

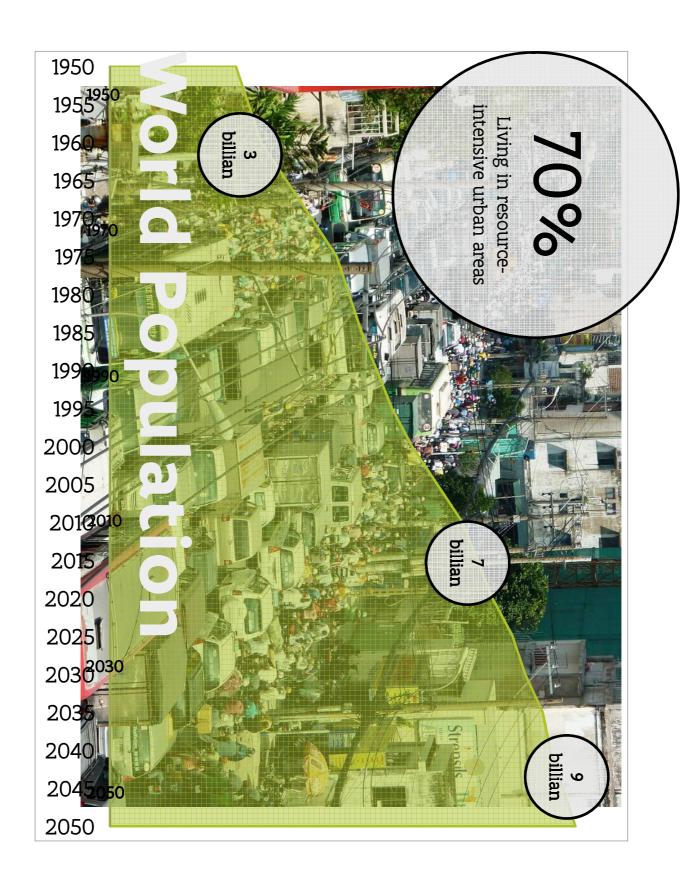
Circular Economy in the Region Genk

Veerle Labeeuw Vlaams Materialenprogramma / OVAM

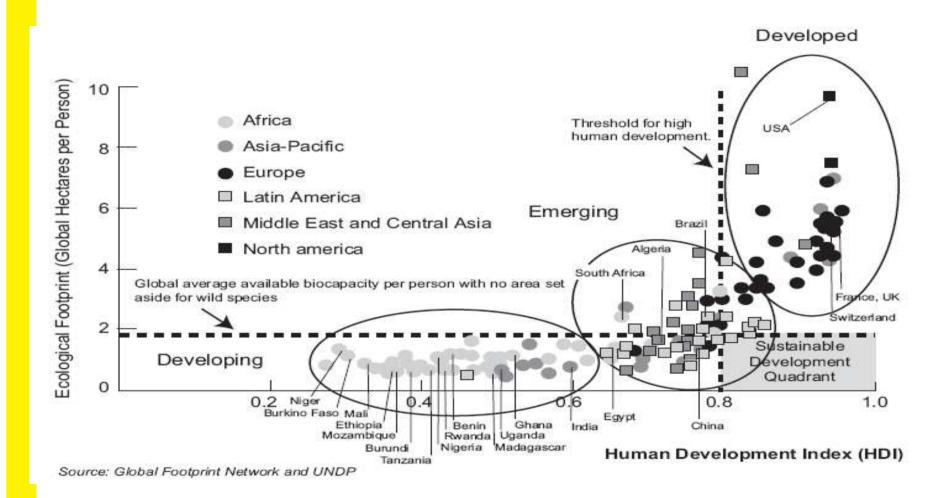
Vlaams Materialenprogramma TOGETHER WE MAKE TOMORROW MORE BEAUTIFUL



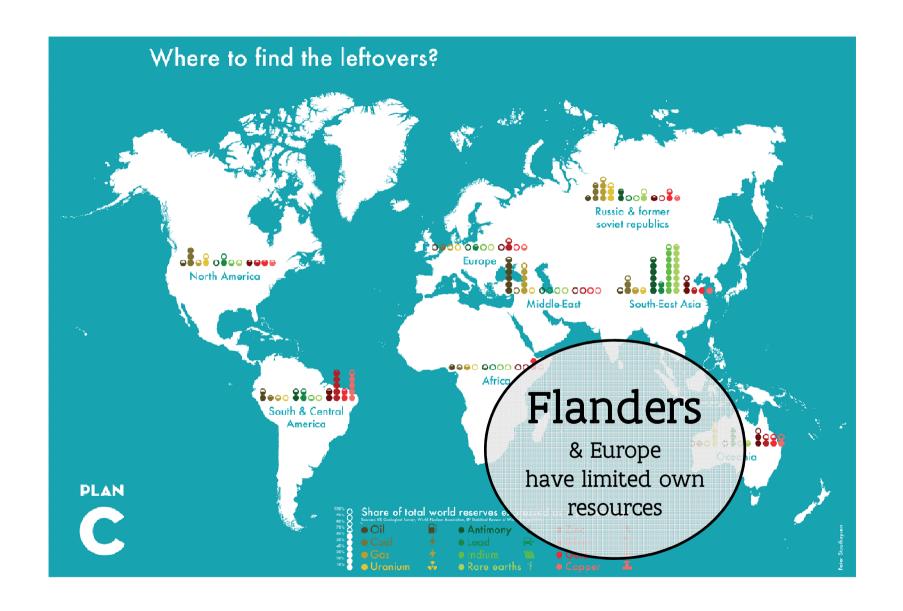
Why focus on Circular Economy?



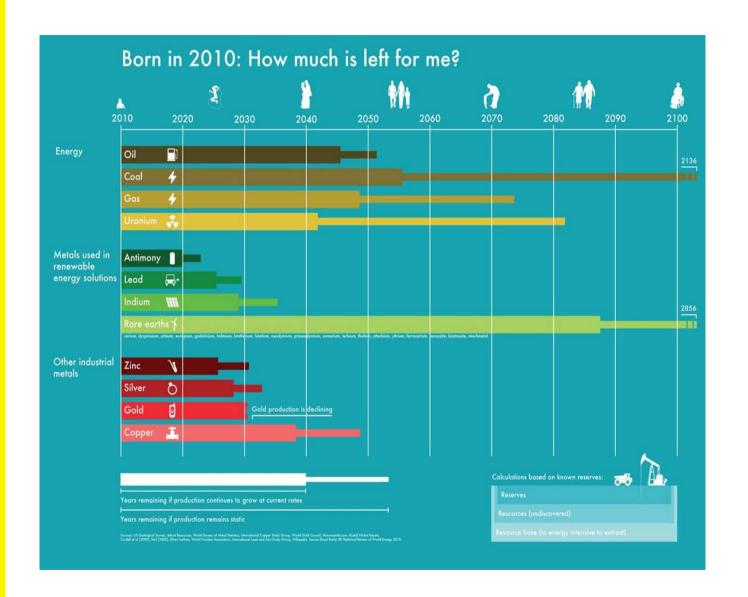
Development & ecological footprint









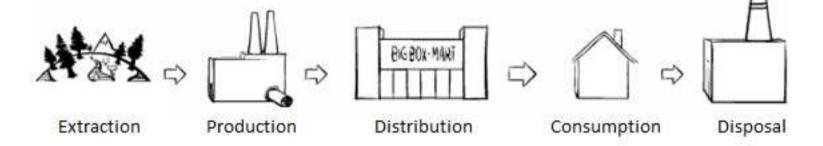


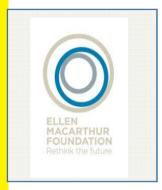


scarcity

material cost

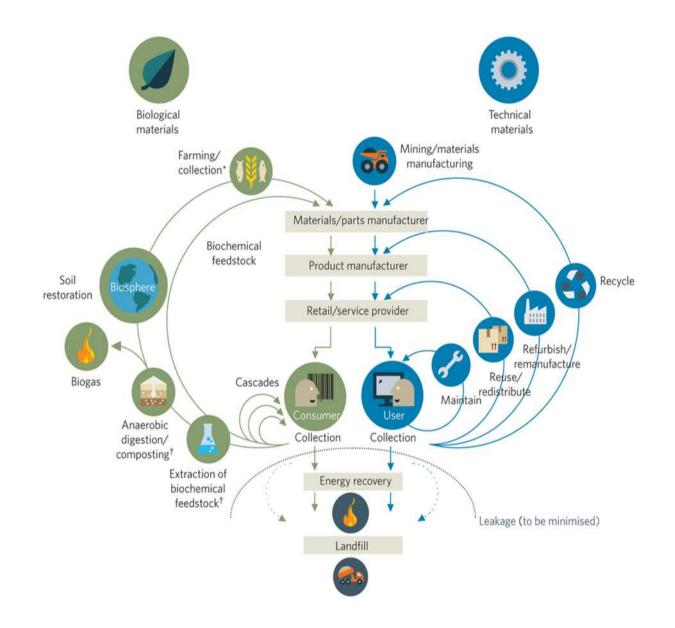
From to





Flanders' Materials Programme

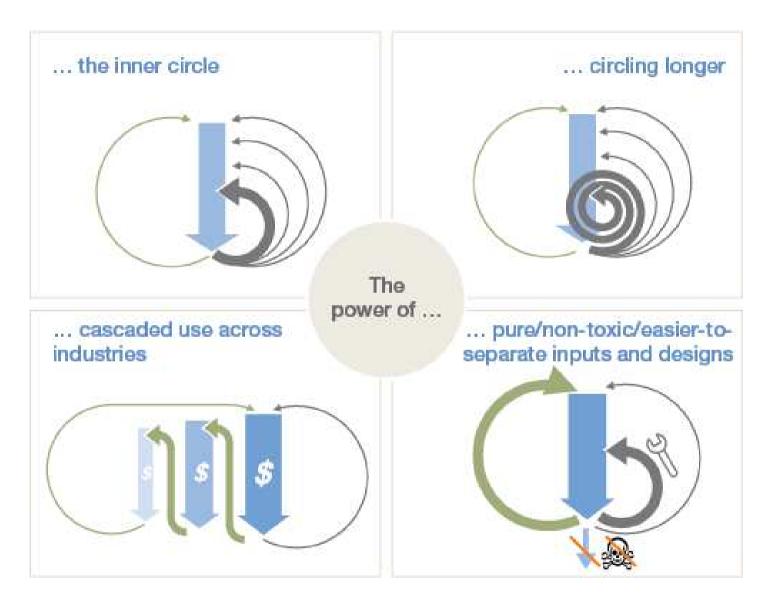
> Ciruclar Region





Flanders' Materials Programme

> Circular Region





Jobs today?

The waste management and recycling sector employs 12.000 people in Flanders. This is 0,5% of Flemish employment.

Every direct job creates 1,3 indirect jobs elsewhere in the economy.

The waste management and recycling sector has grown by more than 5% per year in recent decades.

Given the growth of the international market, this sector can continue to grow strongly in Flanders if policy continues to stimulate innovation.



Jobs in Circular Economy



SuMMa has analysed the studies of the Ellen MacArthur Foundation (2012) and TNO (2013) with the Flemish Input-Output model.

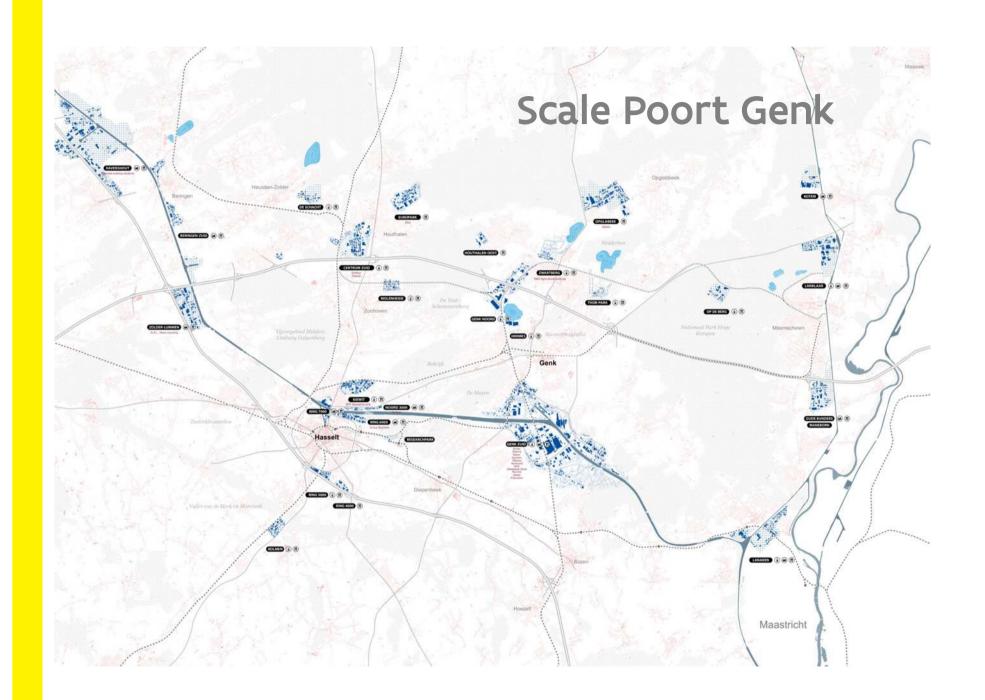
New jobs in the CE in reuse of products and parts (smartphones, washing machines, cars, ...), product-service combinations, sharing economy, ...

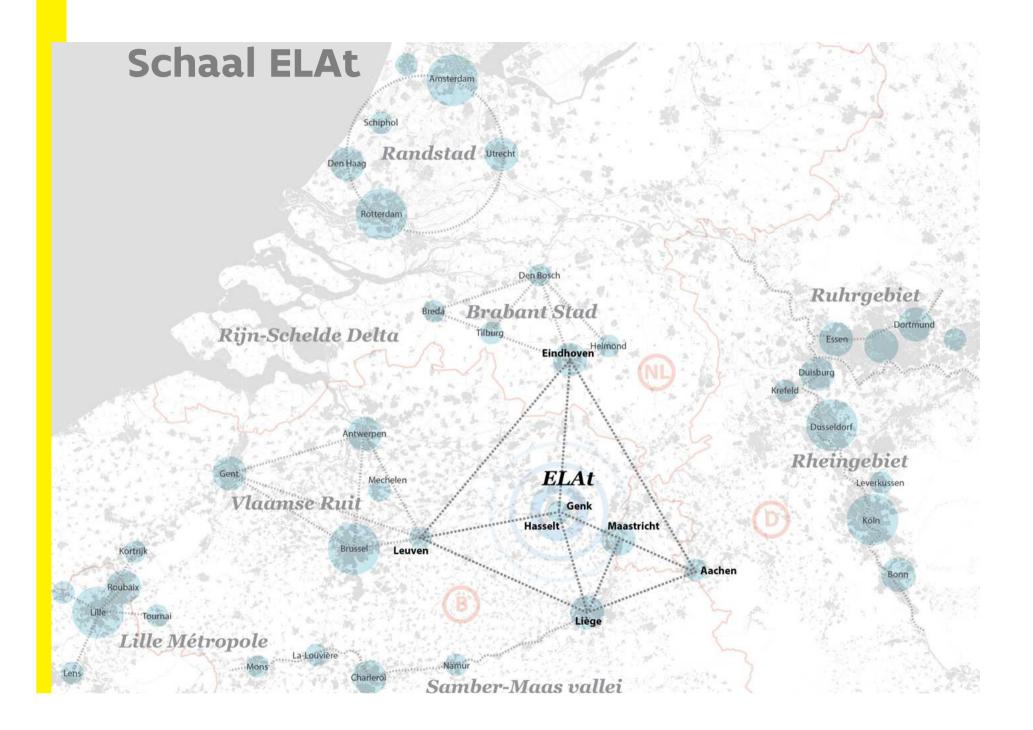
In a transition scenario Flanders could save 3,4 billion euros on material costs by supporting the circular economy = 2 % of the Flemish BBP (gross domestic product)

Based on the results of the study of TNO SuMMA came to the conclusion that the circular economy could generate 2,3 billion euro added value for Flanders with a creation of 27.000 new jobs (= 1 % of the total employment in Flanders).

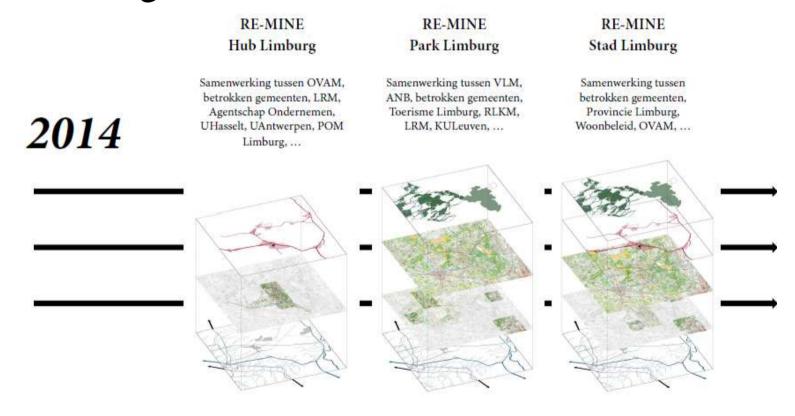
Why focus on different spatial scales in the region of Genk?







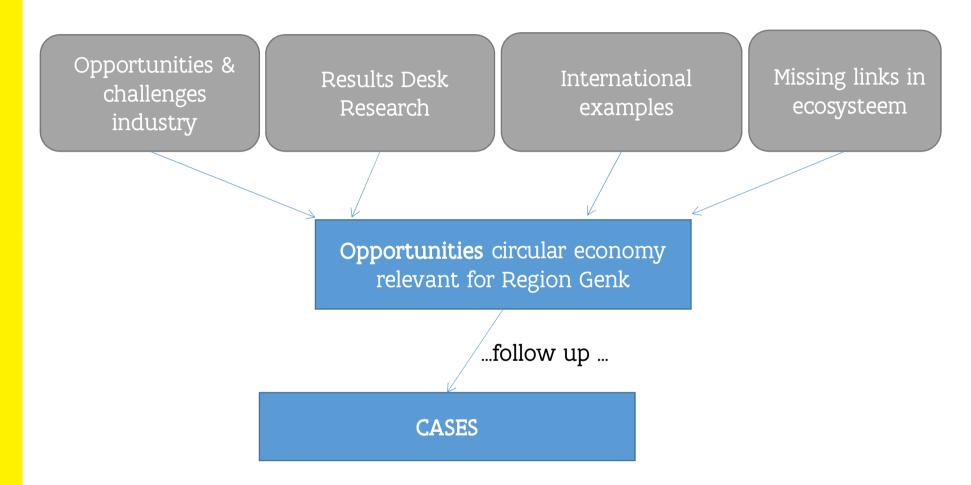
Territoriaal ontwikkelingsprogramma Limburg

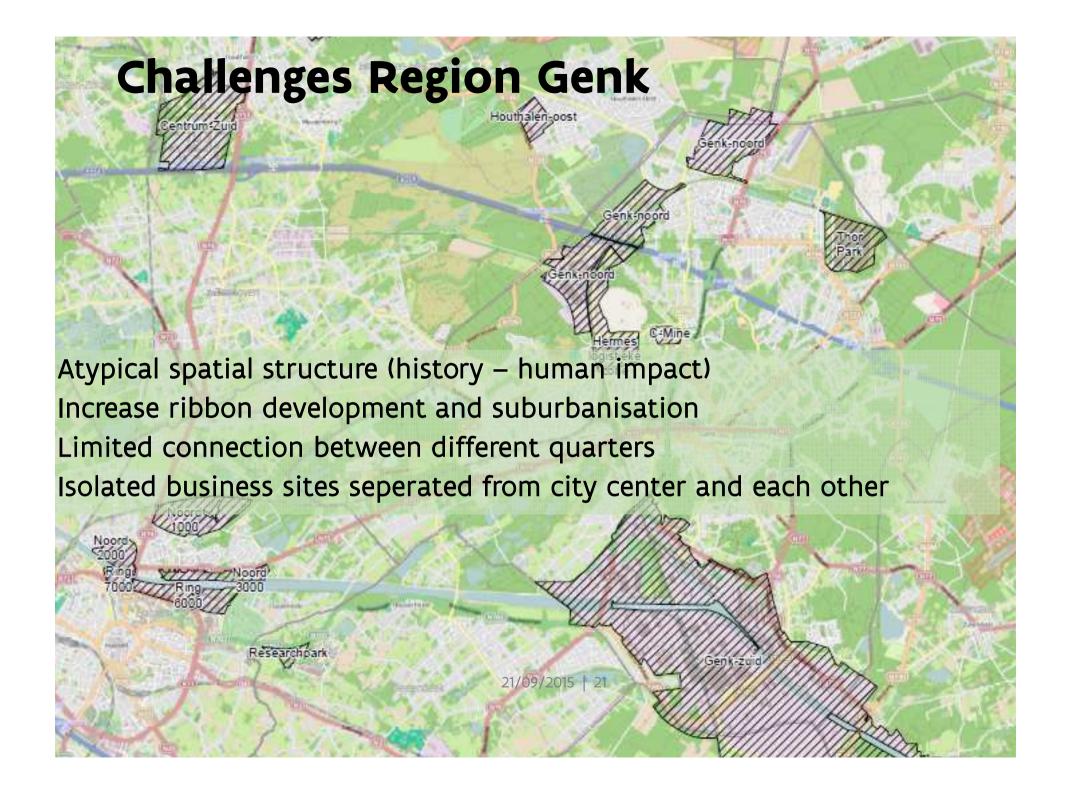


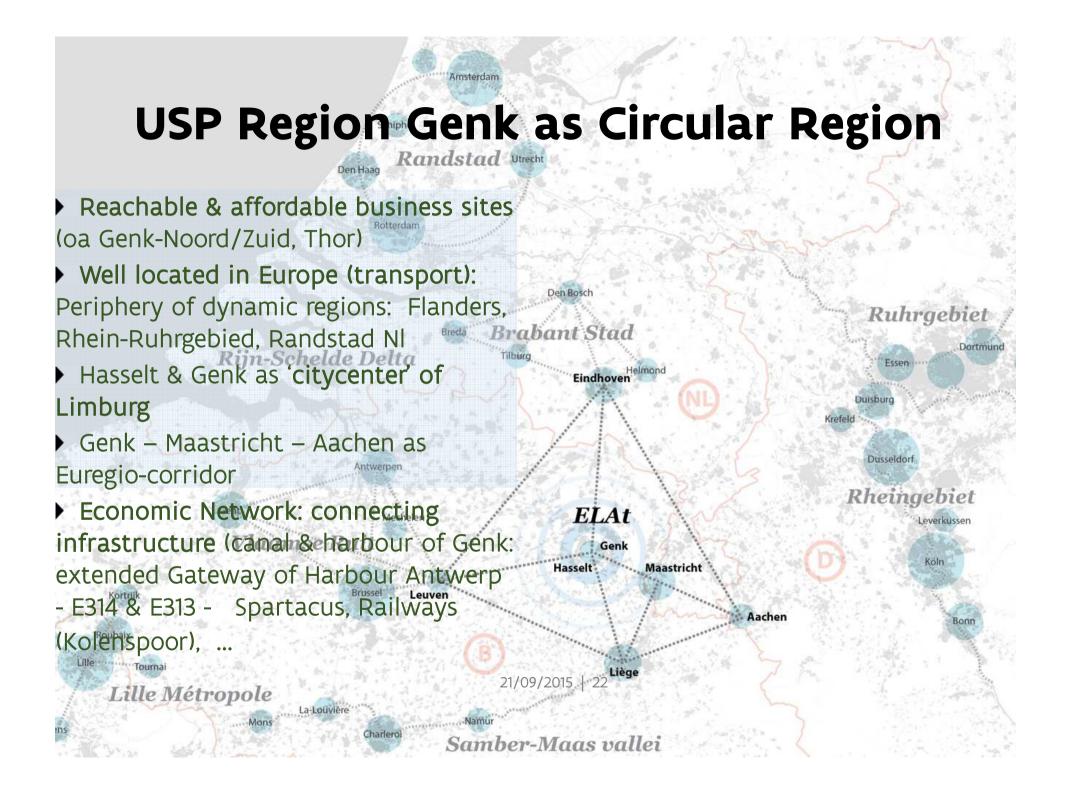
bron: Ruimte Vlaanderen "Een platform voor samenwerking, gedeelde visie & gedeelde actie"



Regional cases







Key expertise to build on

- Manufacturing Industry (mostly metal)
- Logistics
- ▶ Building Sector
- Cleantech & recycling
- ▶ Life sciences C
- Creative industry

















Potential Circular Economy

- Natural Resources: water (Albertkanaal), sand (Kempisch Plateau), wood (Kempisch Plateau)
- Secundary Resources: building and demolition waste, glass, paper,
 wood and ferro/non-ferro
- > Symbiose between companies (eg. 3 cases) in early stage
- Incubator: Greenville (cleantech), C-Mine (start-ups, design), Thor (knowledge&technology, eg. Energyville), Corda Campus (technology & high tech servicecompanies), ...
- Large availability of (technically skilled) laborers
- Knowledge institutes/universities
- Urban Mining

Vision Circular Economy in Region Genk

Brainstorm with local business managers, local policy makers, circular economy experts,.. Elements for a <u>VISION on CE in Region Genk</u>

- ▶ Factories of the Future circulair entrepreneurship
- Experiments in policy, innovation and production
- Cluster of expertise
- Flexibel use of space
- Local energy providing
- Producing ecosystem
- ▶ We <u>DO</u> it together
- Hybride network
- Logistic connection

Strategic Project Flanders' Materials Program

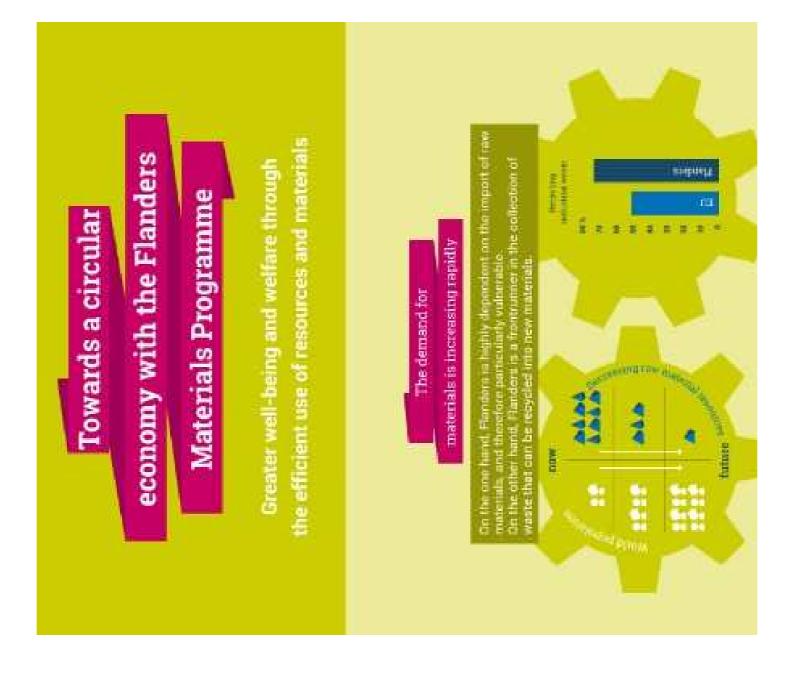
Policy

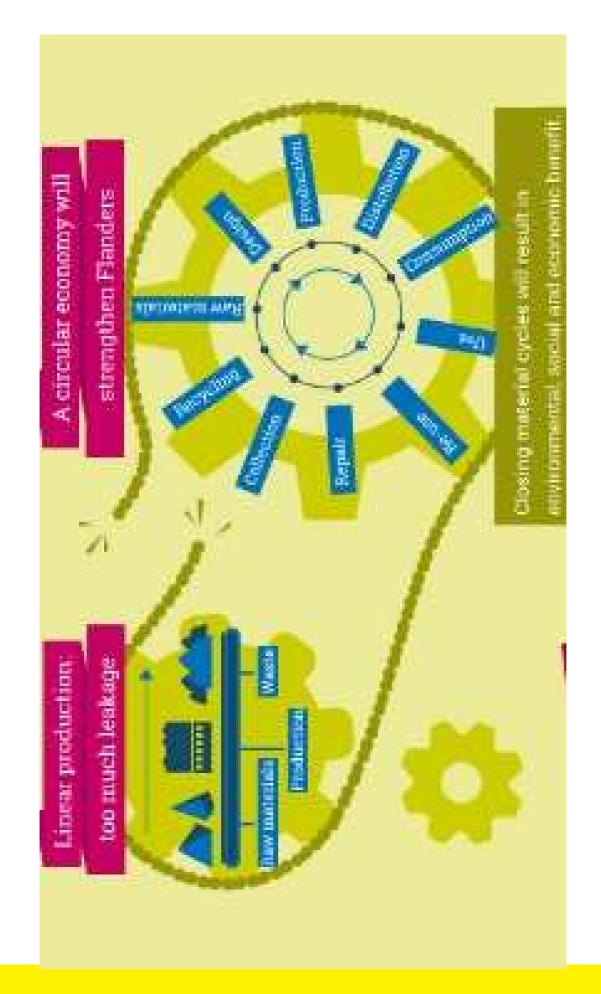
Entrepreneurial discovery

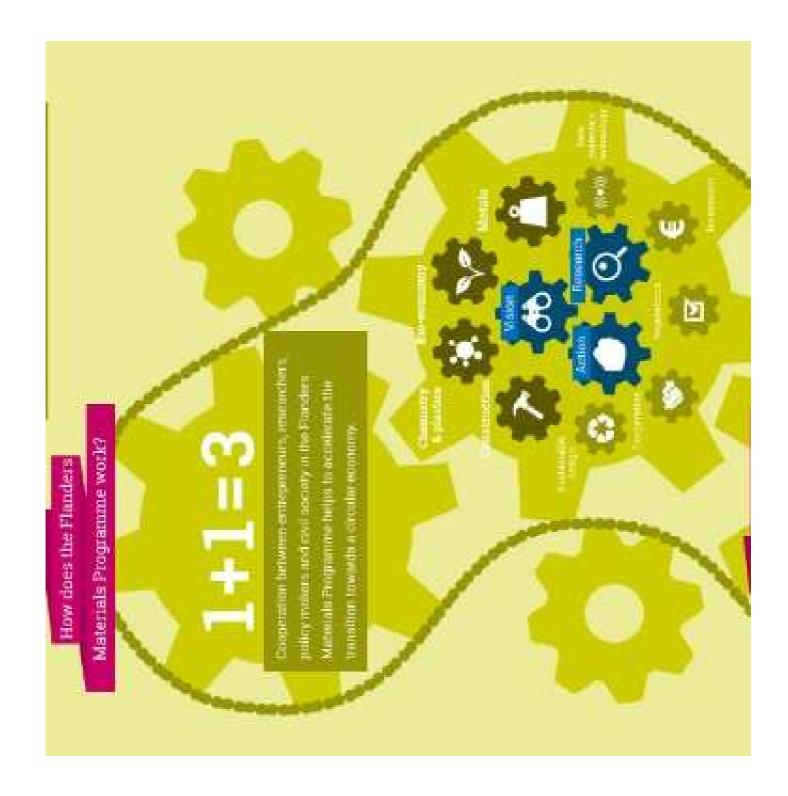
Research

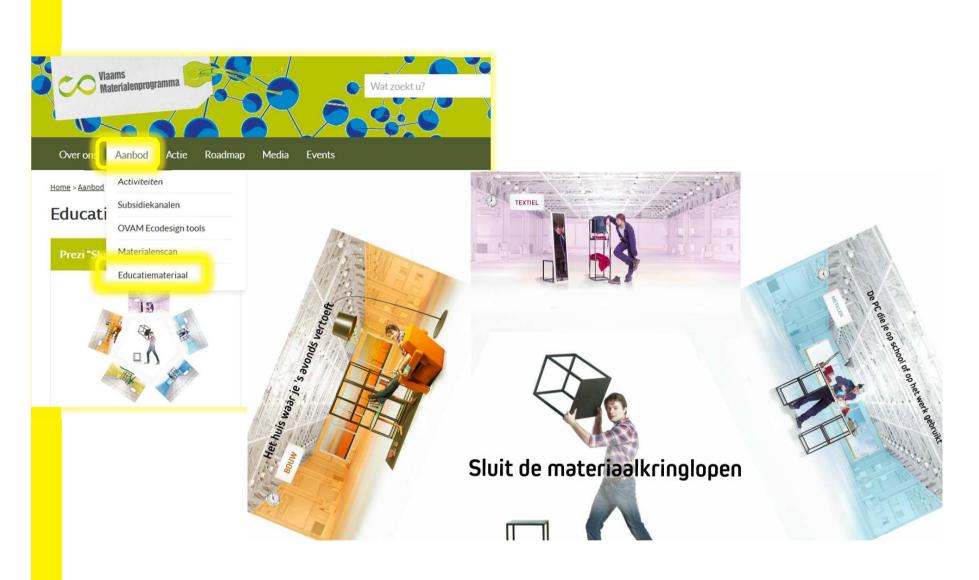
Joining forces through the Flanders' Materials Programme











https://prezi.com/kyithheus8q1/ovam/





Blog:

BLIJF OP DE HOOGTE:



Onfiveng onze nleuwsbrief

NIEUW BBERICHTEN

"grote veranderingen doe je stap voor stap"

LED-licht leasen;

de échte meerwaarde 3D-printen: laten we aantonen verlengen? Kijk naar processen en procedures! Levensduur

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In de kijker:

PLAN C IN BEELD



Business Model

Publicatie: Lessen Made

Circulair Aankopen

911





THE BUSINESS MODEL INNOVATION GRID

TO CAPTURE THE FULL POTENTIAL OF THE RESOURCE REVOLUTION 8 STRATEGIES & 100 CASES



8 STRATEGIES & 100 CASES

TO CAPTURE THE FULL POTENTIAL OF THE RESOURCE REVOLUTION

ORGANISATIONAL		Social entre- preneurship	LEARN MORE
	0	Co-creation	LEARN MORE
SOCIAL	M	Slow	LEARN MORE
	+	Stewardship	LEARN MORE
	ľδ	Functionality, Stewardship not ownership	LEARN MORE
TECHNOLOGICAL	1 ()	Substitution with renewables	LEARN MORE
	Ø	Circularity	LEARN MORE
	grinner-	Optimization	LEARN MORE

EXAMPLES

Not for profit	Localisation	Alternative ownership: cooperative, mutual, (farmers)
Collaborative approaches (sourcing, production, lobbying)	Incubators and entrepreneur support models	Licensing
Consumer education (models); communication and awareness	Responsible product distribution or promotion	Slow fashion
Radical transparency about eco or societal impacts	Resource stewardship	Choice editing by retailers
Product- oriented PSS - maintenance, extended warrantee	Use oriented PSS - rental, lease, shared	Result oriented - pay per use
Move from non-renewable to renewable sources	Cradle-to-cradle Green chemistry	Blue economy
Circular economy, closed loop	Cradle-to-cradle	Industrial
increased functionality	Lean	Additive



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