

# **TOPICS**

- 1. About us
- 2. Circular Economy?
- 3. Cases in Flanders
- 4. About logistics



# PLAN C & FLANDERS' MATERIALS PROGRAMME

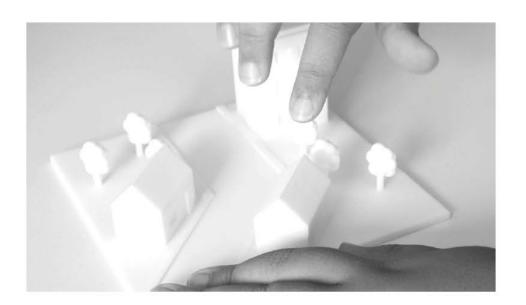
Plan C: 'communicating' and 'testing by doing' Circular Economy in Flanders

Other pillars in the Programme (colleagues):

- policy research
- enabling strategic projects with industries



# **ENABLE AND CHALLENGE**



THE ADDITIVE DESIGN CHALLENGE



**CIRCULAR HOTEL ROOM** 



**CIRCULAR FASHION** 





# CONNECT



**CIRCULAR PROCUREMENT** 



**ECONOMIC POLICY** 



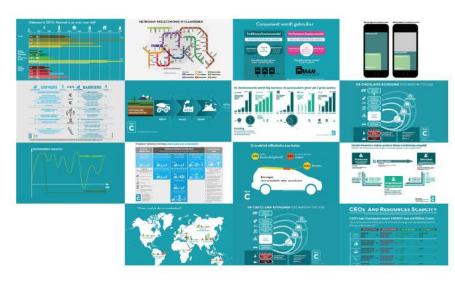
**INFORMATION OFFICE** 





# **SHARING EXPERTISE**





#### SPREADING THE WORD

#### COMMUNICATING THE CIRCLE







#### TRANSITIES EN HET TIJDPERK VAN DE TUSSENTIJD







KOFFIE SMAAKT NAAR MEER naar als 'grondstof' te labelen. Koffiegruis leent zich kend toe. Dit goedle blikt veelpidig



AERONEXTLIFE: CIRCULAIR MANAGEMENT VOOR



MATERIALENPROGRAMMA

**ACHTER DE SCHERMEN VAN** 

#### TIRED OF YOUR TYRES? HOE CIRCULAIR IS DE BANDENSECTOR?

organisate klaar die zich full time bezignoute mer de intameling en verweinig van in Beigle afgedariste bande In 2014 par 10.438 son. Besytyre heet deer beheersorgenisate. Ze geeft uitsbering aan in de wecestijke nvaardingsplicht voor afgedankte banden in België. Maar Recytyre wil meer doen dan inza



#### LAUREATEN VAN DE ADDITIVE DESIGN CHALLENGE BEKEND

Abstriblight, Alice, Bookbox en Turbulent. De laureat tonen hoe 30 printing voorbij de hype relevant kan z







## STRATEGIC PROJECTS

Transforming Flanders into a recycling hub for Europe through our seaport



New jobs in the circular economy



Innovative building concepts for energy- and material-conscious construction



Strengthening the metal recycling industry in Flanders



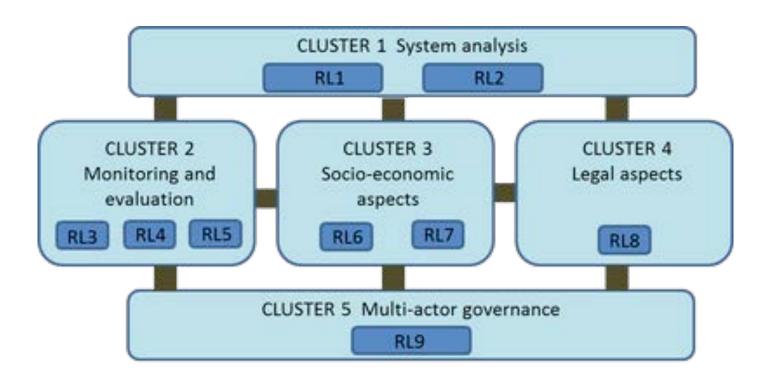
Potential for a circular economy at several spatial scales (case region Genk)



Business model innovation



### **POLICY RESEARCH**



#### FLANDERS' MATERIALS PROGRAMME

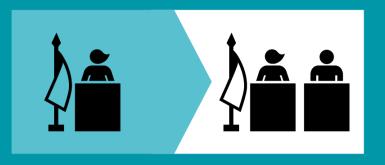
## A NEW PHASE (2017-...)



FROM THREE PILLARS TO ONE TEAM



FROM FOCUS ON MATERIALS TO MULTIPLE TOPICS



FROM A SINGLE MINISTER TO

SHARED ACCOUNTABILITY

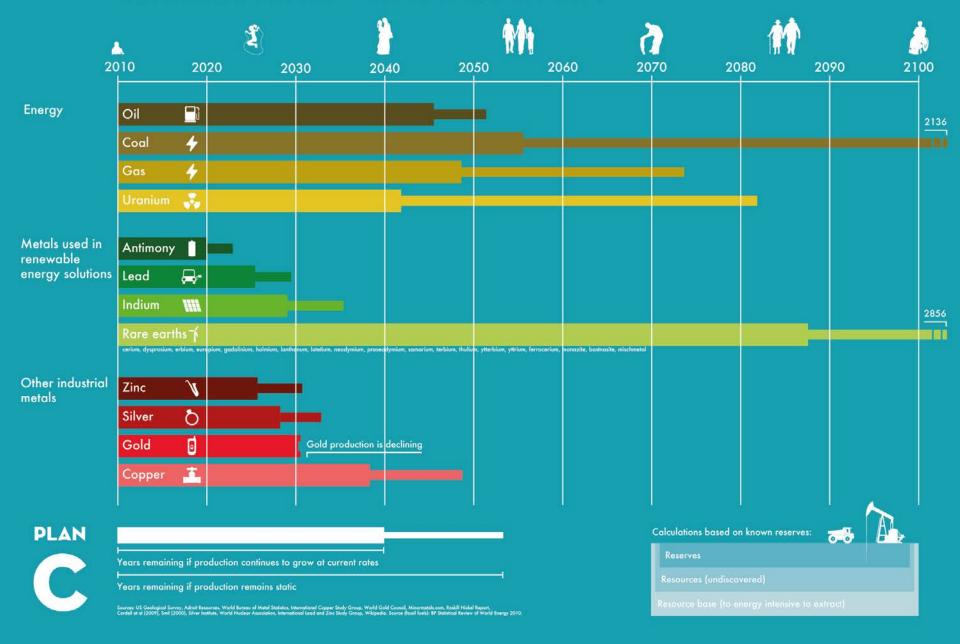


FROM SECTOR-SPECIFIC TO CROSS-CUTTING

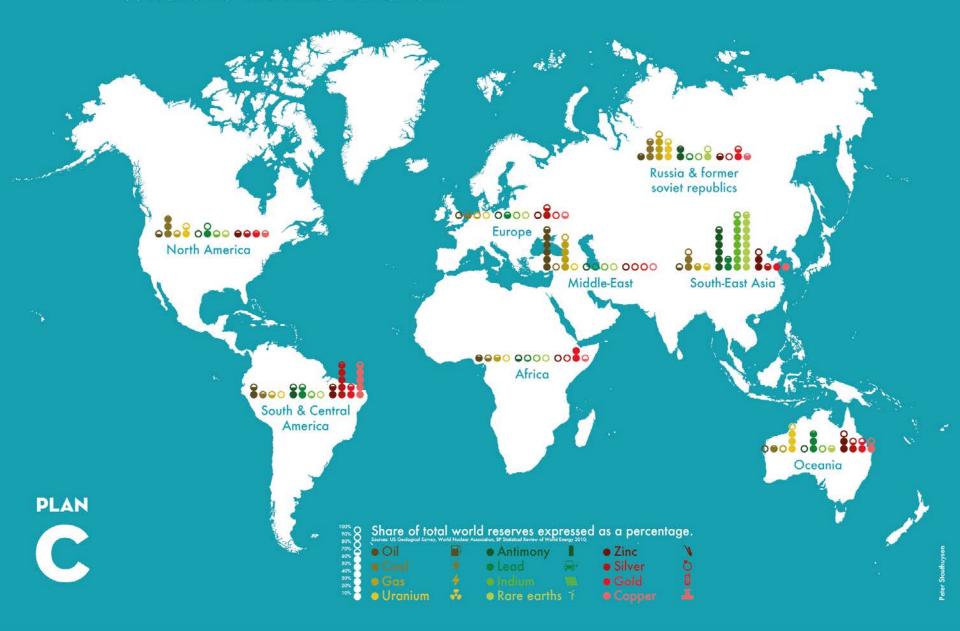
# CIRCULAR ECONOMY 1 OF THE 7 TRANSITION PRIORITIES FOR FLANDERS BY 2050



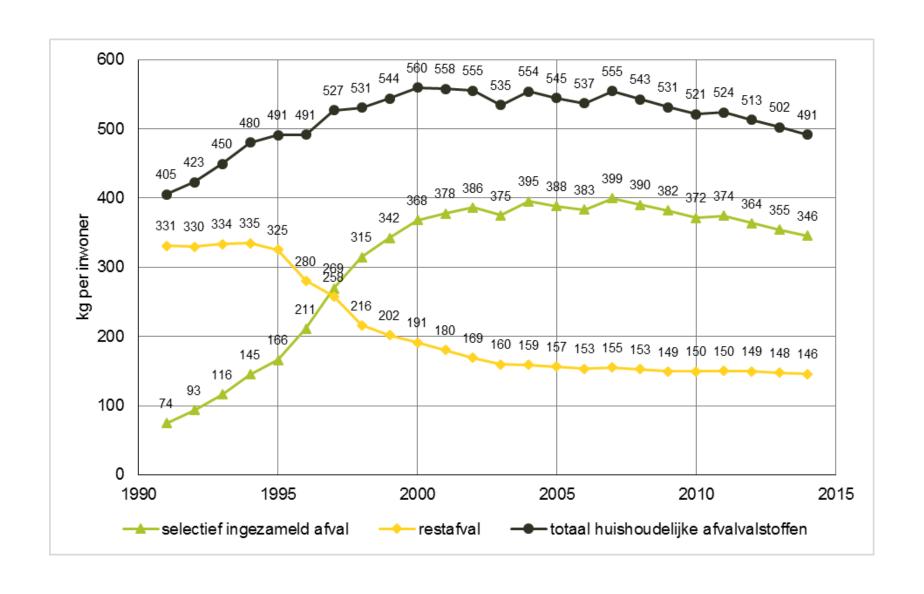
#### Born in 2010: How much is left for me?

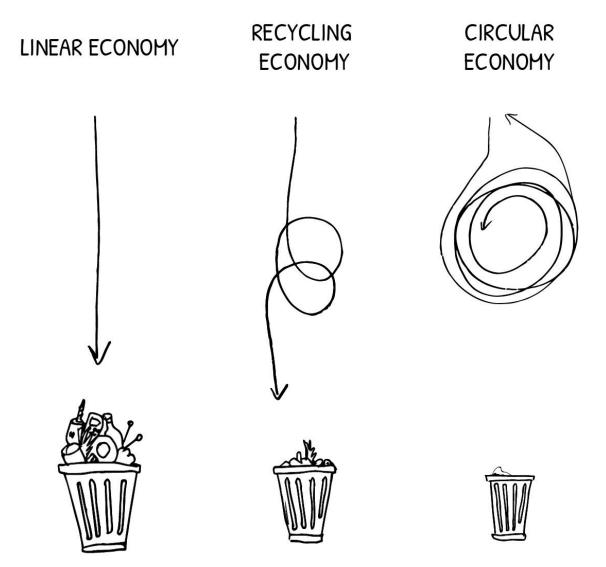


#### Where to find the leftovers?



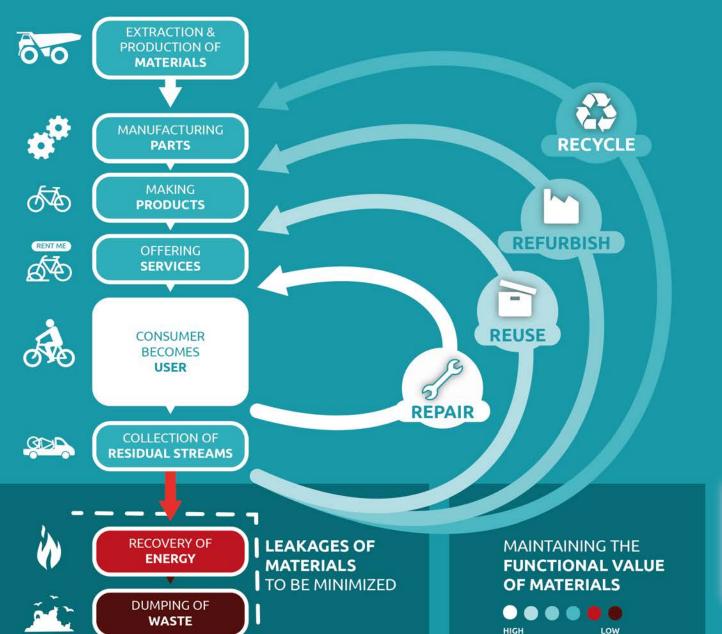
# LIMITS TO OPTIMIZATION





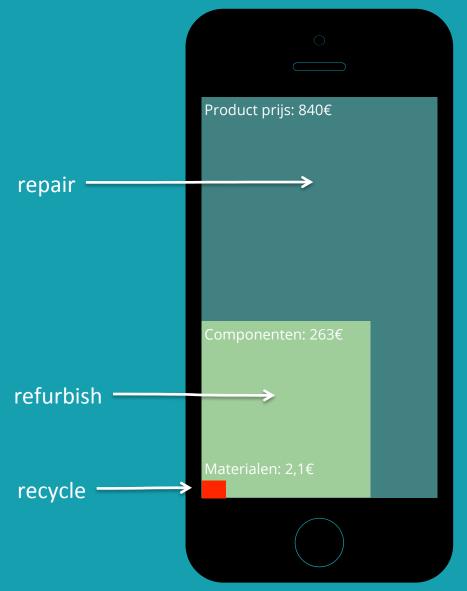


# THE CIRCULAR ECONOMY (TECHNICAL CYCLE)

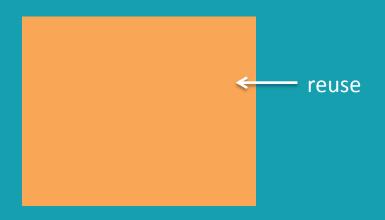




inspired by Ellen MacArthur Foundation High-end segment smartphone: nieuw



# CAPTURING VALUE



# A SUSTAINABLE APPROACH WITH A BUSINESS CASE: CAPTURING VALUE











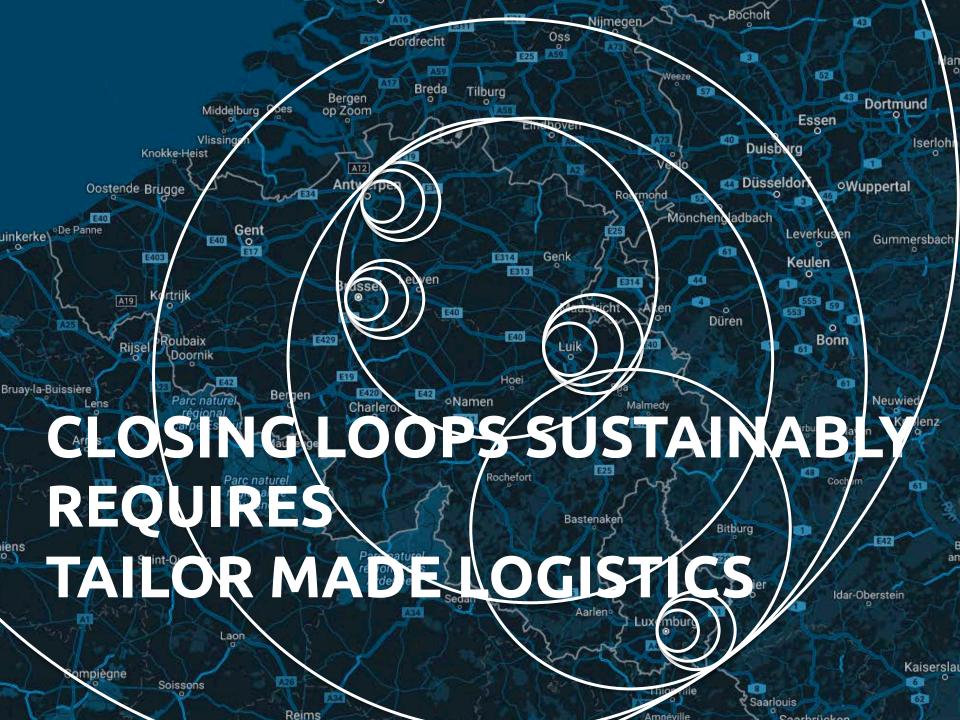












# IT'S ABOUT MORE THAN TRANSPORTING WASTE

- Reverse logistics
- Service & repair on site
- Fine-grained materials logistics
- Decentralised production/customization
- Reusable packaging
- -











OPTIMAL PLANNING: TELEMETRIC CONTAINERS















### CONCLUSION

#### **CIRCULAR ECONOMY IS ABOUT**

- MORE THAN WASTE & RECYCLING
- CAPTURING VALUE
- COOPERATION (BENELUX HOTSPOT?)
- TAILOR-MADE SOLUTIONS & LOGISTICS

# SHORT COMMERCIAL: EU CIRCULAR ECONOMY CONFERENCE BELGIUM | FALL 2017

