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# Towards a CE monitor for Flanders

Luc Alaerts

Circular Economy Stakeholder Conference  
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DEPARTEMENT  
ECONOMIE  
WETENSCHAP &  
INNOVATIE



SAMEN MAKEN WE  
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# Policy Research Centre CE



Circular economy is one of the seven transition priorities of the **Vision 2050** program of the Flemish government

2.5 M€ funding to increase knowledge base

- academic consortium (2017 – 2021) with expertise in engineering, economics, system thinking, resource efficiency
- involves 3 PhD's, 3 post-docs, 10 professors
- outputs:
  - a [circular economy monitor](#) for Flanders
  - policy **advice** & reports
  - elaborated **case studies**
  - conferences and topical workshops
  - academic publications

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[ce-centre.be](http://ce-centre.be)

# Analysis state-of-the-art



There seem to be two separate domains:

- 1) Monitoring frameworks: collections of macro indicators
- 2) Circularity indicators at the micro level

It is not possible to ***obtain sufficiently direct feedback*** about the impact of policy interventions by either macro or micro indicators alone

# Bridging macro and micro



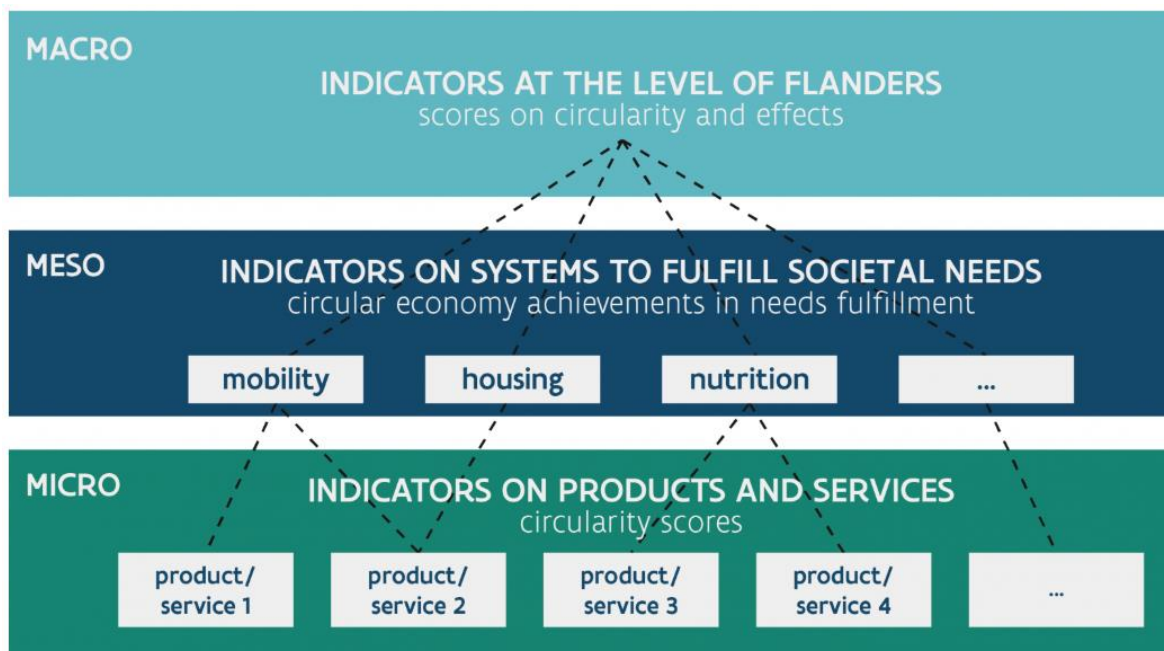
allows to

- see already in an early stage evolutions towards circular economy
- assess the impact of policy measures
- pick up the effects of innovation
- incorporate the actions of different actors
  
- *obtain a more direct policy feedback*

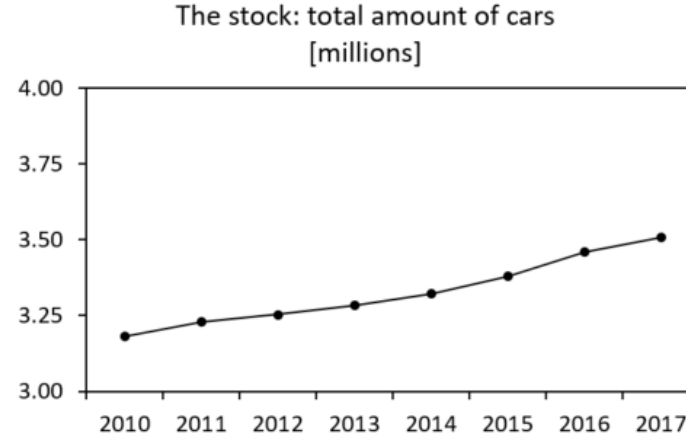
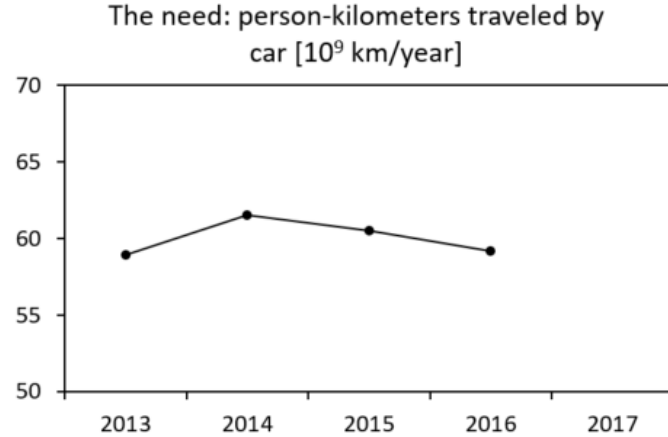
# Bridging macro and micro



via the perspective of systems to fulfill societal needs



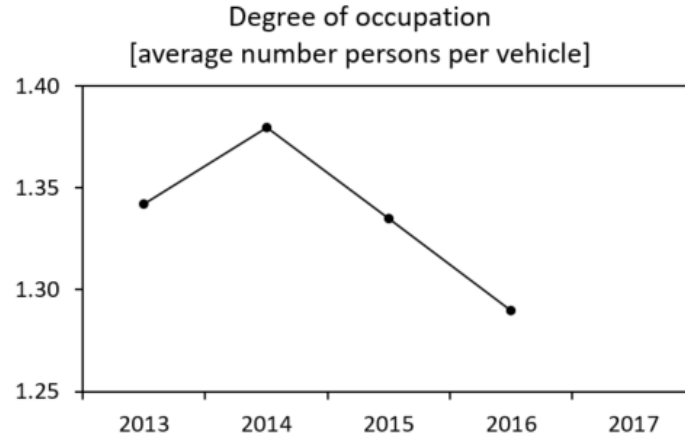
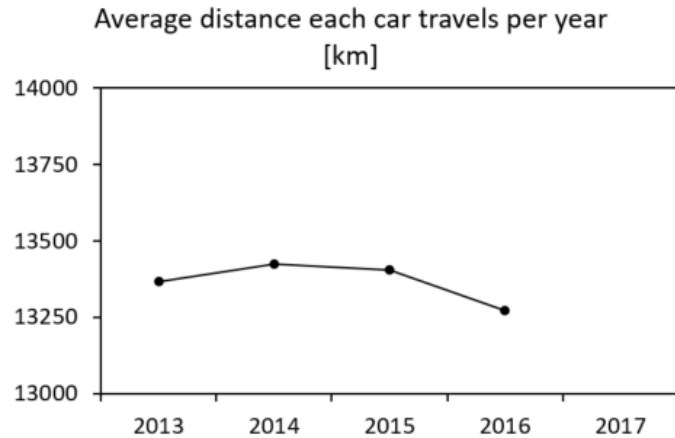
# Example: the mobility system



Mobility need fulfillment stagnates in Flanders...

... but amounts of cars (and materials) keeps increasing

# Example: the mobility system



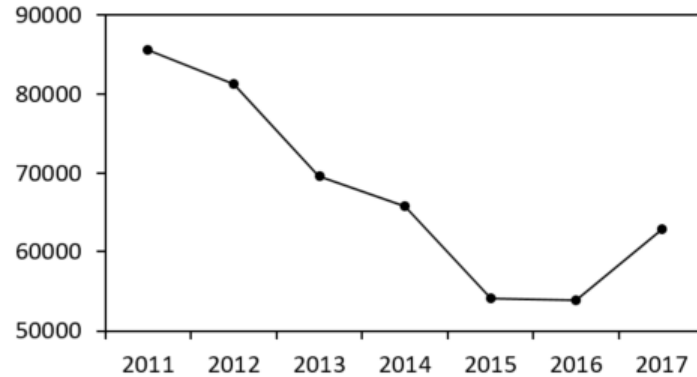
Use intensity of cars is not increasing...

... neither is use efficiency

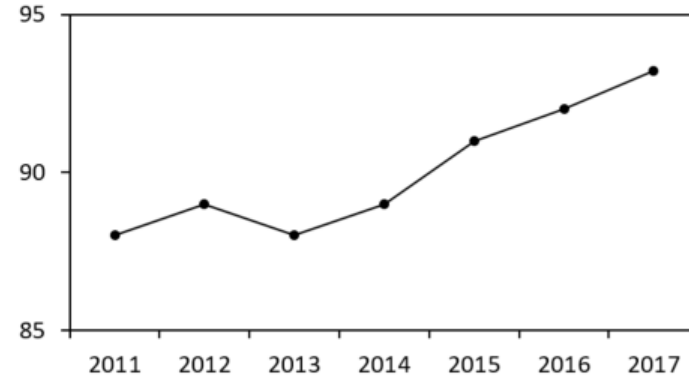
# Example: the mobility system



EoL cars collected at official recycling sites  
[amount]



Reused and recycled mass from EoL vehicles  
[%]



Control over EoL stage is decreasing...

... but efficiency increases in applied recycling technologies





# STEUNPUNT CIRCULAIRE ECONOMIE



dr. ir. Luc Alaerts  
[luc.alaerts@kuleuven.be](mailto:luc.alaerts@kuleuven.be)



Prof. dr. ir. Karel Van Acker  
[karel.vanacker@kuleuven.be](mailto:karel.vanacker@kuleuven.be)



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