).

North-Est Romania Hub

building a textiles community focused on zero waste

INVESTEMENT DEMO-CASES



North-Est Romania Hub

building a textiles community focused on zero waste

ECOSYSTEM ACTIVITIES

- setting a **regional map** and database for:
 - innovation capacity for textile waste management;
 - textile waste producers, collectors, and recyclers (via surveys & interviews);
 - **comprehensive flow chart of the regional value chain for textile waste** → to highlight crucial points where the NERO GT Hub's partners could **provide support and assistance** to companies
 - integrate hub's demo-cases & other regional players within **interregional value chains** for circular textiles
- **promoting RGT results** from the other WPs and fostering RGT Hubs **cross-fertilization** (industrial cases & ecosystem activities)
- design and implement **awareness activities** on textiles circularity
- **promoting** NERO GreenTex Hub regionally & inter-regionally
- **connect** textile waste producers, recyclers and up-cyclers from the hub territory; connect researchers, companies, funders, innovation managers and public authorities from RGT regions;
- seize opportunities for **innovation & close-to-market projects**; **facilitate** new project partnerships and applications
- laying the ground for **collaboration & knowledge sharing** within the industry;
- **4helix workshops** and consultations;
- input for **policy making**

CONTACT:

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silviu.manole@adrnordest.ro



Presentation of the pilot projects developed within the hub by local SME

Elvys Sandu, Mai Bine



Co-funded by
the European Union

Mai bine's team for RegioGreenTex



• Elvys Sandu
elvys@maibine.eu

- License and Master's Degree in Fashion Design from the "George Enescu" University of Arts, Iasi
- President of Mai bine
- co-owner and co-manager of REDU
- 12 years of working experience in the T&C sector
- RGT coordinator from Mai bine's side



• Andreea Sofronea
andreea@maibine.eu

- License and Master's Degree in Theatrical Arts from the "George Enescu" University of Arts, Iasi
- Vicepresident of Mai bine
- co-owner and co-manager of REDU
- 10 years of working experience in the T&C sector
- Product Manager in RGT



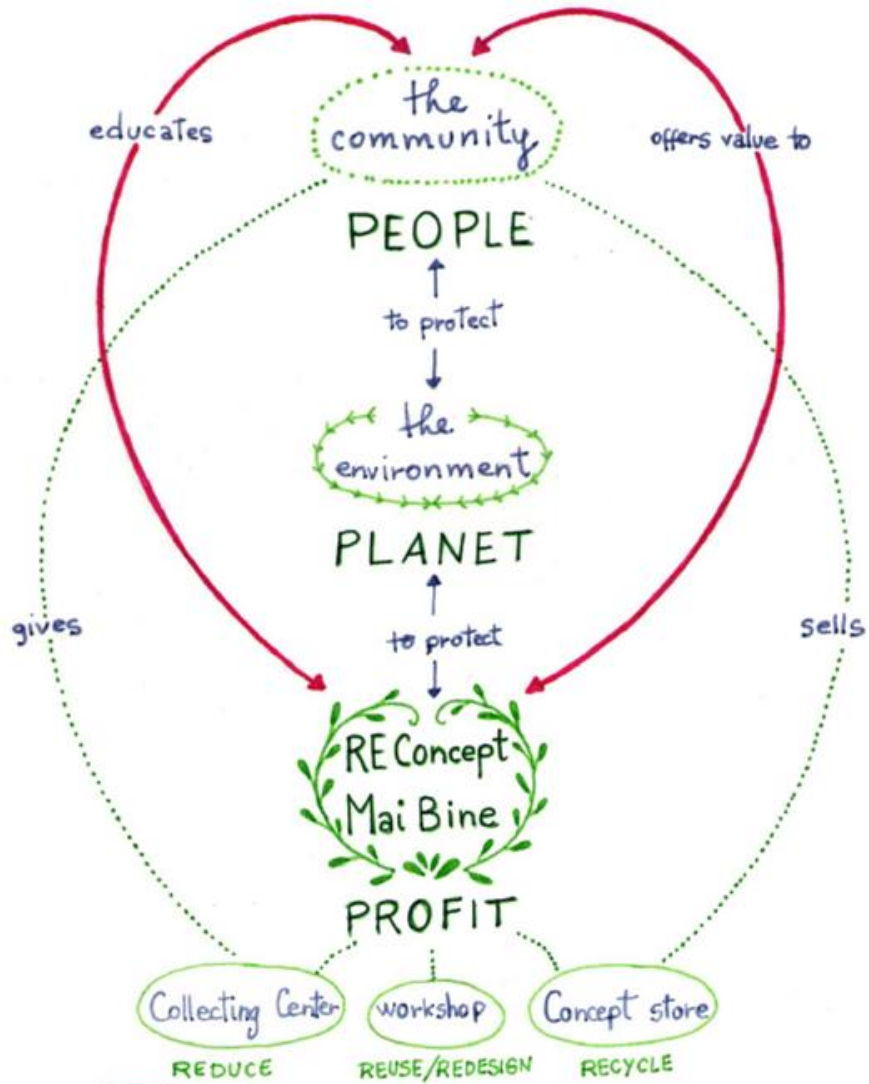
• Alexandra Florea
alexandraflorea@maibine.eu

- Master's Degree of Chemical Engineering at Twente University, the Netherlands
- Program Manager at Mai bine
- LCA and sustainability licensed expert
- 12 years of working experience in the industry sector
- Product Manager in RGT

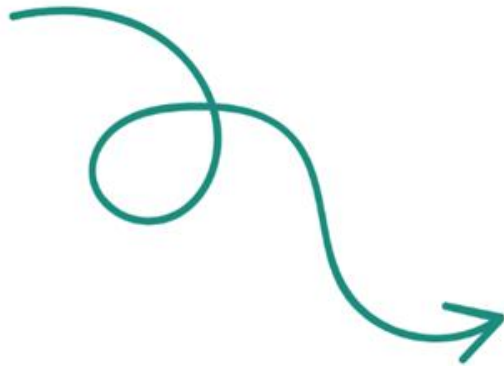


- **For the better/Better**
- **Founded in 2009, Iași Romania**
- **Grass-roots NGO**
- **Non-profit and apolitical**
- **Capacity building for sustainable development**





KICKSTARTED IN 2014 WITH



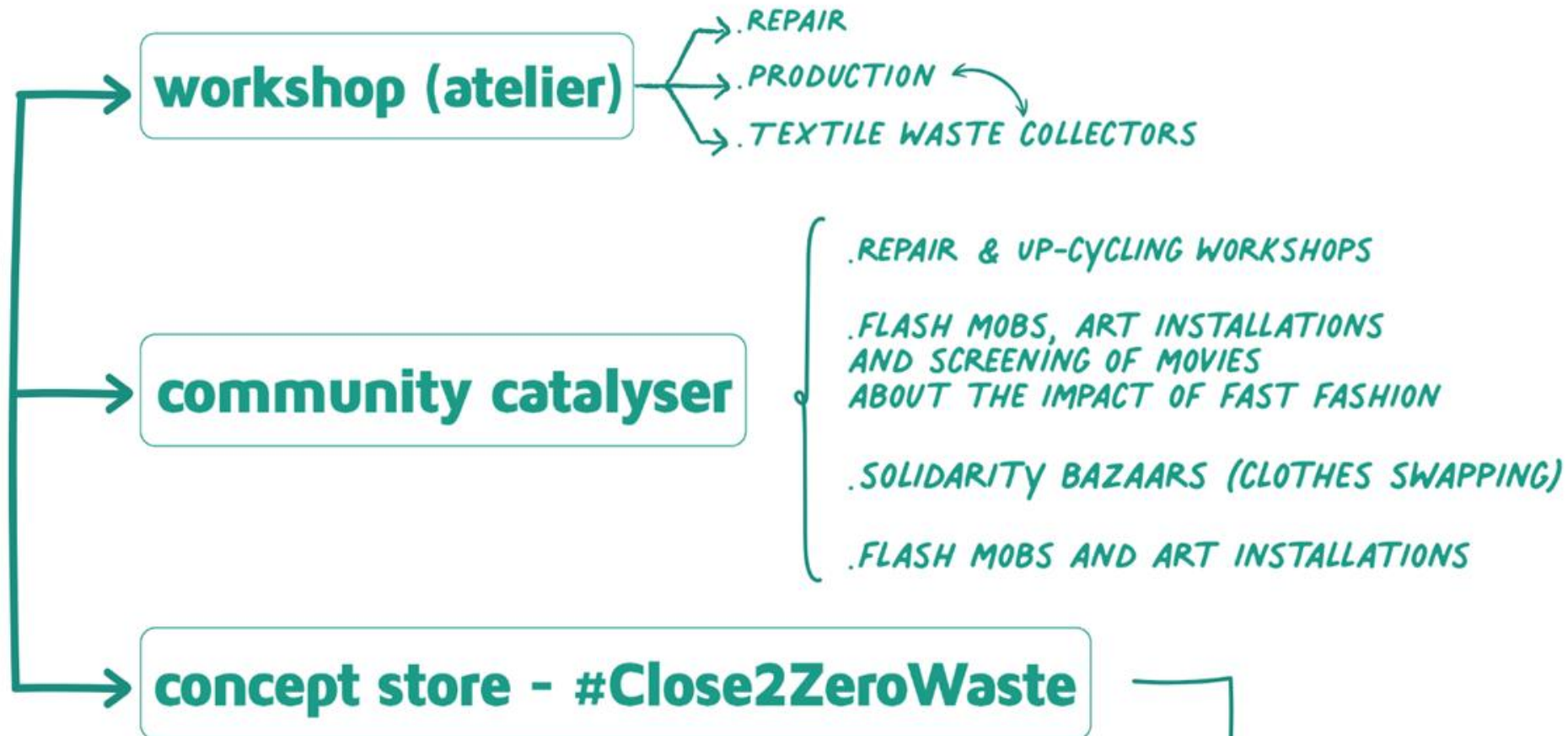
REDU

/ SOCIAL ENTERPRISE

CO-OWNED BY MAI BINE & ITS EMPLOYEES



Co-funded by
the European Union



.PHYSICAL STORE
GAVRIL MUSICESCU 14, IASI ROMANIA



Co-funded by
the European Union

1st 

collecting textile waste from the community

10 YEARS OF EXISTENCE

6 tons of  PRE-CONSUMER & POST-INDUSTRIAL

textile waste /leftovers



Co-funded by the European Union

through
RegioGreenTex

a software

an e-commerce
platform



/translated:
REDU's cut-offs
Textiles cut with meaning

/translated:
TEXTILES PAGE.ro
Transforming deadstock into resources



Co-funded by
the European Union



what?

is deadstock ■

leftover fabrics that cannot be used for their original purpose. Comming from:

- * canceled orders
- * errors in cutting or dyeing
- * slightly damaged textiles
- * fashion production, military, home decor, upholstery

why?

an e-comm platform

- * increased **demand** for deadstock fabric as a “sustainable” solution
- * an **economically viable** option for emerging brands/designers
- * **increased** traceability and transparency
- * **easy access** to a wide variety of fabrics already existing in the European market
- * **direct** contact with the factories
- * NE region of Romania has **80+** garment factories
- * good for the planet?



Fii parte din revoluția textilă sustenabilă.

Transformă resturile textile în resurse!



The features:

- **buying** and **selling** of deadstock
- information about our second tool,
Restul lui REDU
- **access** to a comprehensive list of
recyclers, **European** and **worldwide**
- **up to date** news on EU regulations

Fii parte din revoluția textilă sustenabilă.

Transformă resturile textile în resurse!

Pagina cu Textile este un magazin online sustenabil, în care producătorii și fabricile din industria textilă își pot transforma deșeurile textile în venituri suplimentare, în timp ce studenții și designerii de modă pot obține acces la materiale accesibile, ecologice, pentru a crea produse unice și remarcabile.

Vreau să cumpăr

Vreau să vând

50+

Vănzători în platformă

12,500 m²

Material textil vândut

500 tone

Material salvat

1,200 tone

Apă salvată

- * **create** an account
- * **list** your leftover fabrics, including sizes, materials, place of manufacture and pricing
- * **sell** directly to buyers
- * **stay** compliant with upcoming EU regulations

PAGINACU TEXTILE.RO Acasă Magazin Despre noi Știri Restul lui Redu Recycle

Panou control vânzător

Panou control vânzător

Panou control

Produse

Comenzi clienți


Setări magazin

Vezi pagina magazinului

Editează cont

Logout

78 Comenzi



Finalizate (22) În așteptare (4)
În procesare (8) Anulate (4)

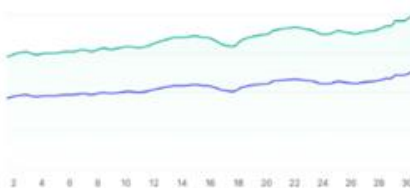
Vânzări nete
12,300 RON

Câștiguri totale
12,300 RON

Afișări pagină
3,200

Comenzi
78

Vânzări luna aceasta



Total vânzări Număr de comenzi

Produse

Adaugă produs nou

Total	123
Online	76

Deconectate	2
În revizuire	5

PAGINACU TEXTILE.RO

Primul marketplace care facilitează tranzacționarea și valorificarea resturilor textile.

PAGINA CU TEXTILE

Acasă

MAGAZIN

Despre noi

Știri

Restul lui Redu

Recycle

Contact

CONT

Vinde textile

Logare în cont

Înregistrare

Comenzile mele

Urmărește comanda

AJUTOR

Întrebări frecvente

Cum cumpăr

Cum se livrează

Cum pot vinde

LEGAL

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Politică de confidențialitate

Politică cookies

Politică de retur

ANPC

Soluționarea litigiilor

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PAGINACU TEXTILE.RO Acasă Magazin Despre noi Știri Restul lui Redu Recycle

Vinde textile

Lista vânzător

Fashion Sense

Categorii

- Metraj (42)
- Roși material (42)
- Bucată întregă (78)

Adăugate recent de acest vânzător

- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON

Contactează vânzătorul

Numele tău

Emailul tău

Message tău


Trimite mesaj

Fashion Sense SRL

100%

Iași, Romania

info@fashionsense.fake



Produse (42)

Caută produse...

Cele mai noi

- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON
- 189 RON 250 RON

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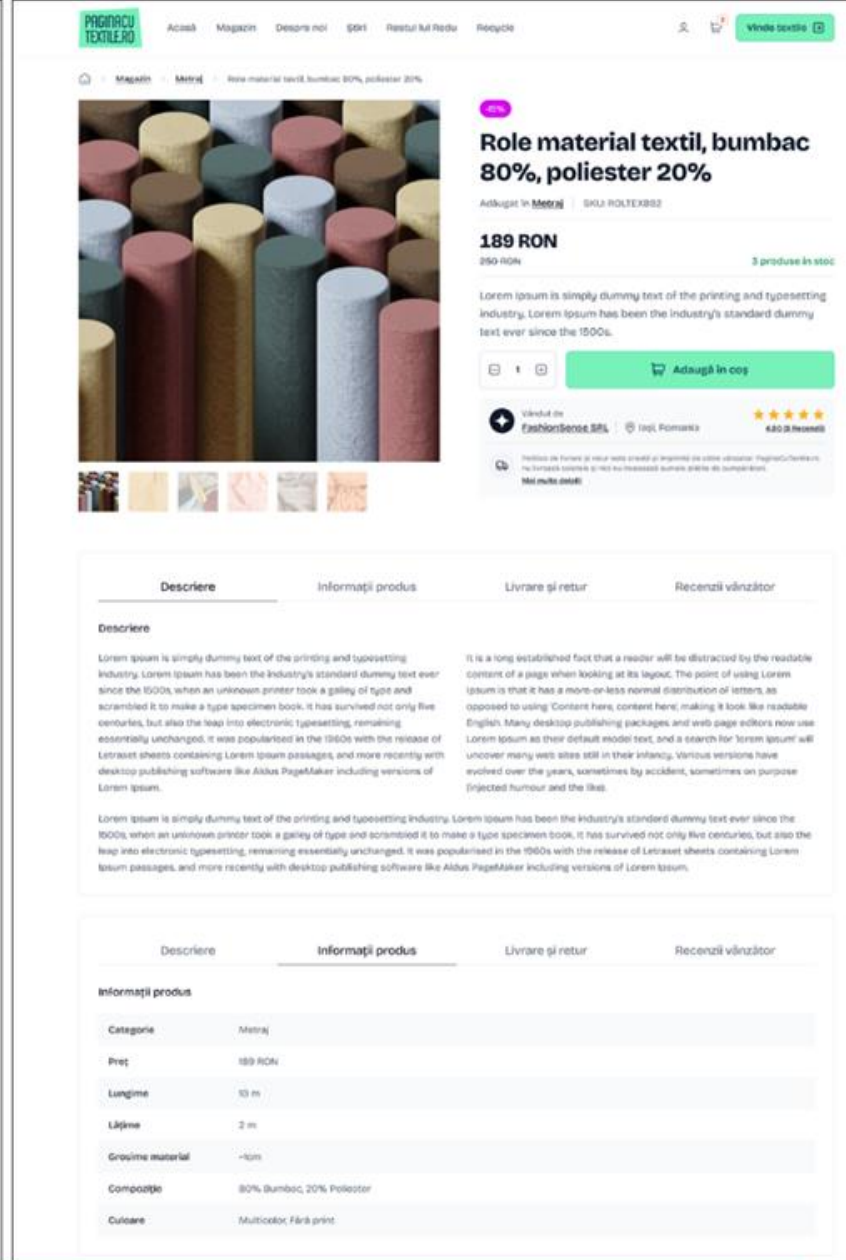
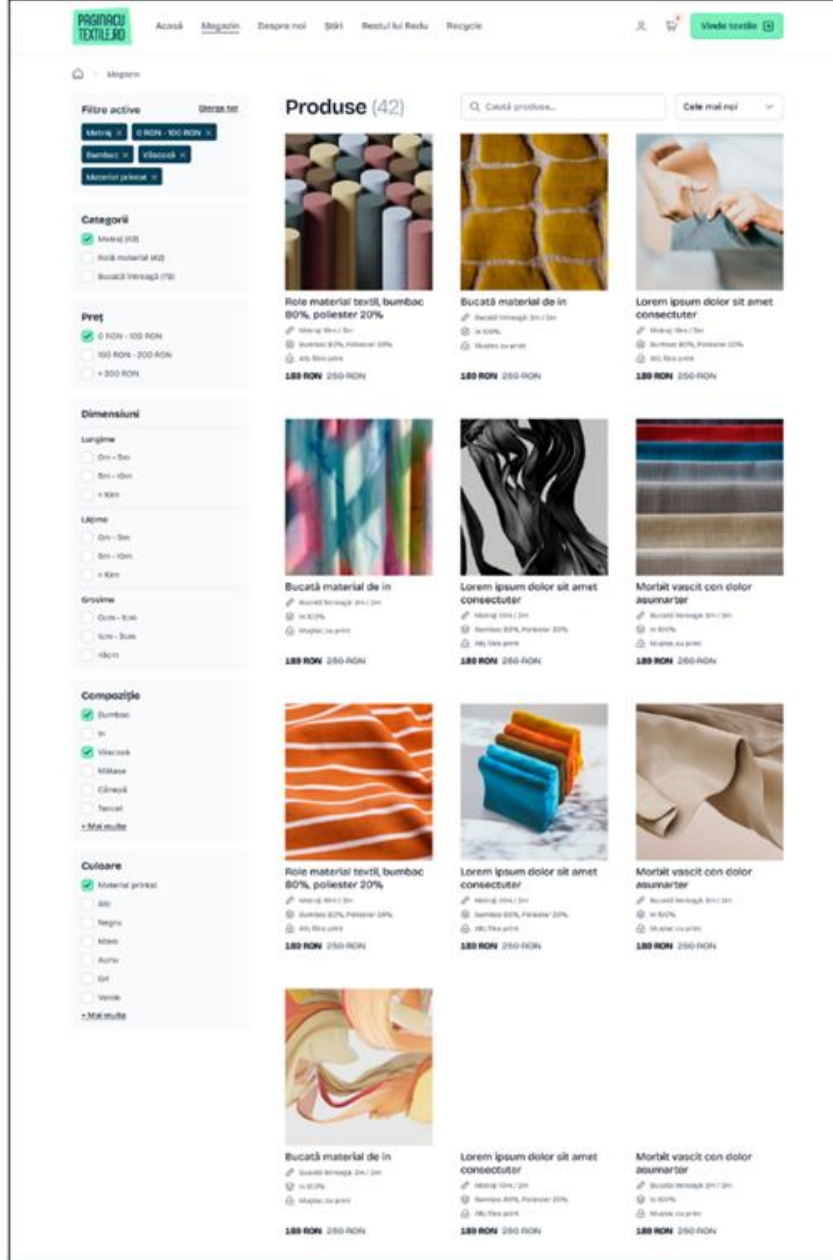
REGIO GREEN TEX

Co-funded by the European Union

how?

to buy

- * **create** an account, or not
- * **browse** a variety of available materials.
- * **buy** directly from sellers
- * **purchase** what you need, from entire fabric rolls to smaller quantities.





buyer with or w/out account

PAGINACU TEXTILE.RO Acasă Magazin Despre noi Știri Restul lui Redu Recycle Vinde textile

Coș cumpărături

Coș cumpărături (2)

Produce	Preț unitar	Cantitate	Sub-total
 VÂNDUT DE FASHIONSENSE Role material textil, bumbac 80%, poliester 20%	189 RON	1	189 RON
 VÂNDUT DE DROPSPORT Lorem ipsum dolor sit amet consectetur	189 RON	1	189 RON
Sub-total			378 RON

[Update coș](#) [Șterge toate produsele](#)

Sub-total coș 378 RON

Colet 1, Livrat de Fashion Sense

Livrare prin Fan Courier 25 RON

Livrare la 700580, Iași, Iași, România, [Modifică](#)

Colet 2, Livrat de DropSport

Livrare prin Sameday 25 RON

Livrare la 700580, Iași, Iași, România, [Modifică](#)

Total 428 RON

[Finalizează comanda](#)

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Primul marketplace care facilitează tranzacționarea și valorificarea resturilor textile.

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PAGINACU TEXTILE.RO Acasă Magazin Despre noi Știri Restul lui Redu Recycle Contul meu

Contul meu

Bine ai revenit
Alin Popescu

Comenzile mele



Adresele mele

Detalii cont

Logout

Detalii comandă

Comanda nr. 20 a fost plasată pe 15.09.2024 și acum este în procesare.

Produce	Total
 VÂNDUT DE FASHIONSENSE Role material textil, bumbac 80%, poliester 20%	189 RON
 VÂNDUT DE DROPSPORT Lorem ipsum dolor sit amet consectetur	189 RON
Subtotal	189 RON
Livrare	50 RON (25 RON + 25 RON)
Metoda de plată	Ramburs, numărul la livrare
Total	428 RON

Sub-comenzi

Stat: Anchetă comenzi, are produse de la mai mulți furnizori. Platare comenzi va fi gestionată de furnizorul respectiv în mod independent.

Comandă	Data	Status	Total	Ajutor
#2232	15 Septembrie 2024	În procesare	214,00 lei pentru 1 element	Vezi
#2234	15 Septembrie 2024	În procesare	214,00 lei pentru 1 element	Vezi

Adresă de facturare

Alin Popescu
Str. Alexandru cel Bun, nr. 14
Str. 1212, sc. B, et. 3, ap. 15
Iași
700580
alin@popescu.ro

Adresă de livrare

Alin Popescu
Str. Alexandru cel Bun, nr. 14
Str. 1212, sc. B, et. 3, ap. 15
Iași
700580
+40740123456

PAGINACU TEXTILE.RO

Primul marketplace care facilitează tranzacționarea și valorificarea resturilor textile.

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where
we
are at
the
moment

PAGINACU
TEXTILE.RO
Transformă resturile în resurse!

COMING SOON

Primul marketplace care facilitează
tranzacționarea și valorificarea
resturilor textile.



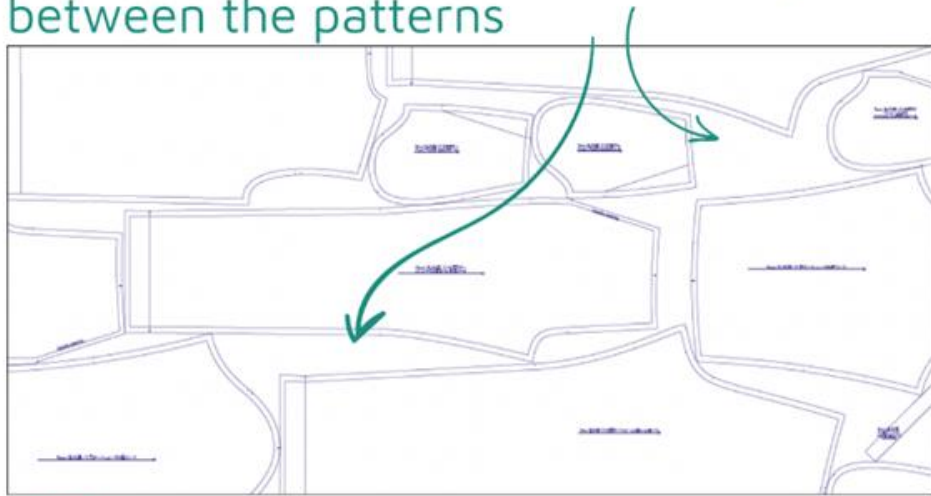
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what?

are cut-offs

or **pre-consumer leftovers**, refers to any type of leftovers that emerge throughout the value chain but do not reach a consumer.

- * cutting scraps
- * small pieces of fabrics from the spaces in between the patterns



dumping sites in Dhaka for 14 factories

Sorting of mixed leftovers by piece size behind a factory



why?

a software tool



- * data from several factories in China and Bangladesh show post-industrial textile spills averaging at least **25%** of resources used, and in some cases up to **47%** *.
- * due to lack of time (**waiting, collecting, sorting, washing, assorting**) at the moment we only manage to use between 10% to 20% of what we collect
- * **better** than recycling

*Reverse Resources White Paper, 2017



**Restul
lui REDU**
textile tăiate cu sens



how?
it works

- * offline digital application
installed directly on factory computer
- * creates **new cutting maps** with REDU or
customizable patterns
- * **easy** to use UI (user interface)
- * new products from old scraps



where we are at the moment

- * **first BETA version ready**
- * log in user interface/upload cutting maps
- * custom maps to be developed
- * testing in factory to be scheduled





Thank you!

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elvys@maibine.eu



Presentation of the pilot projects developed within the hub by local SME

Caterina Ailiesei, Katty Fashion



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KATTY FASHION RGT PILOT '24



Bespoke Zero-Waste
Manufacturing

WE TURN YOUR
IDEAS INTO
REALITY

- Zero pre-consumer waste services
- Co-creation services
- Bespoke 3D garment prototyping
- Systemic product development

 katty-fashion.com

www.katty-fashion.com



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ABOUT US

Award-Winning Excellence

- 2019: C-Voucher Competition
- 2020: Boost-up Transform CLC East EITM Competition
- 2024: Teaching Factory Deep Tech Winner

Innovative & Sustainable

- Sustainable** business model with a bottom-up AGILE approach
- Development of techniques and services for **zero pre-consumer waste** and **smart manufacturing**
- Unique **collaborative approach** for design & product development

Collaborating for a Sustainable Future

- Working closely with quadruple helix experts in **digitalization**, bio-based, **circular models** and sustainability
- Interconnected EU **value chains**
- Impactful ecosystem and collaborations in a variety of EU projects

High-end, bespoke
manufacturing

Bespoke 3D garment
prototyping

Fashion Factory of the Future



2019 - 2020

3D Technology
Implementation



2021

3D Technology
Optimization



2022 - 2025

Digital Twins &
CPPS/AI&ML



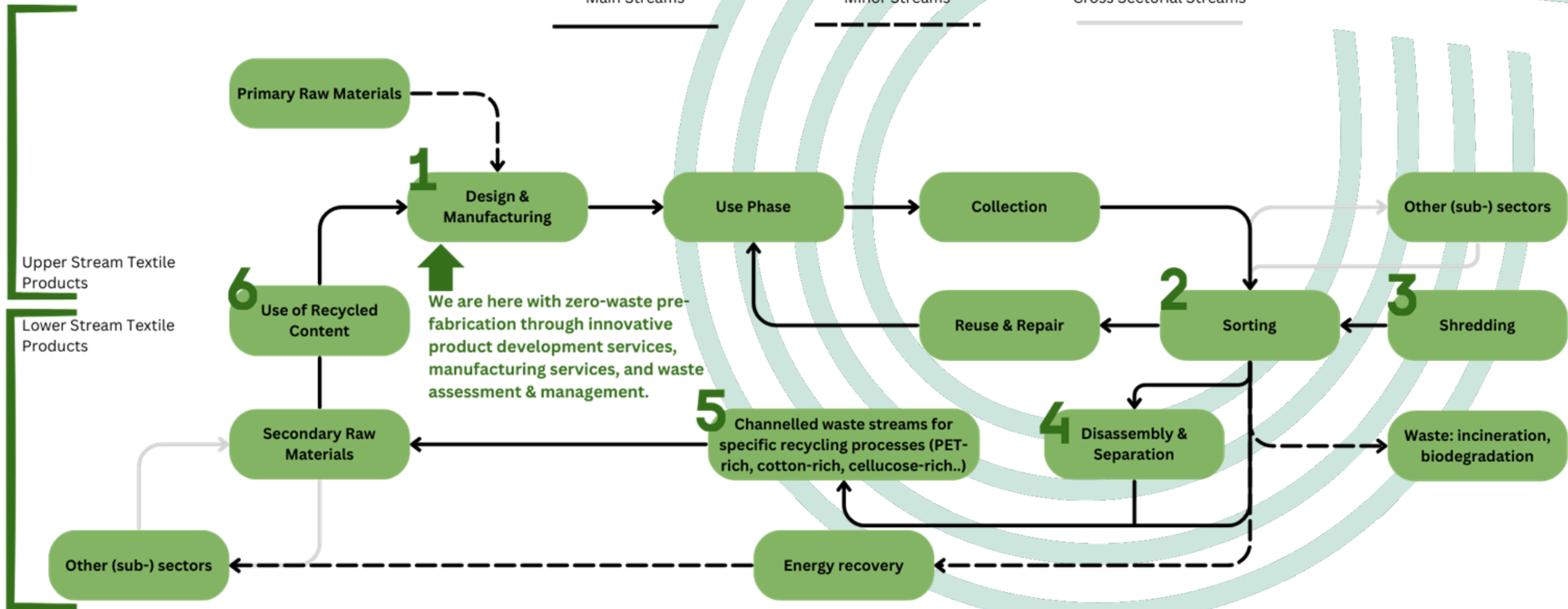
2023 - 2026

CPPS, IIOT & Green,
Circular Technologies

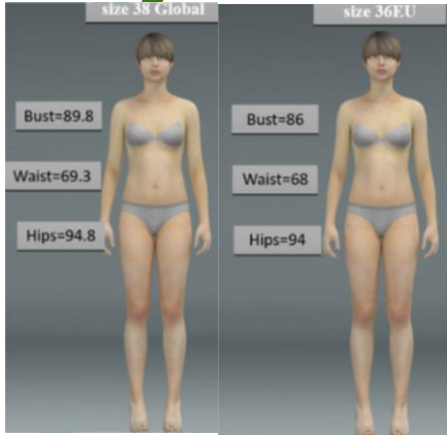


2025 - 2030

Fashion Factory of the
Future Development



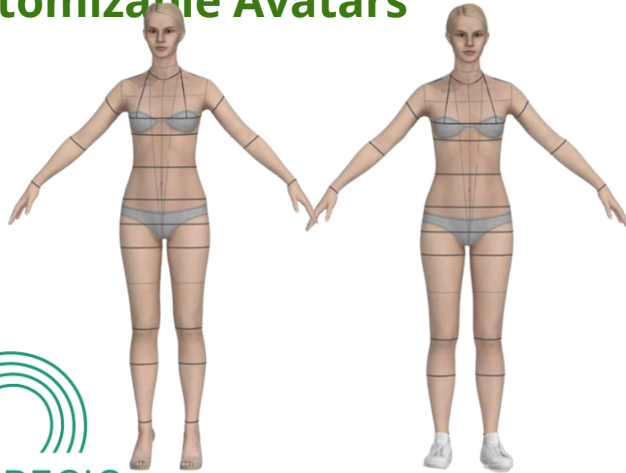
KF Digital Assets



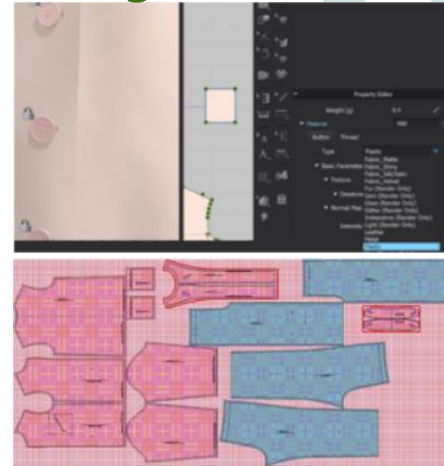
KF fitted pattern blocks




KF Customizable Avatars




KF digital libraries



Katty Fashion digital infrastructure for zero-waste systemic design/product development and waste utilization assessment & management





Drag files
Click to upload files (files should be under 20 MB)

PJ Basic

Model made from waste ⓘ

Model Owner:

Technician: No technician assigned yet ▾

✓
Bill of Material
Completed

✓
Open Costing Sheet
Completed

✓
Model Sheet
Completed

✓
Consumption
Completed

✓
Size Chart
Completed

✓
Other Documents
Completed

✓
3D Model
Completed

✓
Process
Completed

Waste Utilization Assessment

A Waste Utilization Assessment (WUA) is a systematic process used to evaluate the potential ways waste materials can be repurposed or disposed of in an environmentally and economically sustainable manner. It examines the impact of different waste management strategies, such as converting waste into new products, recycling, composting, or other disposal methods, on both the environment and business efficiency.

Repurpose using an existing model	Model Name	Model Owner
Repurpose waste into new products to reduce environmental impact and create sustainable value.	Waste Product 1	Katty Fashion
	Waste Product 2	Katty Fashion

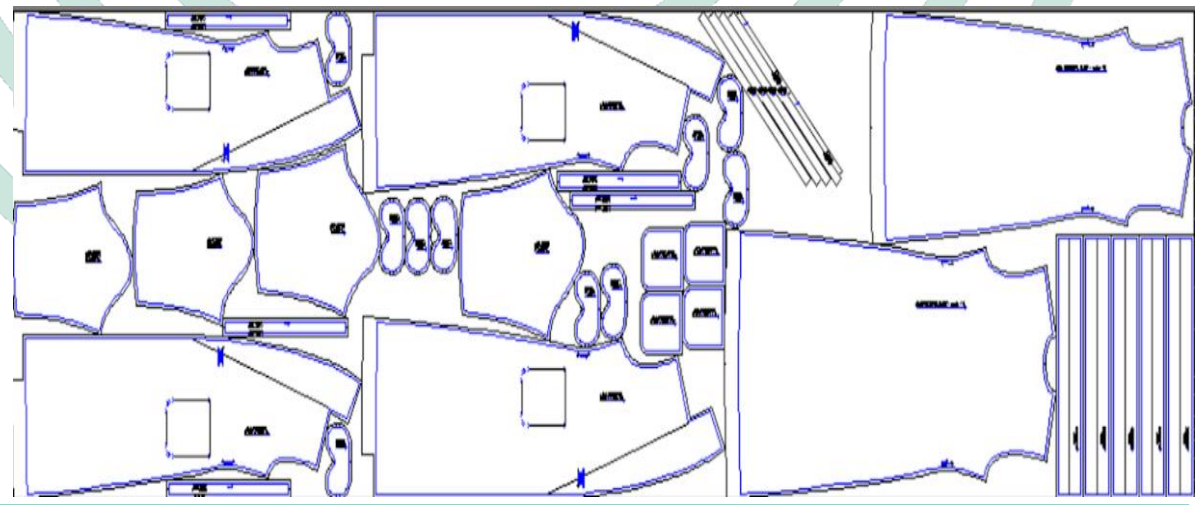
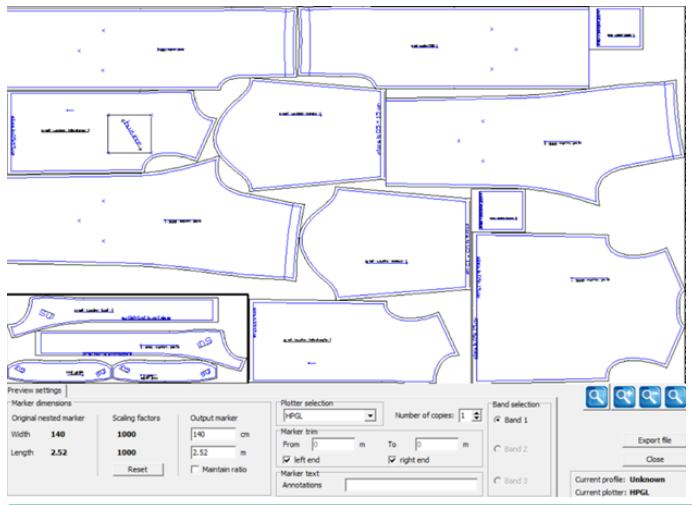
Previous 1 Next

Chose a different way of WUA
Choose how you would like to manage the waste from your order: keep it, let us repurpose it, donate it to other organizations, or have it shredded.

- I would like to receive the waste back when the order is completed
- I would like to let Katty Fashion use the waste
- I would like to hand out the waste to other organisations
- I would like you to shred the waste



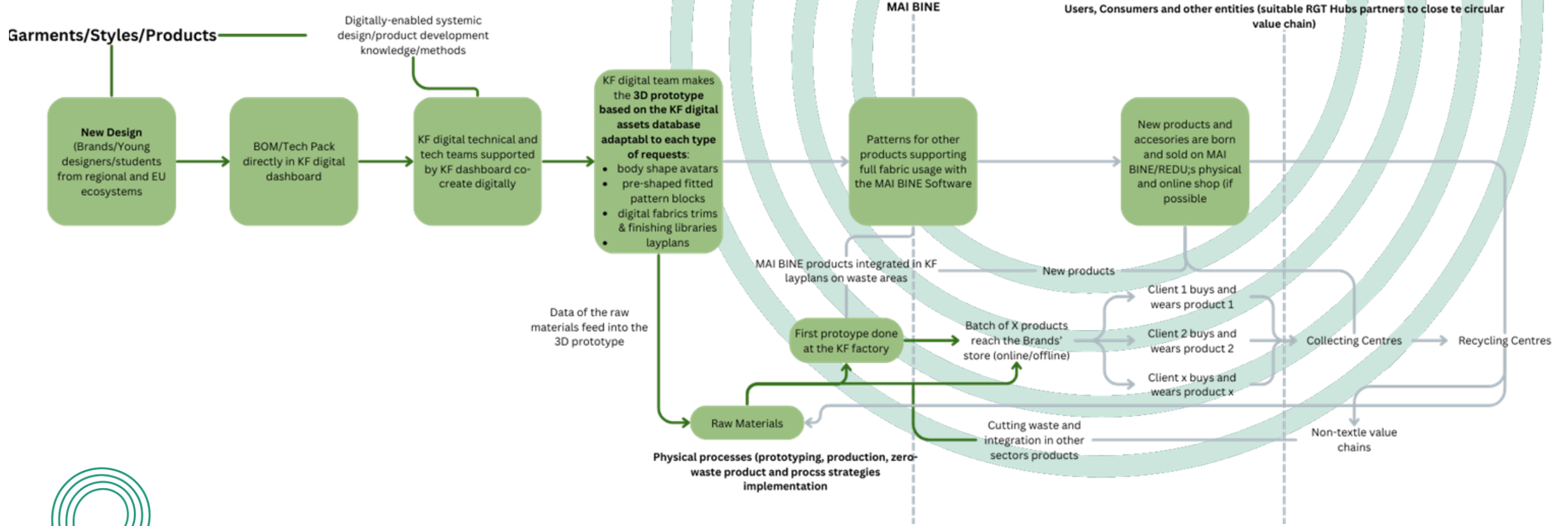
Digitally-enabled circular zero-waste collaborative design and product development using digital assets



Co-funded by the European Union



Digital Collaborative Work Environment for zero-waste circular systemic design/product development & manufacturing



Co-funded by the European Union

Policy approach to circular textiles: from European to regional perspectives and back again

Gabriela Macoveiu, North-East Regional Development Agency



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Gabriela MACOVEIU

**Director for Communication, Innovation and
Foreign Cooperation**

**Coordinator of North-East Romania's Strategy
for Research and Innovation for Smart
Specialisation (RIS3 North-East)**

North-East Regional Development Agency

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Q&A

Thank you

*For more information about the RegioGreenTex Community Talks,
contact: charlotte.denis@textile-platform.eu*



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Supporting traceability in the value chain

From the raw material to the garment

24 October 2024 • 10:30-11:30 • Online

