

Green Deals

Duurzaam uit de Crisis

Circular principles integrated in textile education

Circular Textile

as a key enabler for sustainable recovery

In the the Metropool Amsterdam we have the ambition to process 50% of the textile in a closed loop by 2030 and to use 30% recycled material from discarded used textiles by 2025. This means that we recycle regionally discarded textiles in the region, reduce the sale of virgin textiles, and create new economic activities with business models high on the R ladder such as borrowing, second-hand / vintage and repair. This requires innovation in the field of recycling technology, businesses and also textile education. In view of Covid 19 and the need for new economic activity, accelerating the work towards a circular textile industry will create jobs, accelerate CO emissions in the region and strengthen the Metropools reputation for circular textiles.

The commitments

within the Green Deals Circular textiles

Within the Green Deals multiple parties are committed to the ambition to work towards a circular industry over the next three years. This means that collections will become circular due to 1. the application of Post-Consumer Recycled Content (PCT) in garments (re cycling) and / or 2. collections are based on circular business models to use products longer and close cycles (re-use, repair, re-commercing, repurpose). This can only be achieved if all stakeholders invest in:

- qualitative and quantitative improvement of the processing of discarded textiles,
- knowledge building and dissemination of all aspects of circularity,
- awareness among end users,
- focussed use of purchasing power and financial means.

Reducing the quantities of textiles, improve the quality and longevity and scale recycling can only be achieved if brands, producers, knowledge & educational institutions, financial institutions, governments and end users make an effort.

We have identified the following initiatives within this Green Deal:

- Repair Shared Service Centre
- Circular Fashion Innovation Lab PCT
- Full integration circular principles in textile education
- Procurement of circular work clothing
 - (semi) governments,
 - Care (Insulation jackets)
- Awareness campaign for behavioural change (also part of the above)

Full integration circular principles in textile education

This deal relates to the following objective:

Each student that graduates with understanding of circular and sustainability principles will be another ambassador to design the future.

We need skilled people

to transition towards regenerative fashion industry

1. The transition of the industry towards more regenerative and sustainable models needs professionals who understand the complexity of the circular principles for their role. Classical fashion education creates people that create clothes. We need people that create a better industry;
2. Currently the institutions depend largely on individual initiatives from the teachers and tutors. Toolboxes for efficient distribution of piecemeal parts of curricula are not yet to be found;
3. The wide variety of institutions in the region all deliver a specific part of skills and competence needed for specific jobs. It is unknown though if we cover the wide spectrum that is needed;
4. There is a lack of clarity about what it means to implement the circular principles in education curricula, e.g. a specific curriculum, integration into existing subject or cover full curriculum;
5. There is a lack of spaces for students to build experience in circular working environments;
6. Life long learning of professionals on circular principles and practices and re skilling of non textile professionals requires a different way of organising;
7. Collaboration between institutes – mimicking the so much needed circular supply chain collaboration – often lacks finance and resources;
8. The ambition of the region and the attractiveness for sustainable and circular brands will require more skilled people in the short and long term

Embedding circular principles in the curricula of the knowledge institutes is a pre requisite to make the transition towards a circular industry. Moreover, to enable the ambition of the region, the educations that deliver young professionals or support re skilling of professionals play a pivotal role. We need to better understand the future skills and competences of the jobs required to make the industry circular. Each student that graduates with full graduates with awareness and understanding of circular and sustainability principles will be another ambassador to design the future.

is to support a circular textile economy

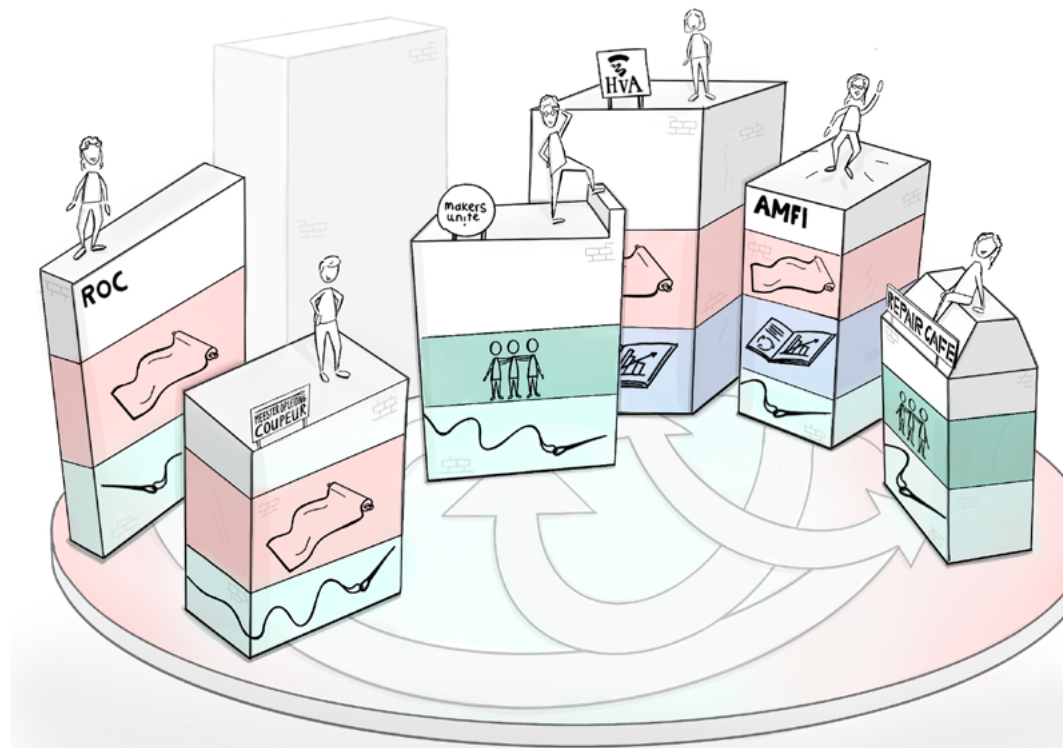
to circular curricula for textile job market

In order to enable much needed research in this sector, a main condition is that we all acknowledge that circular textiles efforts are mostly based on assumptions of what their benefits are. By recognizing that, we may all see the need for research to build on evidence instead. A result of this would be real cooperation to build a body of knowledge that backs up the actions to be taken.

How

do we collaborate

- **Holistically** – we integrate circular thinking and regenerative use of resources, energy and people in all Fashion jobs: design, technical, management, branding, marketing, etc.
- **Shared interest** – we acknowledge that working together will deliver timely on the urgent need for the transition. We each have a role to play and each will benefit from the progress others make.
- **Result oriented** – we are practical and want to build on our wide experience, being mindful of fresh and new insights on what is needed and what is already available from other academia or think tanks.
- **Efficient and effective** – we have a huge task ahead. Integrating circularity principles in the curricula and re skilling our tutors needs a hands-on approach. We will look in opportunities to share efforts, include brands and producers, and re distribute learning materials.
- **Mindful for our role** – we have various roles to play in this transition. Not only do we bring young professionals to the job market, we lead in research on a wide variety of levels and develop front running new skills and insights.



Q4 '20

Inspire top management commitment to integrate circular principles in the whole curricula.

Q1/2 '21

Take stock of all the educational institutes on (circular) textiles, toolboxes or modular curriculum, circular principles (definition), language to express circular principles, jobs and skills for textile industry
Concept plan (approach and next steps)
Secure process money to support in this journey
Identify research to be set up to support the regional ambition

Q2 '21

Develop and implement an **Expedition** for each institute and combinations of institutes **to meet industry and other institutes**
Agreement on a shared language and the concept for a 'platform' for sharing and its governance
Set up collaborations with brands and manufacturers
Pilot with **Expeditions** and evaluate
Various workshops to map the future needs in the context of own institute and against the current landscape or set up of the curriculum
Define objectives as to how to develop and identify the gaps.

Q2 '21

Make a detailed 1 year plan and a 3 year high level plan as to come to fully circular curriculum (total focus)

Q3 '21

Pilots/experiment
Develop a toolbox/modular curriculum

Q1 '22

Evaluate progress and adjust
Update toolbox/modular curriculum

Q3 '22

Implement

Q1 '23

Evaluate progress and adjust

Q3 '23

Implement

Q1 '24

Evaluate progress and adjust

2025

Curriculum for textile is circular; graduates understand and practise circular principles in their job.

The coalition

of the willing

1. **Amsterdam University of Applied Science / AMFI**
2. **ROC van Amsterdam and ROC van Flevoland**
3. **Meesteropleiding Coupeur Amsterdam/Master Tailor Institute Amsterdam**
4. **Amsterdam Fashion Academy**
5. **Industrial partners (collection, sorting, shredding, spinning, weaving, knitting etc.)**
6. **Amsterdam Economic Board**
7. **Metropool Amsterdam**
8. **Gemeente Amsterdam in REFLOW with partners**

Our intentions to collaborate (on top of the above)

Amsterdam University of Applied Science

Within the coalition of the willing

- We commit to integrating circular principles in all our textile curricula (total focus)
- We commit to setting up a research consortium and lead this
- We commit to support in securing funds (e.g. European level (e.g. Horizon Europe and European Green Deal) and national level (e.g. SiA or NWO).
- Commit to support annual seminars/symposia with fact based research on effect.

ROC van Amsterdam en ROC van Flevoland

Within the coalition of the willing

- We commit to integrating circular principles in all our textile curricula (total focus)

MakersUnite

Within the coalition of the willing

- We commit to explore the role of students in Repair Shared Services Center

Meesteropleiding Coupeur Amsterdam

Within the colation of the willing

- We commit to integrating circular principles in our tailor curriculum.
- We commit to explore how to integrate practical workshops with regional industry.
- We commit to be partner in projects - design and craft based - research and development
- We commit to providing students & alumni.

Production (sorting, cleaning, shredding, spinning, weaving, knitting)

Within the coalition of the willing

- We commit to providing opportunities for internships, research etc.
- Collect and share textiles/materials in different stages for educational purposes
- Collect and share data on textiles sorted and collected, and their destiny, for research and monitoring purposes

The Amsterdam Economic Board

- explores, in collaboration with GreenDeal Talent and other appointed stakeholders, how to use training courses to lead people with (imminent) unemployment to a circular textile job.
- will provide resources to bring the consortium to a next phase e.g. a detailed workplan.
- strengthens the Metropolitan circular textile ecosystem, with the aim of identifying new partners to this deal, new collaborations and partnerships e.g. to secure internships and research opportunities;
- The Board and the municipality of Amsterdam will support in finding process and/or PoC funding.

Metropool Amsterdam and the Board

- **The Metropool Amsterdam and the Board** jointly stimulate circular procurement from resp. municipalities and businesses for (services of) textiles in general and of work clothing and interior textiles in particular, for which the maintenance is part of the 'purchasing', The Repair Shared Service Center i.o. and the Circulair Fashion Innovation Lab are considered as a partner.

Municipality of Amsterdam

- **The Municipality of Amsterdam** develops promotional activities, aimed at raising awareness of consumers when it comes to extending the lifespan, purchasing textile products with recycled materials, and the disposing of these products so that the products can be reused or recycled.
- **The Municipality of Amsterdam** facilitates through existing support channels when it comes to possible location for the activity, search for financial support or investment, network partners;
- **The Municipality of Amsterdam** facilitates through the effort of the REFLOW program with in-kind knowledge and support contribution;

made possible by



**Amsterdam
Economic
Board**