



Emile Bruls DAKOFA study tour / regional meeting 18-20 April 2018

Dutch circular textiles





Project supported by LIFE funding

Presentation

- Dutch circular economy policy
- Circular Textiles Roadmap
- CSR Covenant Sustainable Garments and Textile
- European Clothing Action Plan
- Your expectations



Dutch circular textiles

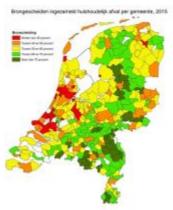






Welcome to the Netherlands

- 17 million inhabitants
- 40.000 km²
- 12 provinces
- 380 municipalities
- 60 million tons waste
- 8,4 million tons household waste (2016)
 - 4,5 million tons separated
- From 250 kg/inh -> 100 kg/inh in 2020
- 75% separated collection





Dutch circular textiles







Role of municipalities

- Responsible for collection of household waste > Optimize (seperate) collection
- Permits to charities and textile collectors
- Raising awareness among citizens
- 235 kilo tons of clothing (2012)
 - 145 kilo tons incinerated
 - 90 kilo tons separately collected
 - 4 5,5 kg/inh (2016; steady since 2006)
 - 9,7 kg/inh in residual waste (growing)







Dutch circular textiles

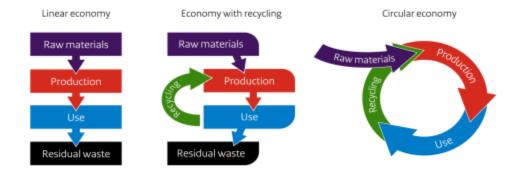
hoject supported by UFE funding

Government-wide Program Circular Economy

Objectives

- 100% circular economy by 2050
- 50% reduction in use of raw materials by 2030
 - -Reduction
 - -Recycled
 - -Biobased
 - -Sustainably sourced





Dutch circular textiles





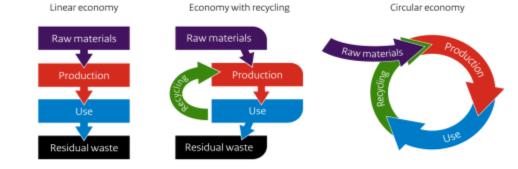


Government-wide Program Circular Economy

- Sent to parliament in September 2016
- By ministers for the Environment and Economic Affairs
- Both a vision and a programme for current steps and subsequent steps

National raw materials agreement signed in January 2017 with about 380 companies, organisations and other stakeholders





Dutch circular textiles



Rijkswaterstaat Ministry of Infrastructure and Water Manaaement





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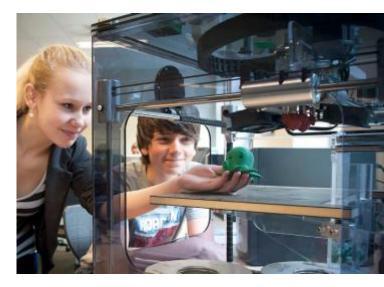
Government-wide Program Circular Economy

Government interventions

- Fostering legislation and regulations •
- Intelligent market incentives •
- Financing •
- Knowledge, education and innovation •
- International collaboration, especially at EU level •

https://www.government.nl/documents/policy-notes/2016/09/14/acircular-economy-in-the-netherlands-by-2050





Dutch circular textiles



nd Water Management





Five priority sectors / transition agendas





- 1. Biomass and food
- 2. Plastics
- 3. Manufacturing industry
- 4. Construction
- 5. Consumer goods
 - Furniture
 - Electrical appliances
 - Clothing and textiles
 - Disposables







Dutch circular textiles







What's in it for textiles?



- Support Circular Textiles Platform and its Roadmap
- Awareness raising consumers Love Your Clothes
- Training and tailered advice companies / design
- Development of recycling technologies
- New business models
- EPR for clothing
- Dutch Circular Textiles Valley

Dutch circular textiles





Circular Textiles Platform and Roadmap

- Brands, workwear suppliers, recyclers, NGO's working together
- Ambitions:
 - Circular design
 - Circular supply chain; improving collection sorting and use of recycled fibres
 - Mechanical recycling
 - Chemical recycling
 - Business models
 - Improving resources

www.afvalcirculair.nl/onderwerpen/afvalstromen-ketens/textiel/







Dutch circular textiles

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Dutch Agreement on Sustainable Garments and Textile

Covenant between companies (50), industry organisations, national government, trade unions and NGO's

- Improve working conditions
- Prevent pollution
- Promote animal welfare

Aim is to have 50% of companies on board in 2018 Cooperation with German Partnership for Sustainable Textiles

www.imvoconvenanten.nl/garments-textile?sc lang=en





Dutch circular textiles







Dutch Agreement on Sustainable Garments and Textile

- Due diligence risk investigation (human rights, environment, animal welfare)
- Provide production locations
- Develop action plans
- Joined efforts for common issues, for environment use of energy, water and chemicals, less waste and waste water, choice of materials -> link to Roadmap





Dutch circular textiles







European Clothing Action Plan – ECAP

ECAP

Aims:

- Reduce clothing waste across Europe
- Circular economy approach
- Divert over 90 tonnes of clothing waste from landfill and incineration
- Reduce environmental footprint of clothing
- Less low grade textiles go to incineration and landfill
- Prevent waste in the clothing supply chain
- Encourage innovation in design, recycling and service models
- Influence consumers to buy smarter and use clothing for longer





Rijkswaterstaat Ministry of Infrastructure and Water Management



DanishFashionInstitute





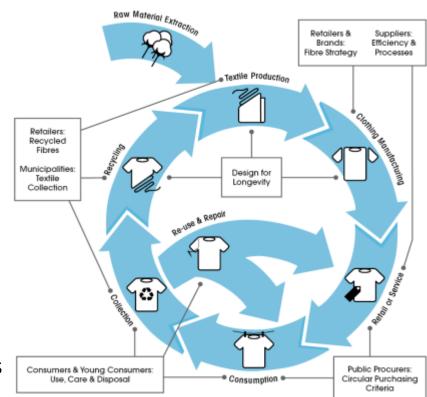




ECAP

Actions:

- www.designforlongevity.com/
- Sustainable production processes .
- Brand fibre strategies •
- Masterclasses and criteria for public • procurers
- Love Your Clothes campaign •
- Young consumers pilots London
- Improving collection
 - **Report Used textiles European cities** (Plan Miljø)
 - Regional meetings
 - Guidance for municipalities and • collectors
- Nine pilots with brands using recycled fibres •











Program DAKOFA study tour 18-20 April













European Clothing Action Plan – ECAP













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European Clothing Action Plan – ECAP