

# Cirkulär ekonomi

RISE

Marcus Linder

Tekn. Dr., chef Sustainable Business

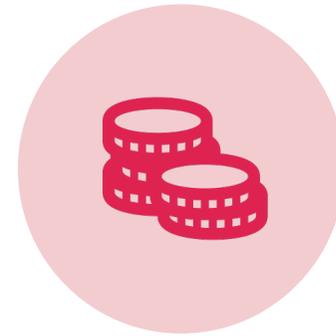
# Quiz: Var och när kommer cirkulär ekonomi ifrån?



SPACE SHIP  
EARTH



WASTE  
HIERARCHY

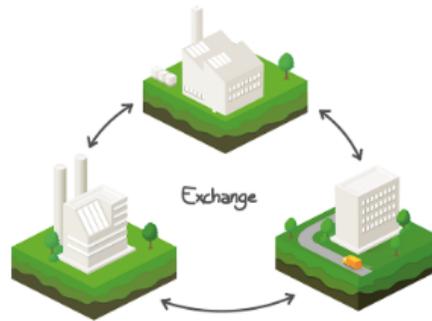


CIRCULAR  
ECONOMY

# Värdebevarande



**Biologiska cykler**



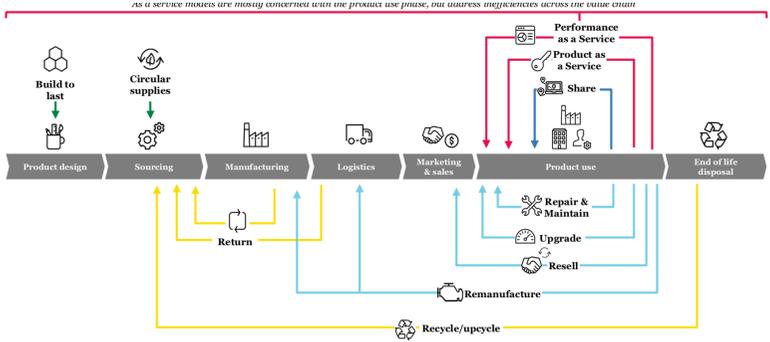
**Industriell symbios**



**Tekniska cykler  
(produkt)**



2p1



RI SE



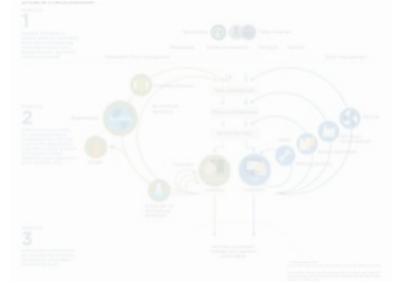
CIRCULAR ECONOMY unido.org



Circular Economy - Recycling Council of O... rco.on.ca



Circular economy in materials... cy.uk



Circular Economy System Diagram ellenn... foundation.org

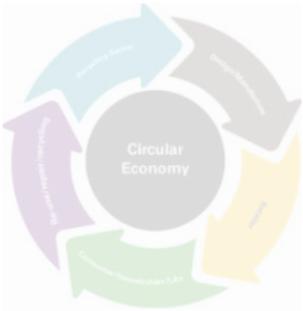


Rubicon Honored as 2017 Circular Economy Aw... rubiconglobal.com

114



Circular Economy Framework - ... circulareconomylab.com



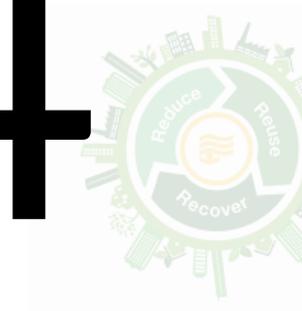
What does Brexit mean for the ... freshlawblog.com



Circular economy: another buzz... urbact.eu



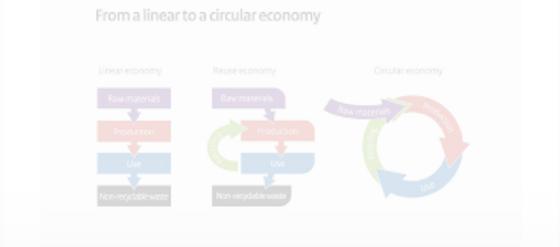
Steel - the Permanent Material... worldsteel.org



Circular Economy - Nijhuis Industries nijhuisindustries.com



Who is supporting the circular econo... therecyclier.com



An economy “... where the value of products, materials and resources is maintained in the economy for as long as possible, and the generation of waste minimized” (EC 2015a, 2)

“In a circular economy, resources are kept in use for as long as possible, extracting their maximum value” (special issue call from Journal of Industrial Ecology, 2015);

An economy “... in which the conceptual logic for value creation is based on utilizing economic value retained in products after use” (Linder and Williander 2015, 2)

# Värdebevarande

Varför?



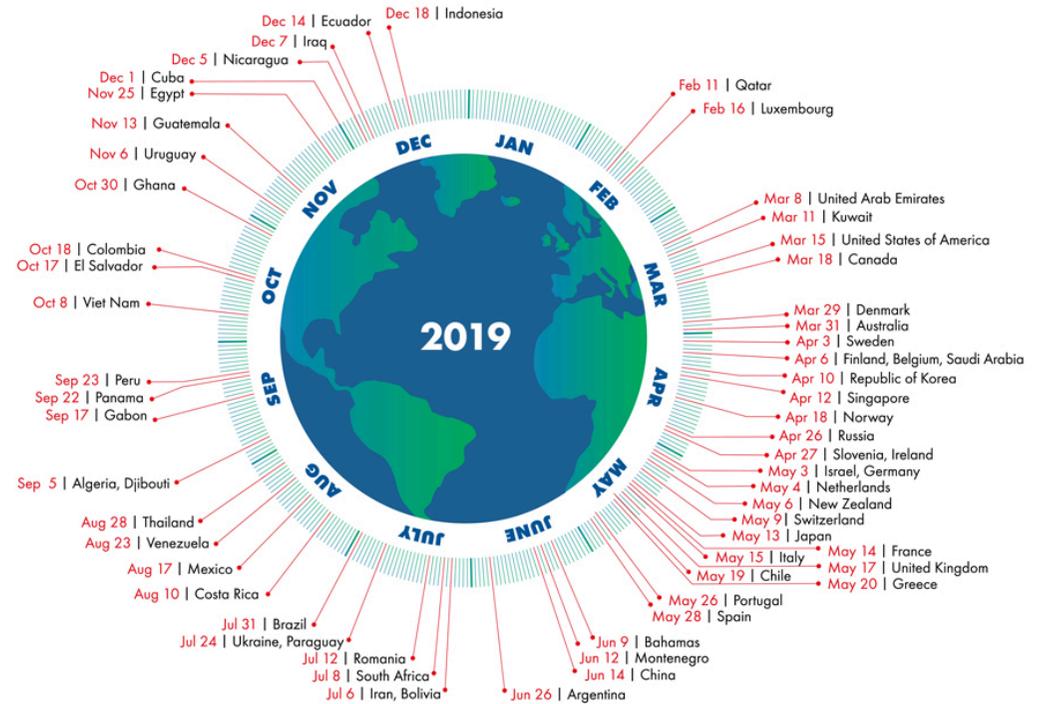
## How many Earths do we need if the world's population lived like...



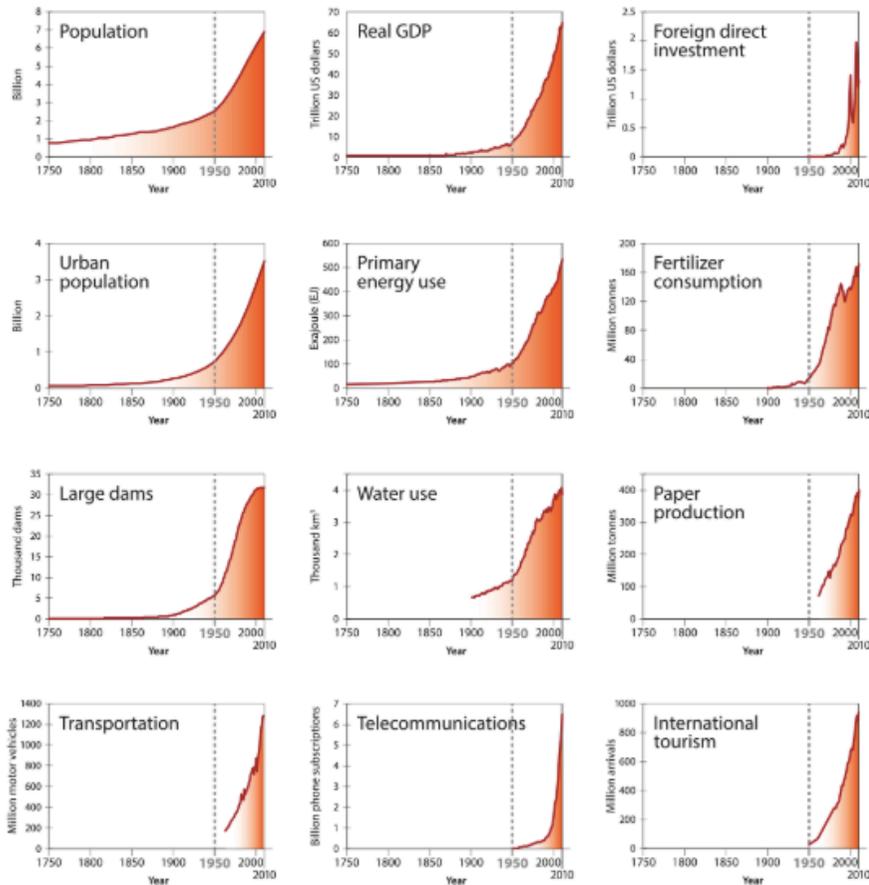
Source: Global Footprint Network National Footprint Accounts 2018

## Country Overshoot Days 2019

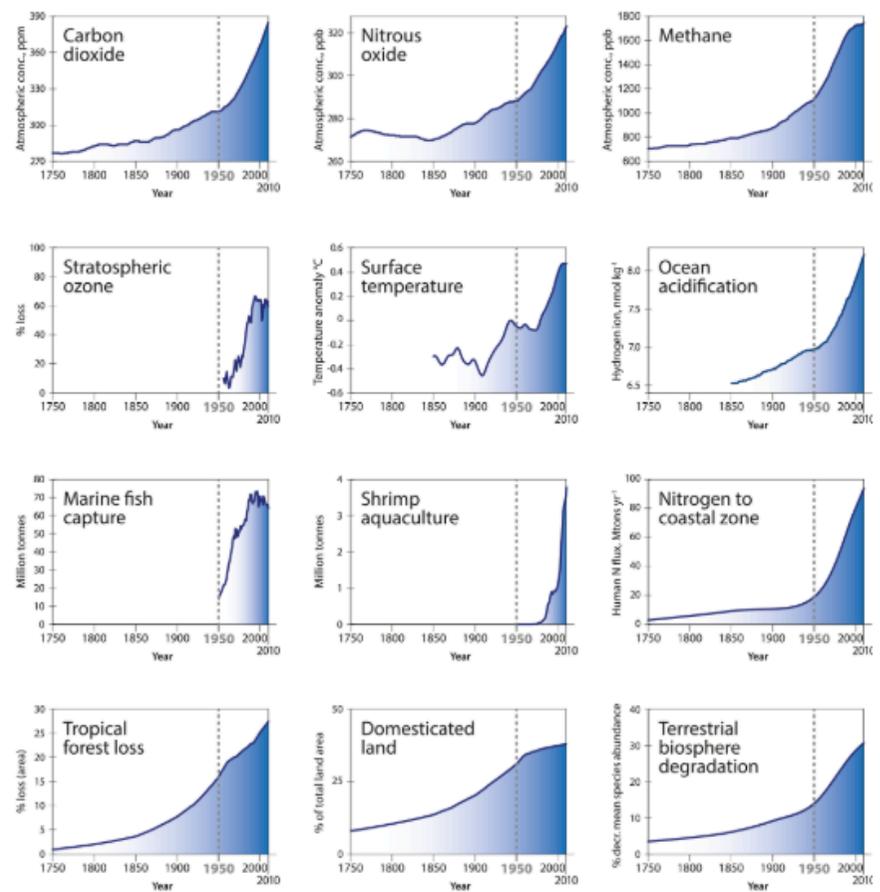
When would Earth Overshoot Day land if the world's population lived like...



## Socio-economic trends

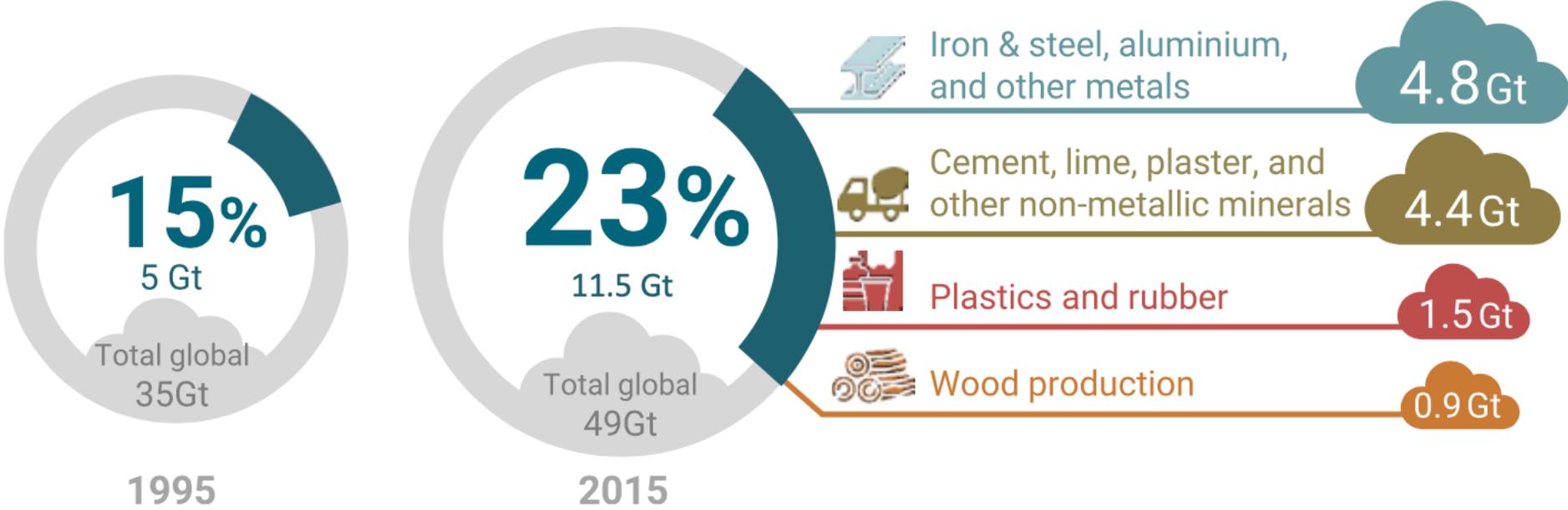


## Earth system trends



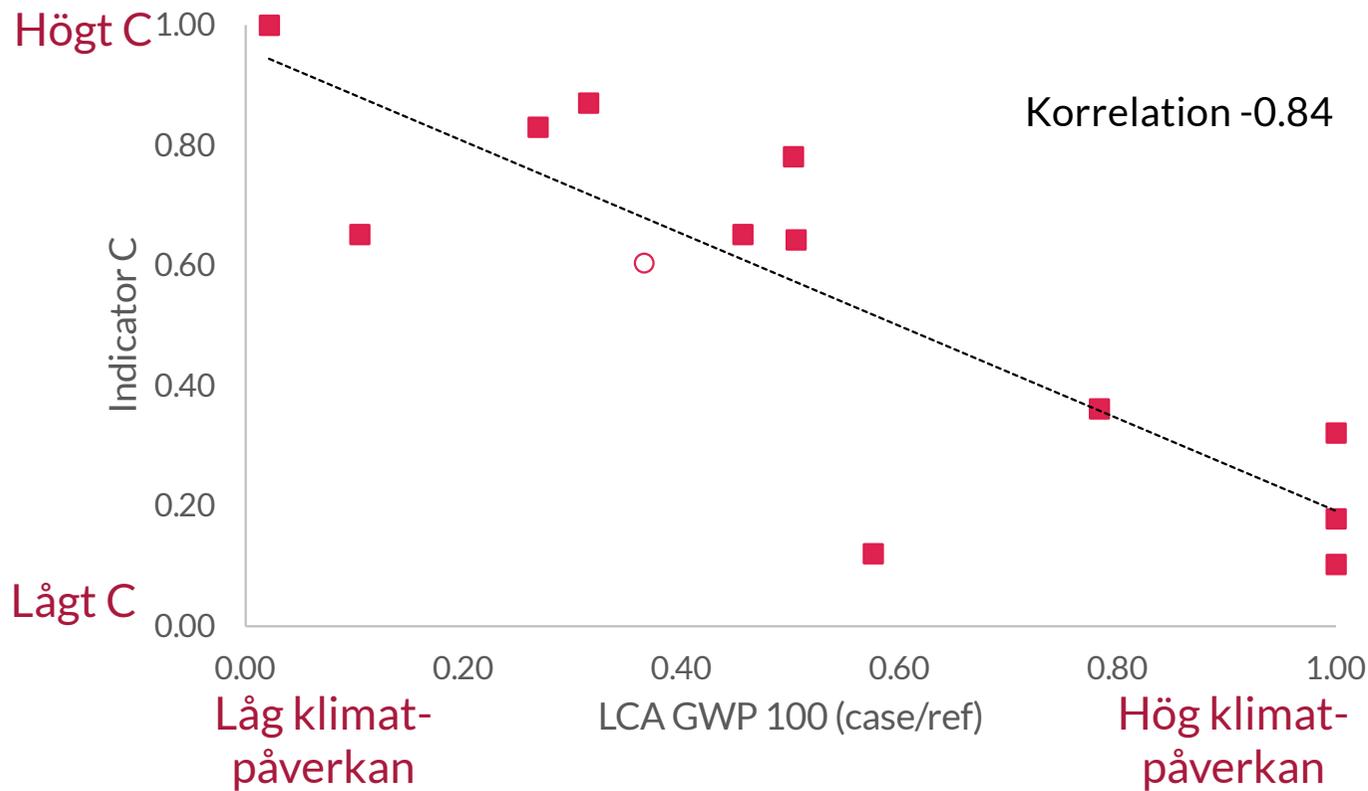
Src: Steffen, W., W. Broadgate, L. Deutsch, O. Gaffney, C. Ludwig. 2015. The Trajectory of the Anthropocene: the Great Acceleration. The Anthropocene Review.

**Figure 1.** Emissions caused by material production as a share of total global emissions 1995 vrs. 2015

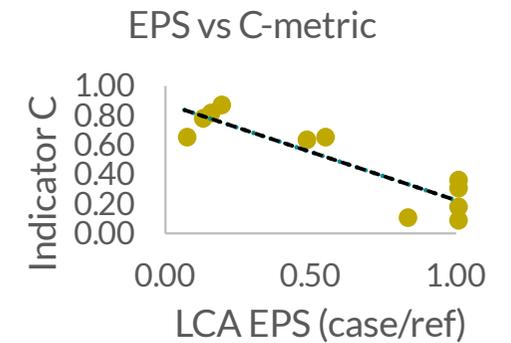


Src: <https://www.unenvironment.org/resources/report/resource-efficiency-and-climate-change-material-efficiency-strategies-low-carbon>

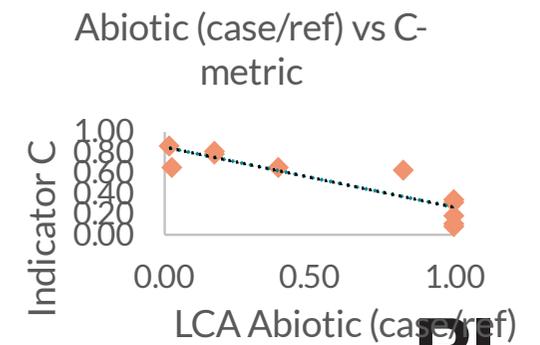
# Klimatförändringar & C



## Miljösaneringskostnad & C



## Abiotisk utarmning & C

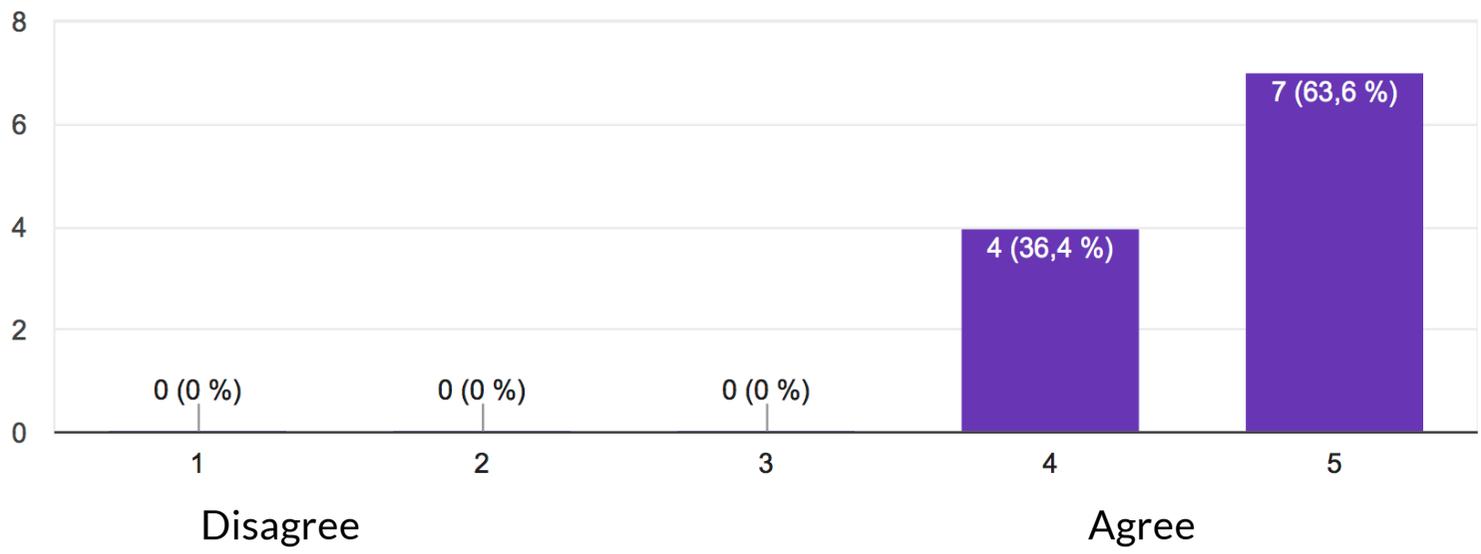


RE:

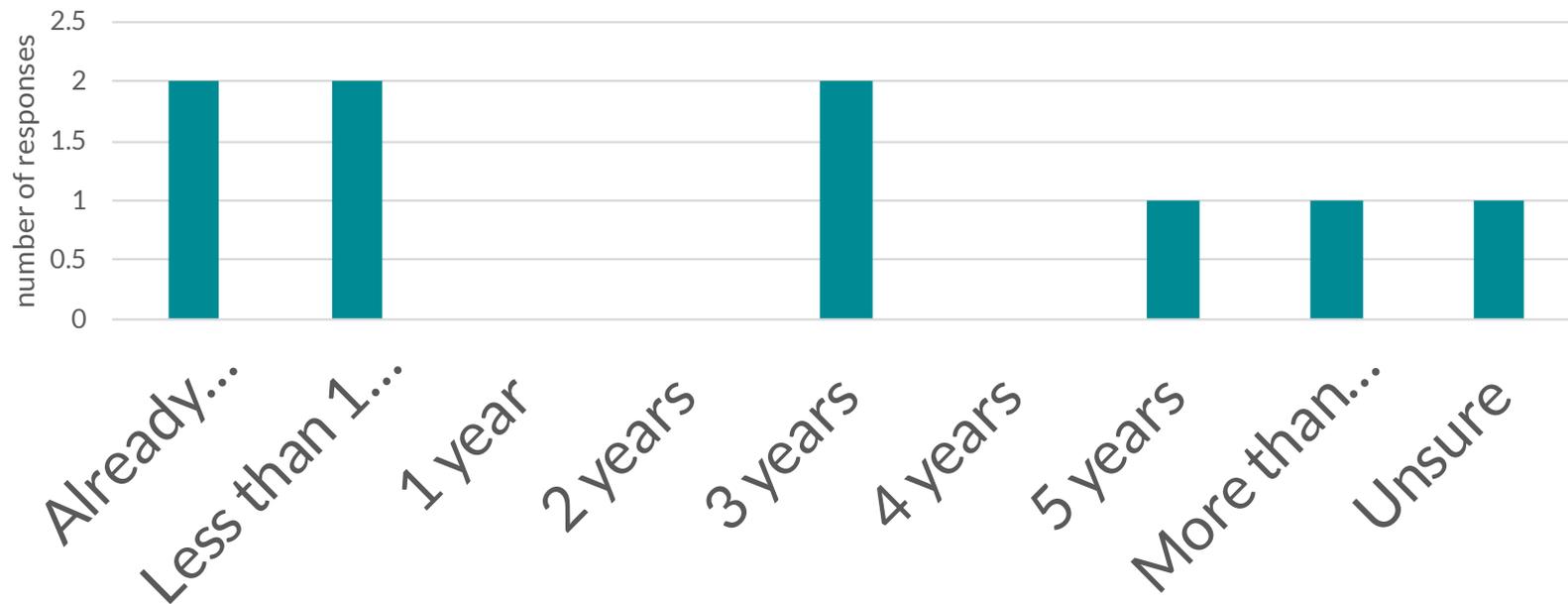
SOURCE

### 10. Circular economy is a way to increase our competitive advantage

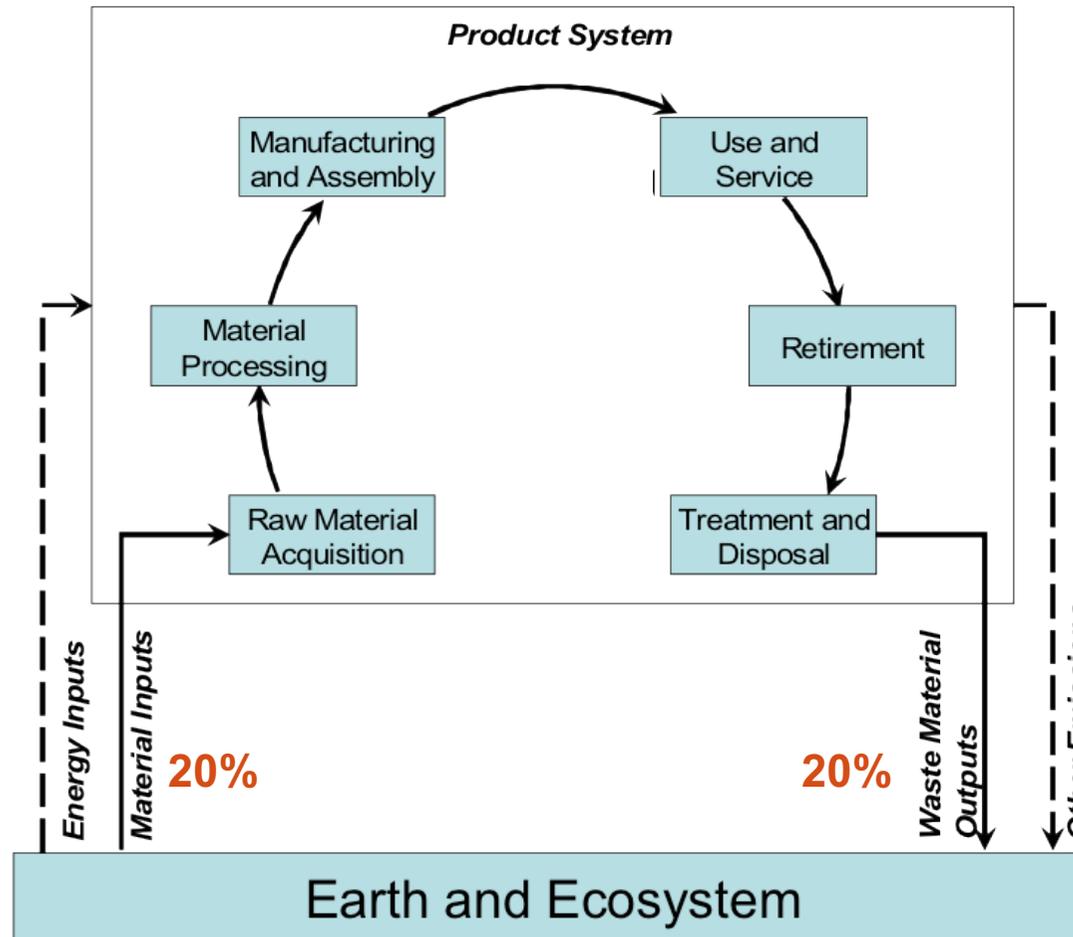
11 svar



# In how long time do you believe that adopting a circular business model will lead to earning higher profits?

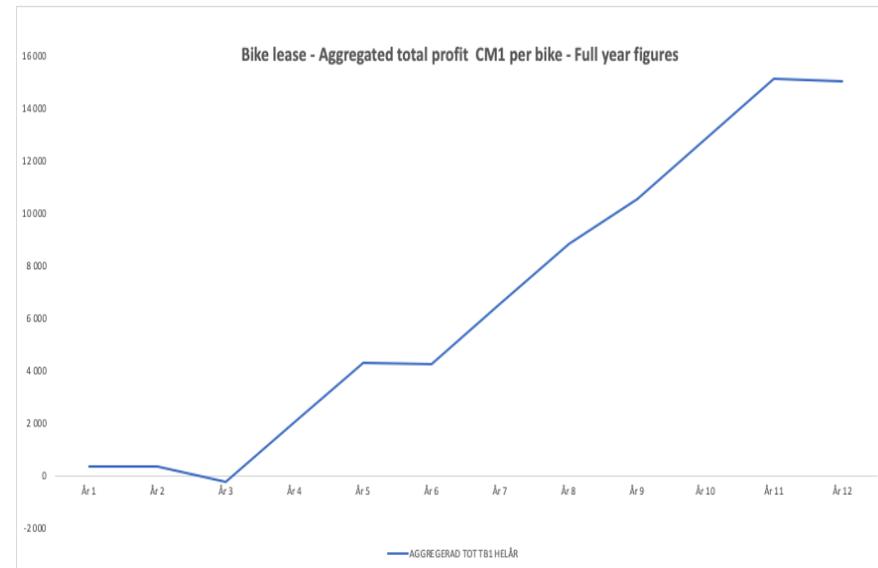
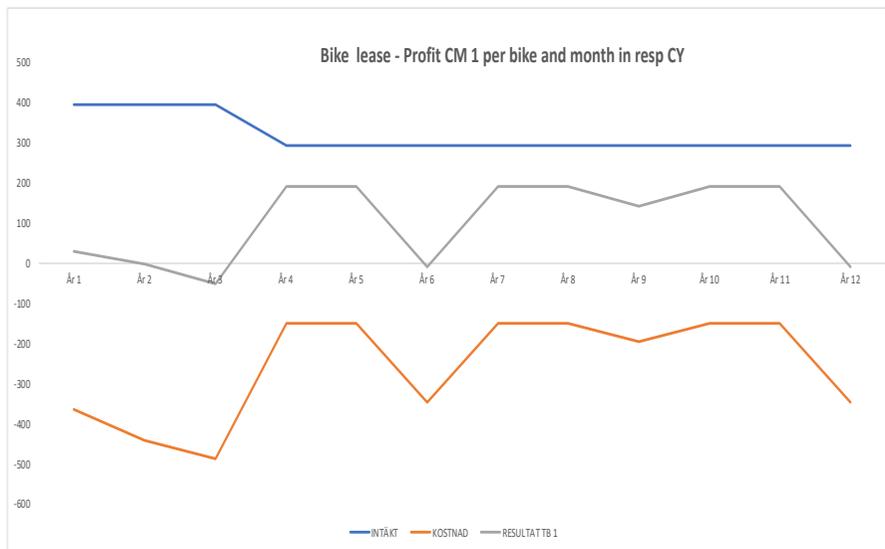


# Källor till kostnader (och miljöförstöring)



Nasr & Thurston, 2006

# Vinstlogik: Uppfräschad cykel billigare än ny = mer lönsamhet över tid



**Kalkylknep: "Sälj" linjär produkt till cirkulär affärsenhet → vanlig verksamhet får sin marginal. Ger hyrmodellen något ovanpå?**

**Hur ökar vi?**



**Inköp**

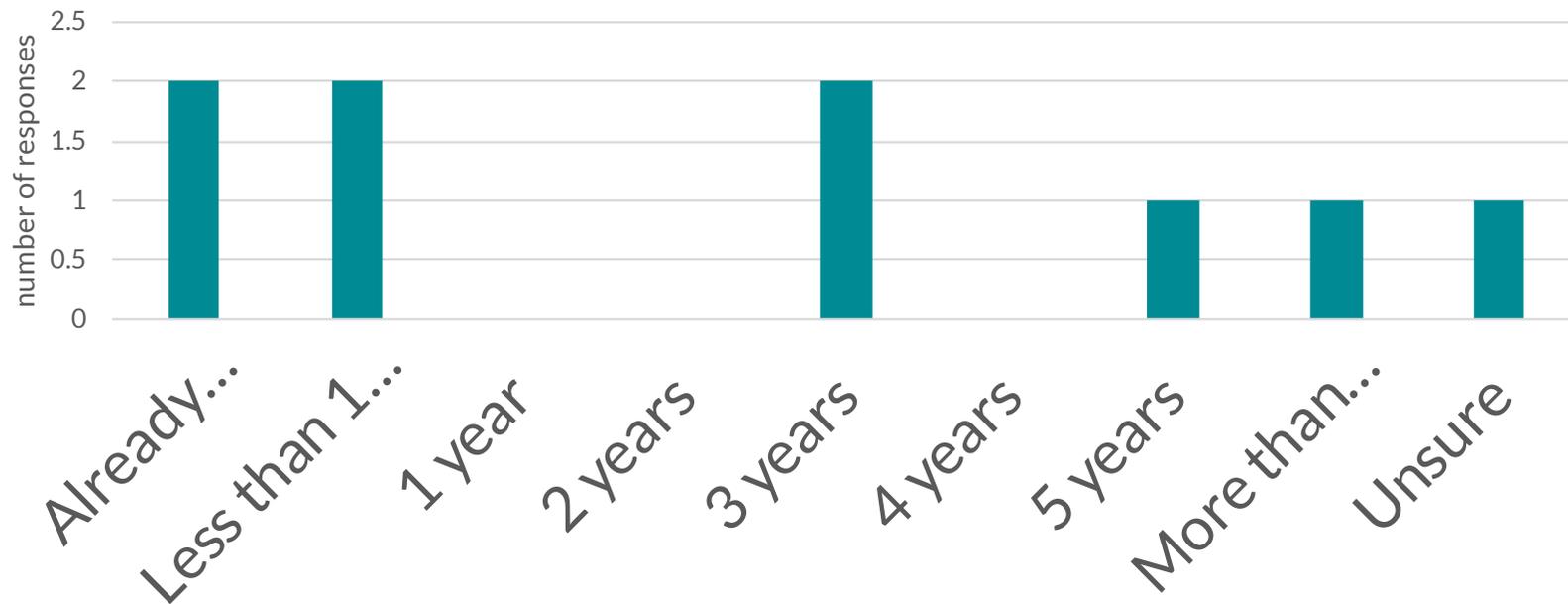
Emanuela.Vanacore@ri.se

# Affärsmodellinnovation för cirkulära möbelflöden



- Ändra norm i branschen
- 2014-2019
- Möbler för offentlig miljö och kontor
- [www.cirkularitet.se](http://www.cirkularitet.se)

# In how long time do you believe that adopting a circular business model will lead to earning higher profits?



**Vilken bransch  
vill satsa i er  
region?**

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+46-708 745185

**Tack!**

**(Värdebevarande)**

# Reservbilder

Cirkulär ekonomi

**Design  
Mäta  
Kalkyl & Finans  
Inköp  
Betalningsvilja  
Policy  
Affärsekosystem**

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