

CIRKULÆR ØKONOMI I DANSK KONTEKST

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It is my firm belief that the 'take-make-waste' economy is about to be replaced by a circular, restorative approach where we no longer consider anything to be 'waste'

Flemming Besenbacher, Chairman of the Supervisory Board of Carlsberg A/S i Delivering the circular economy – a toolkit for policymakers (2015)

Hej!

Ditte Lysgaard Vind

AGENDA

1. Intro
2. Toolkittet & Danmark som case
3. Fødevarer, Det byggede miljø & plastik
4. Cirkulær økonomi i praksis

Hej!

Ditte Lysgaard Vind

1. NETVÆRKET FOR CIRKULÆR ØKONOMI

Fællesskab for toneangivende og engagerede danske aktører
Kombineret oplysning og netværksarrangementer
www.facebook.com/circular.dk

Hej!

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2. TOOLKITTET

DANMARK SOM PILOTPROJEKT

Udarbejdet af Ellen MacArthur Foundation i samarbejde med Erhvervsstyrelsen & Miljøstyrelsen

Et ambitiøst formål:

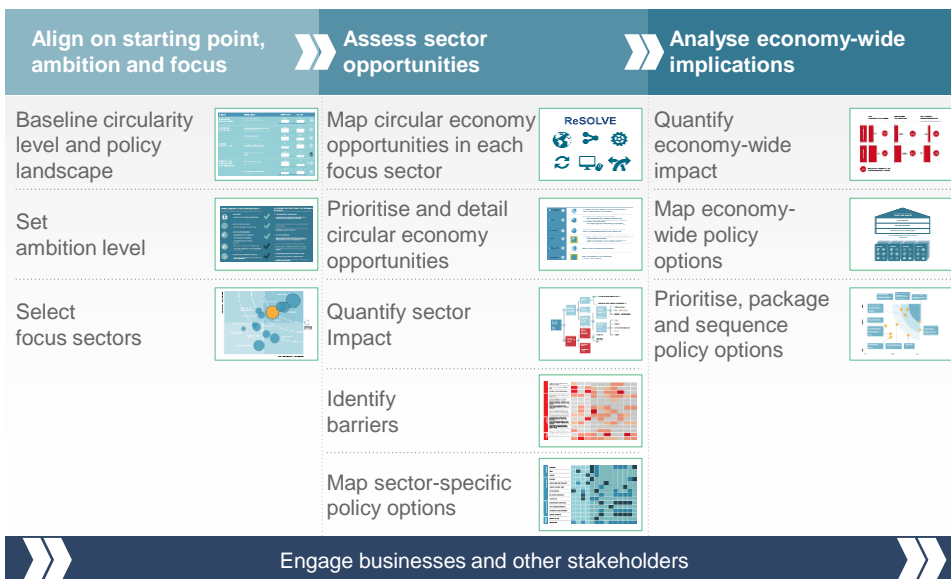


*To develop a **circular economy toolkit for policymakers**, with **Denmark as a pilot case**, and **disseminate this toolkit across the world** – giving policymakers who wish to embark on a circular economy transformation access to the tools and methods they need*

SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
<http://www.ellenmacarthurfoundation.org/books-and-reports>
toolkit@ellenmacarthurfoundation.org



En metodisk værktøjskasse til at muliggøre transformationen mod cirkulær økonomi



Engage businesses and other stakeholders



SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
<http://www.ellenmacarthurfoundation.org/books-and-reports>
toolkit@ellenmacarthurfoundation.org

Den danske pilotcase viste positiv påvirkning på BNP, jobskabelse og miljøet



Economy-wide impact by 2035. Absolute and percentage change relative to the 'business as usual' scenario.



€ 3.6 – 6.2 billion

Annual GDP contribution, or 0.8–1.4% vs. baseline



7,300 – 11,300

Job equivalents, or 0.4–0.6% vs. baseline



0.8 – 2.3 million

Tonnes of CO₂ footprint reduction, or 2.5–6.9% vs. baseline



5 – 50%

Resource savings for selected resources (iron/steel, plastics)

SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
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toolkit@ellenmacarthurfoundation.org

Ti muligheder i fem sektorer blev identificeret i Danmark



Sector	Opportunity	Net value created EUR million, 2035
Food & Beverage	1 Value capture in cascading bio-refineries	300–500
	2 Reduction of avoidable food waste	150–250
Construction & Real estate	3 Industrialised production and 3D printing of building modules	450–600
	4 Reuse and high-value recycling of components and materials	100–150
	5 Sharing and multi-purposing of buildings	300–450
Machinery	6 Remanufacturing and new business models	150–250
Plastic packaging	7 Increased recycling of plastic packaging	Not assessed
	8 Bio-based packaging where beneficial	Not assessed
Hospitals	9 Performance models in procurement	70–90
	10 Waste reduction and recycling	Not assessed

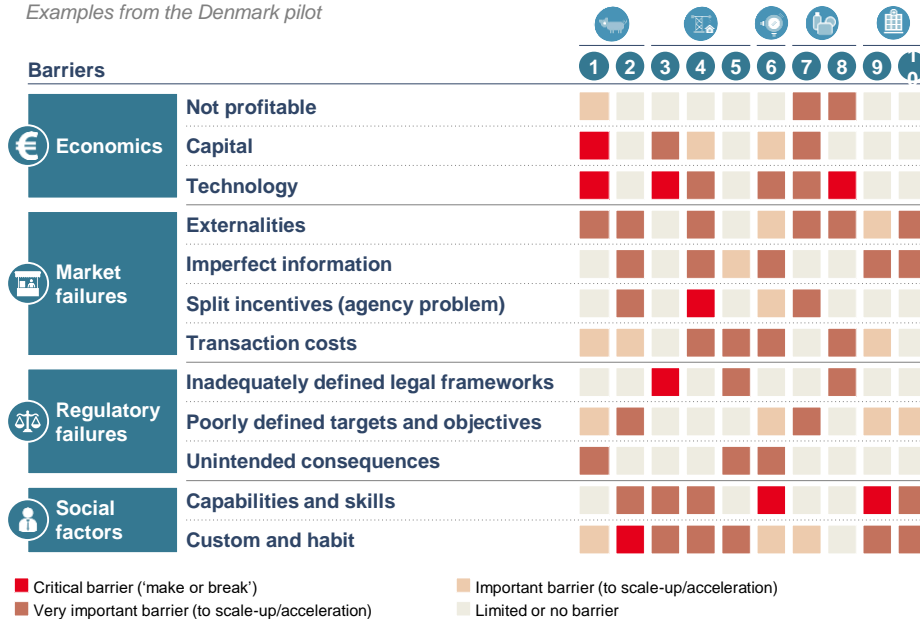
SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
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GPPR convenes the stakeholders for effective collaboration across the plastic packaging value-chain



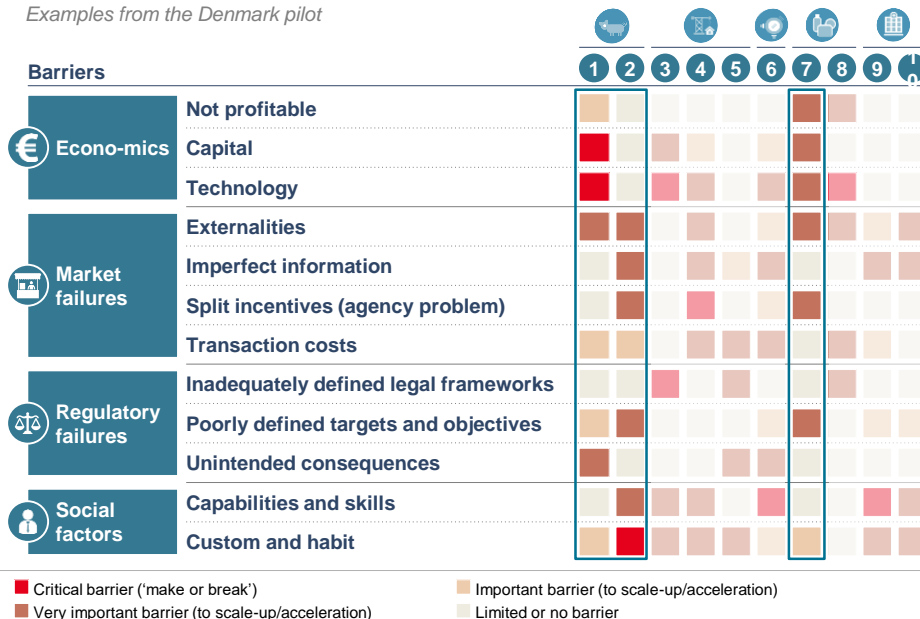
Primære identificerede barrierer

Examples from the Denmark pilot

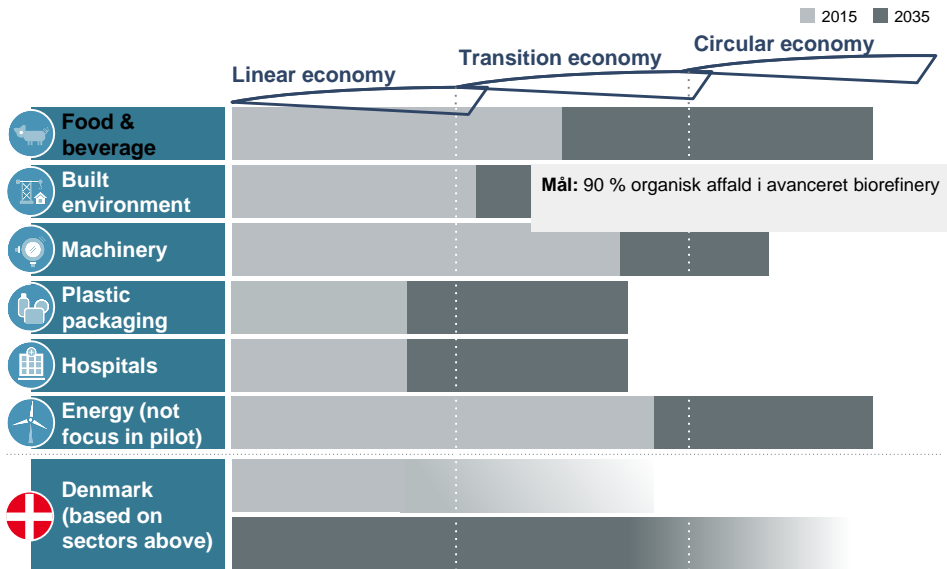


Barriererne for fødevarer og plastik

Examples from the Denmark pilot

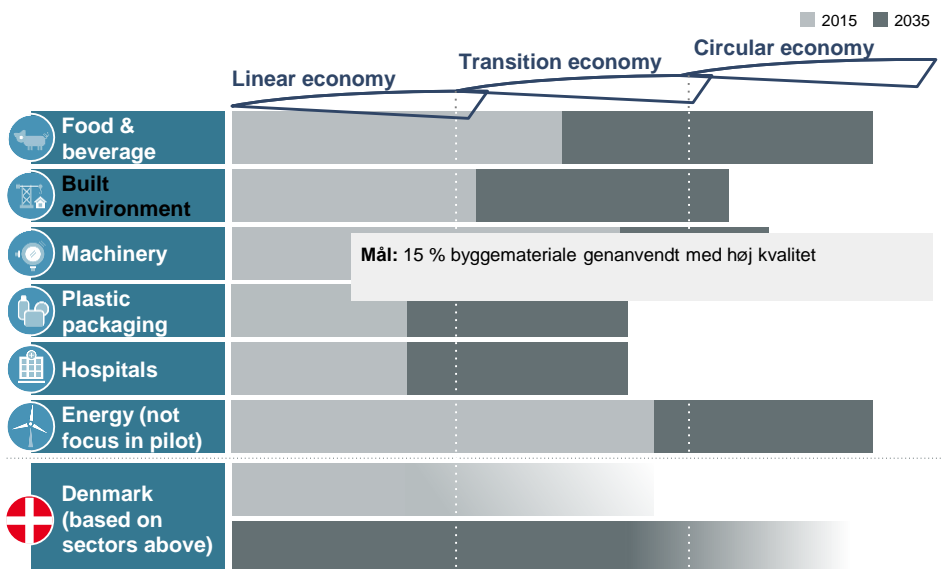


Fødevarer



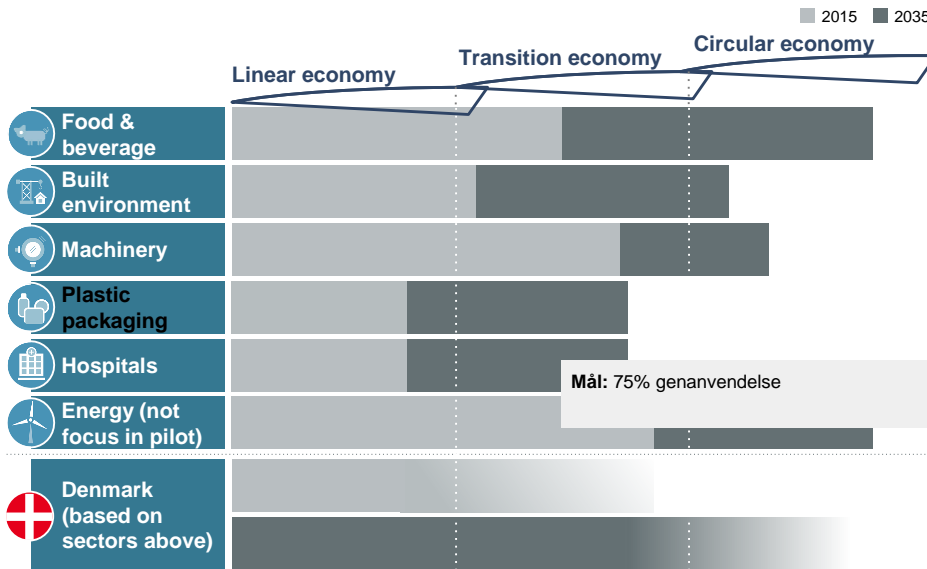
SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
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Det byggede miljø



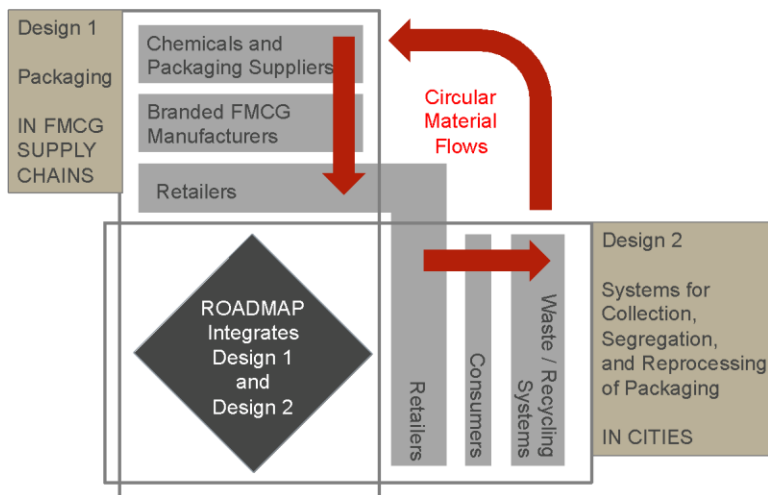
SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
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Plastik



SOURCE: Ellen MacArthur Foundation, *Delivering the circular economy – a toolkit for policymakers* (2015)
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The Global Plastic Packaging Roadmap (GPPR) seeks to integrate 'Design 1' and 'Design 2' to enable circular flows across value chains



PROJECT MAINSTREAM:

Project MainStream is a collaboration led by the World Economic Forum and Ellen MacArthur Foundation, with McKinsey & Company as knowledge partner

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MAINSTREAM:**

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Hej!

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Cirkulær økonomi

I PRAKSIS

Ressourcestrategi
Symbioser
Nordisk Ministerråds inspirationskatalog
Netværket for Cirkulær Økonomi

Holbæk Forsyning



Hej!

Ditte Lysgaard Vind

Tak for i dag

www.ellenmacarthurfoundation.org/books-and-reports

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