

Conceptualisation of Sustainable Circular Business Models



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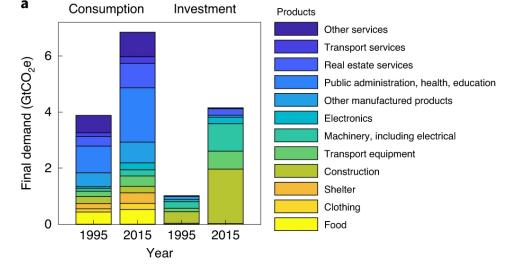


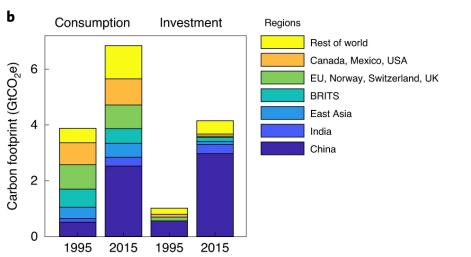






Why care about CBM?





Year

Geosci. **14**, 151–155 (2021). https://doi.org/10.1038/s41 561-021-00690-8

Hertwich, E.G. Increased

materials production driven

by rise in investments. Nat.

carbon footprint of





Because it's the easiest way to solve some important problems.



How should we conceptualise CBM?







CREATE CAPTURE DELIVER





We should conceptualise it around value.

Especially creation of customer value.



How should we conceptualise Circular BM?

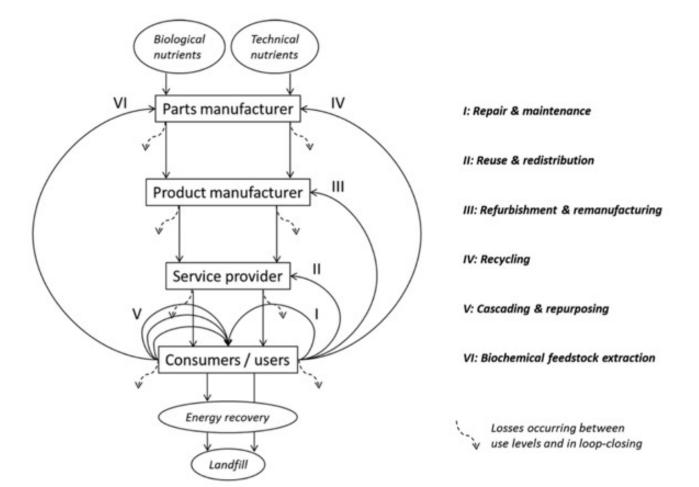
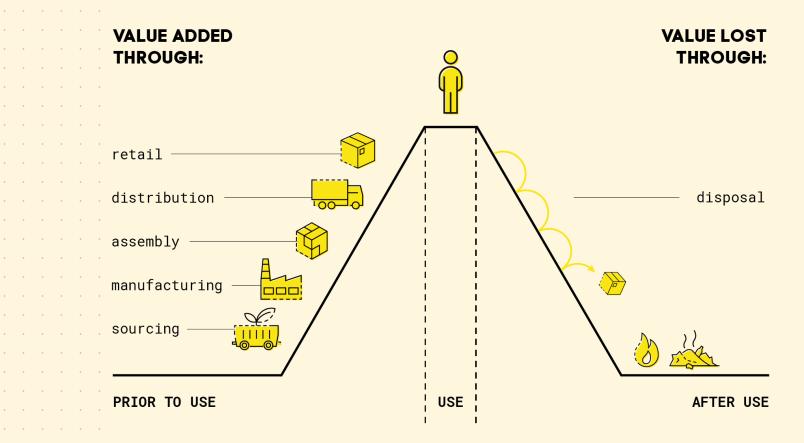
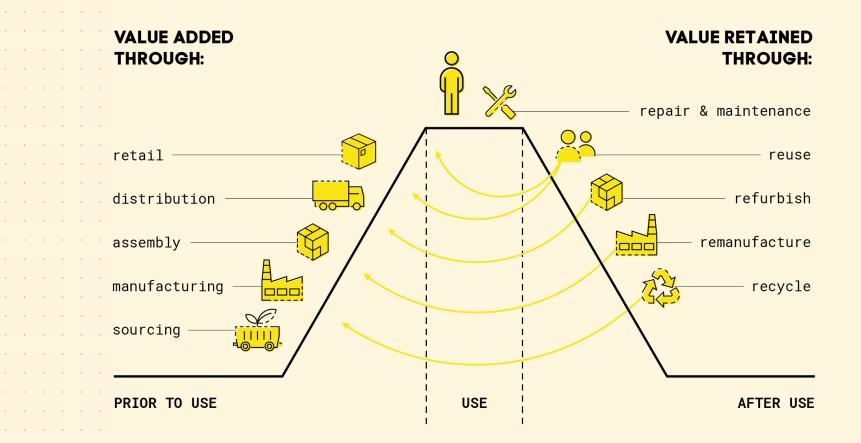


Figure 2 Major reverse cycles for the circular economy (adapted from EMF 2012).



Picture by Anneli Selvefors 2022, Adapted from Achterberg, Hinfelaar, Bocken (2016)



"The second principle of the circular economy is to circulate products and materials at their highest value."

(EMF, https://ellenmacarthurfoundation.org/circulate-products-and-materials 2022-10-10)



"Business models that support a CE would retain either product or material value" Lüdeke-Freund, Stefan Gold, Nancy Bocken (2018, p 55)



"We define a circular business model (CBM) as a business model in which the conceptual logic for value creation is based on utilizing economic value retained in products after use in the production of new offerings." (Linder & Williander, 2015, p2)



RI. SE

We should conceptualise it around economic value.

Value creation from, and capture of, value retained in products.

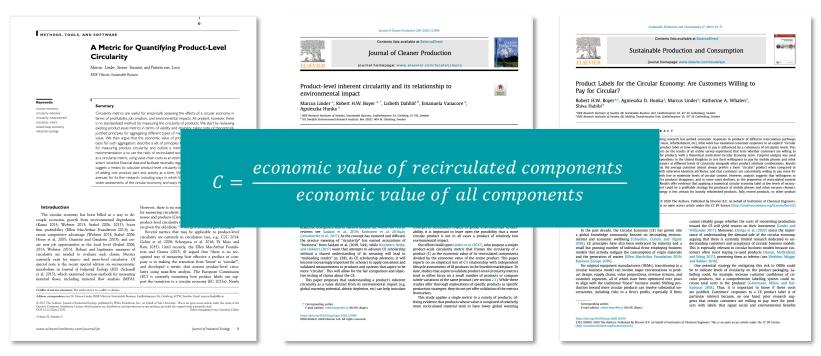


What are some implications?

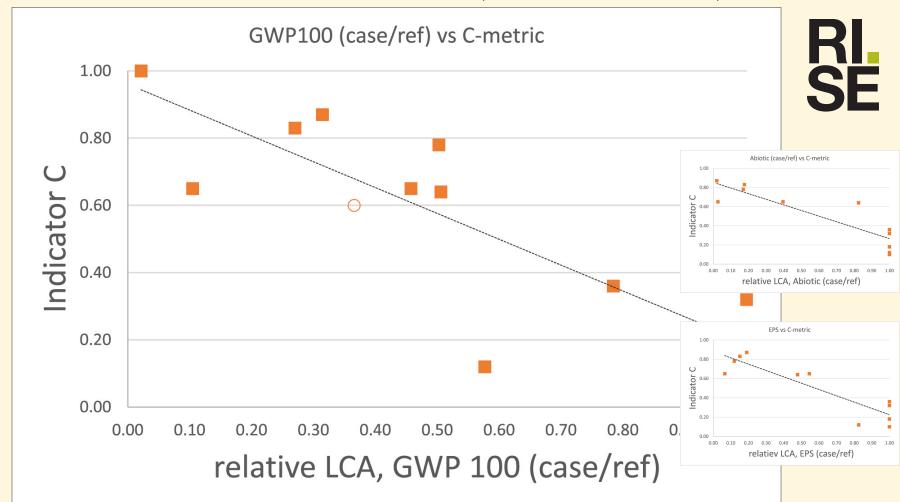


Implications for Measurement

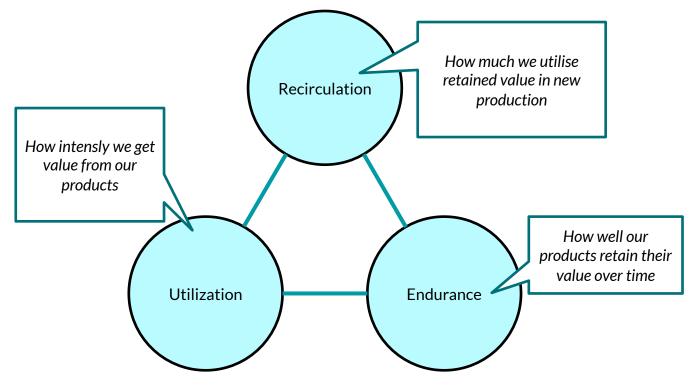
C-Metric (Value retention per cycle)







3 dimensions of creating value from that which is already produced





Why care about CBM?

• Because it's one of the easiest ways to solve some important problems.

How should we conceptualise CBM?

• We should conceptualise it around economic value. Value creation from, and capture of, value retained in products.

What are some implications?

- Implies use of economic data in circularity measurement.
- Steers towards consistency with waste hierarchy and R-models of sustainability
- Guides towards economic explanations e.g. design inertia



Other topics I would love to have a chat about during the day

Regulations:

 CSRD, ESRS, Taxonomy

Cooperatives for sharing things

- Especially housing.
- Utilisation focus.

Right to repair

Opinion: It's at odds with CBM!

Compensation practice

- Royalties at odds with CBM
- Sales kick-backs and KPIs at odds with CBM

Circular public procurement

 We've helped make a handful happen, it can a great catalyst!

Property rights

Elevators->Design->BM->Financing->Jordabalken





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