

Nachhaltigkeit von Lebensmittelverpackungen: Konkrete Umsetzung in der Industrie

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Verpackung der Zukunft
Wädenswil, 23.11.2017



Amcor Global Map: Flexibles and Rigid Plastics Packaging



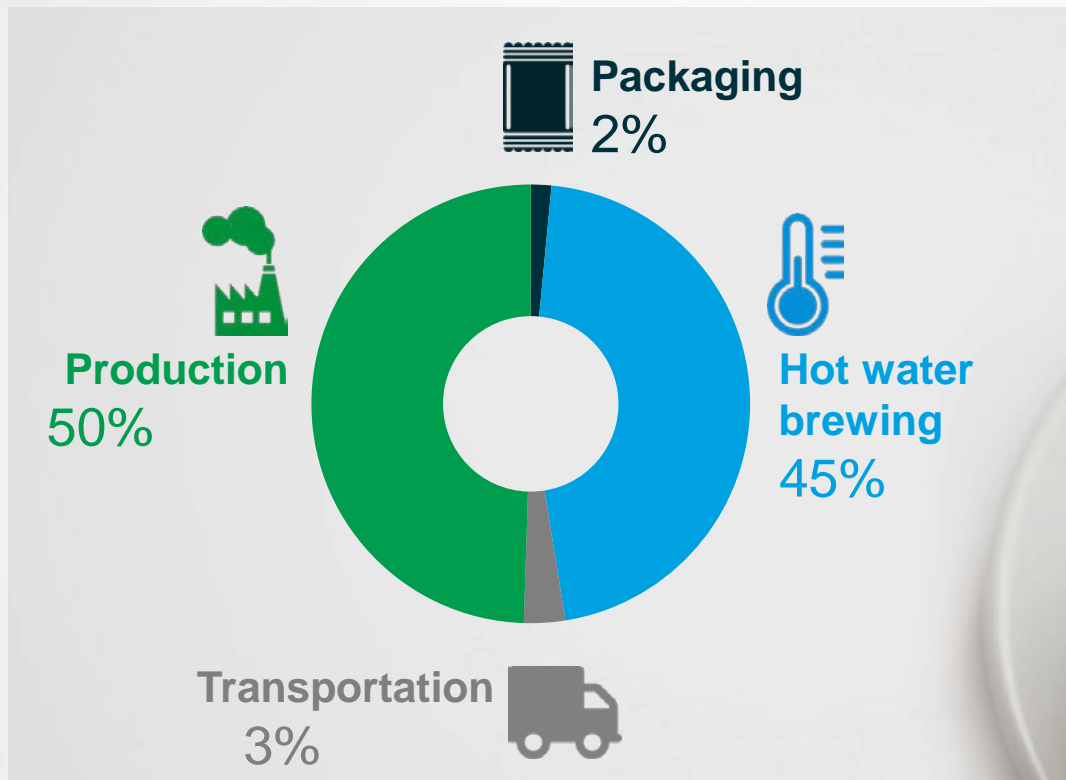
As of 30 June 2017



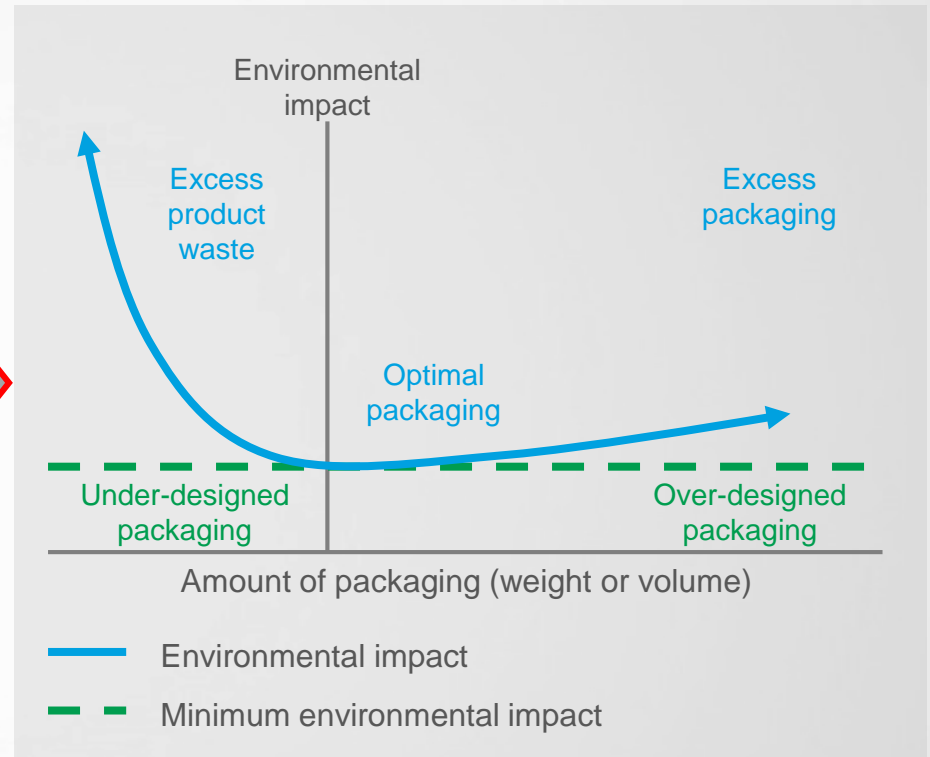
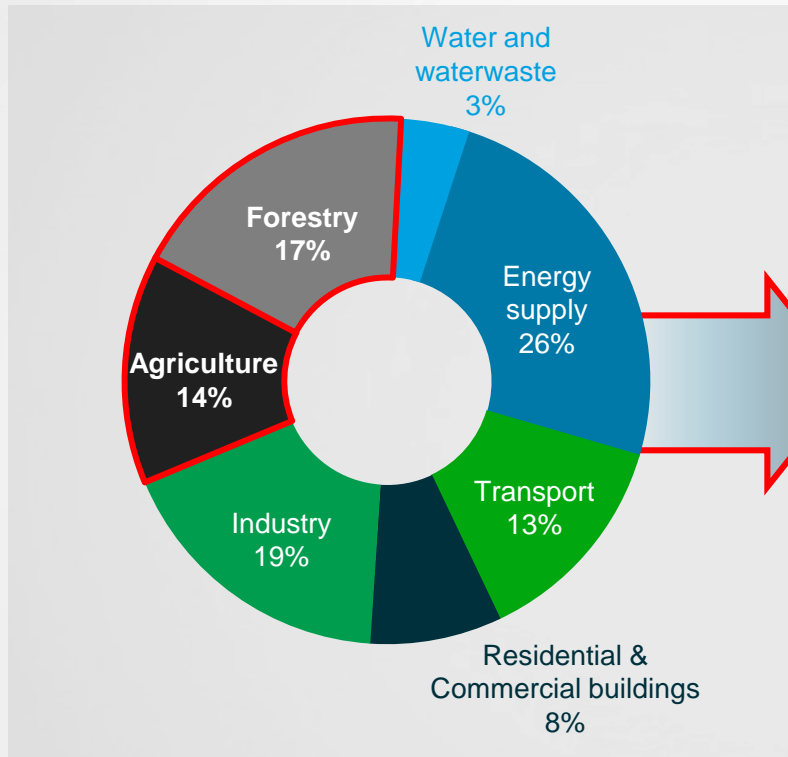
What do you associate packaging with?



Environmental Impact of a Cup of Coffee



Packaging: Part of the solution



Source: IPCC

Packaging protects products in distribution



**Reduces
breakage
& waste**

**Ensures
efficient
transport**

**Enables
ambient
storage &
transport**

Packaging enables shelf life extension



**High-
barrier
packaging**

**Modified
atmosphere**

**Moisture
absorbance/
desiccants**

Packaging protects products at point of consumption



**Food and
other
waste
reduction**

**Portion
control &
compliance**

**Complete
dispensing
and
emptying**





54%

of people
want to buy
**more
sustainably**

Industry leaders
are fully aware
they need to include
Sustainability
in their core
business

Many
already are...
Many more
want to!

Sustainability is a key component of our Strategy

Message from the CEO

Packaging developed and made by Amcor protects products, extends their shelf life, and reduces waste throughout the global supply chain

“Leadership in the global packaging industry includes accountability for helping to reduce the environmental and social effects of our business and our industry overall”



Our Sustainability Focus

Packaging Sustainability

Better packaging solutions
reducing environmental impacts
of product and packaging



Responsible Operations

Ensuring compliance and
continuous improvement of
operations and supply chain from
an environmental and ethical
point of view



Collaborative Initiatives

Working with industry partners, regulators, and NGOs
to solve challenges of the industry and society



Greenhouse gas emissions



Long term goal:
60% by 2030

Production Waste



Long term goal:
Zero waste to landfill

Water Consumption

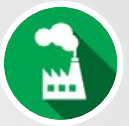


Long term goal:
Improve water efficiency

GHG, waste, water targets refer to period FY17-FY19

Responsible Operations & Supply Chain:

Ethical business practices



Sedex - Supplier Ethical Data Exchange:

- Labour conditions and Human Rights
- Health & Safety
- Environmental Management
- Business Integrity



Requesting customers:
100+

50+ of Amcor sites have conducted external ethical audits to provide an additional level of comfort to our customers.

Suppliers

ecovadis for Amcor's suppliers.

- Environment
- Labour Practices
- Fair Business Practices
- Supply Chain

85% of our global procurement spend risk assessed and monitored with ecovadis

Working with 42 customers and peers to advance responsible sourcing globally



Product Sustainability: Life Cycle Perspective



Material sourcing

- ✓ Low impact materials
- ✓ Lightweighting
- ✓ Downgauging
- ✓ Post-consumer recycled content

End of life

- ✓ Improved recycling & recovery
- ✓ Reduced total cost of ownership (e.g. green dot recovery fees in Europe)



Conversion & Distribution

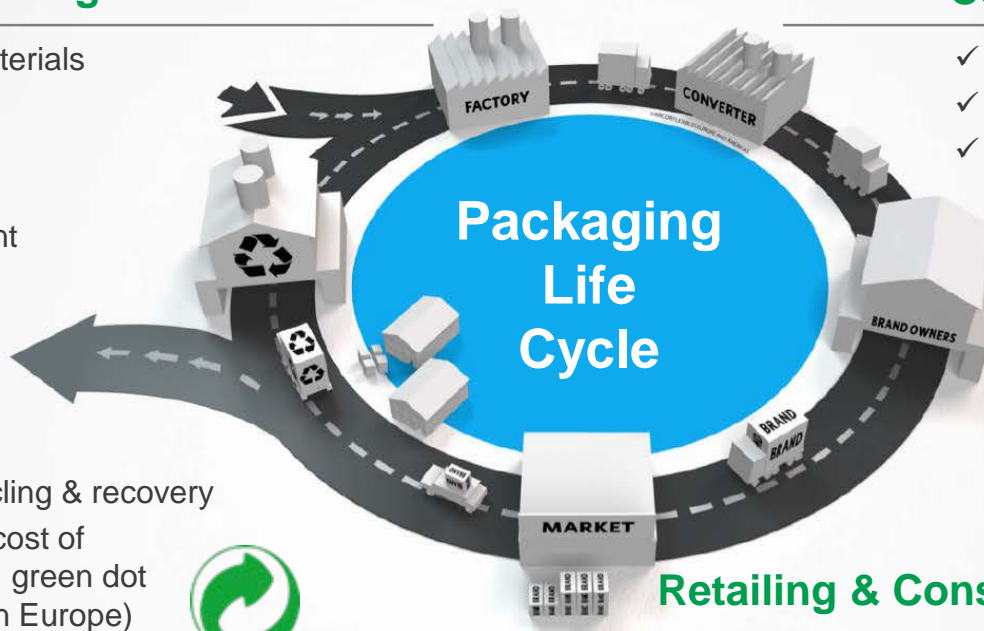
- ✓ Waste reduction
- ✓ Optimized conversion
- ✓ Logistics savings

Form/Filling/Seal

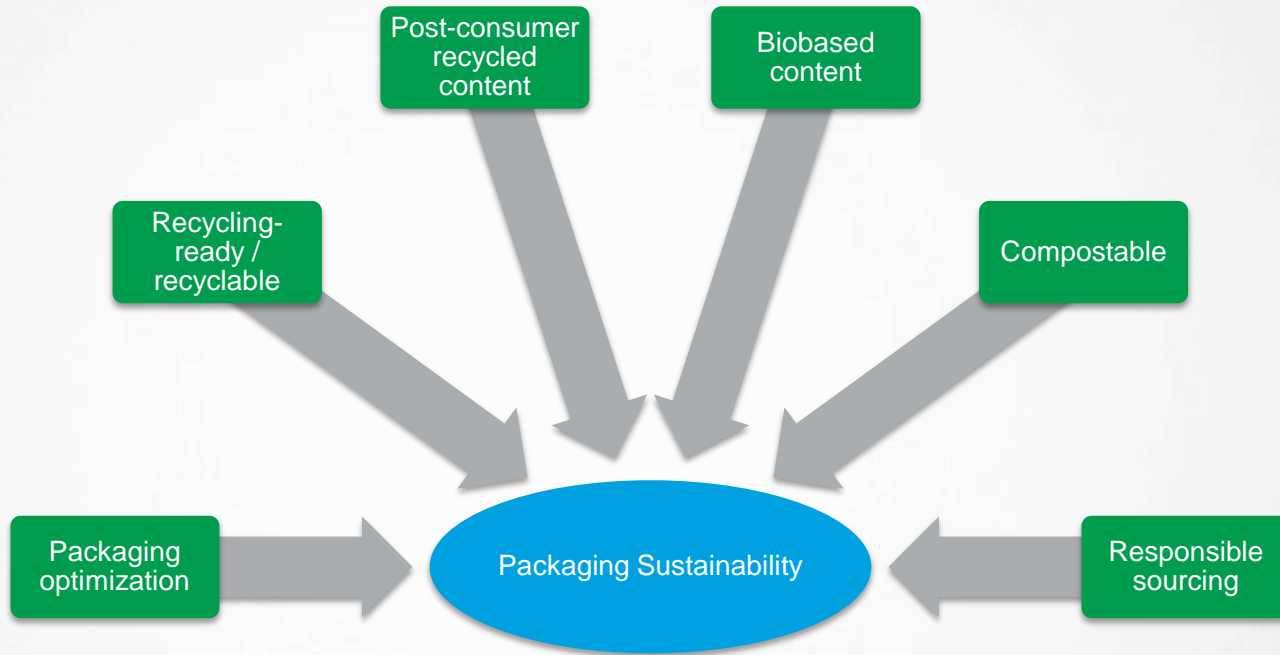
- ✓ Efficiency gains
- ✓ Waste reduction
- ✓ Energy reduction

Retailing & Consumption

- ✓ Food/product waste reduction
- ✓ Logistics savings



Packaging sustainability: looking at all the options



Recyclable or lower carbon footprint AND recyclable?



200g
product
127g
packaging

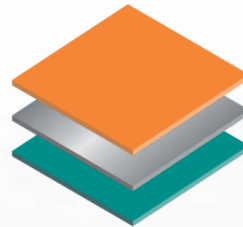
**Glass Jar with
twist closure**

- Jar (glass)
- Twist closure (steel)
- Label (paper)



200g
product
4.0g
packaging

**Standard flexible
packaging (present)**



- PET
- Aluminium
- PP



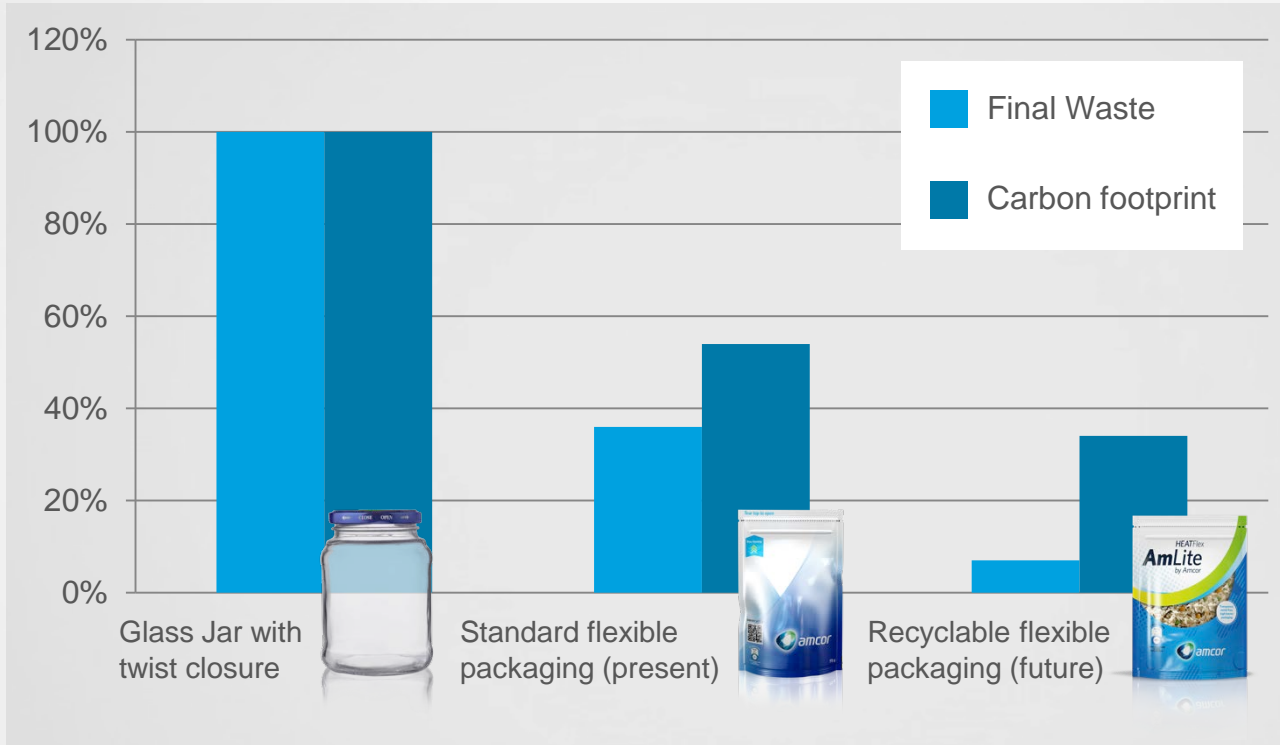
200g
product
3.9g
packaging

**Recyclable flexible
packaging (future)**



- PP
- PP with Amcor
Barrier Coating
- PP

Plastics packaging minimizes impacts



End of life scenarios

Glass jar: 100% recycling

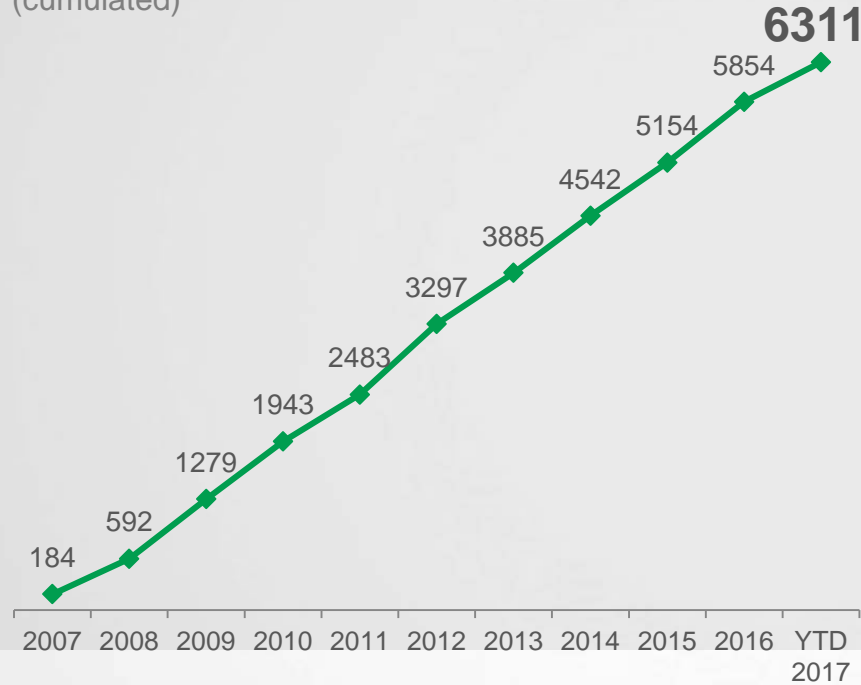
Present flexible packaging: 63% landfill, 37% incineration (Europe today)

Future flexible packaging: 70% recycling, 30% incineration

Product Sustainability: Life Cycle Assessment embedded in R&D



Number of ASSET assessments
(cumulated)

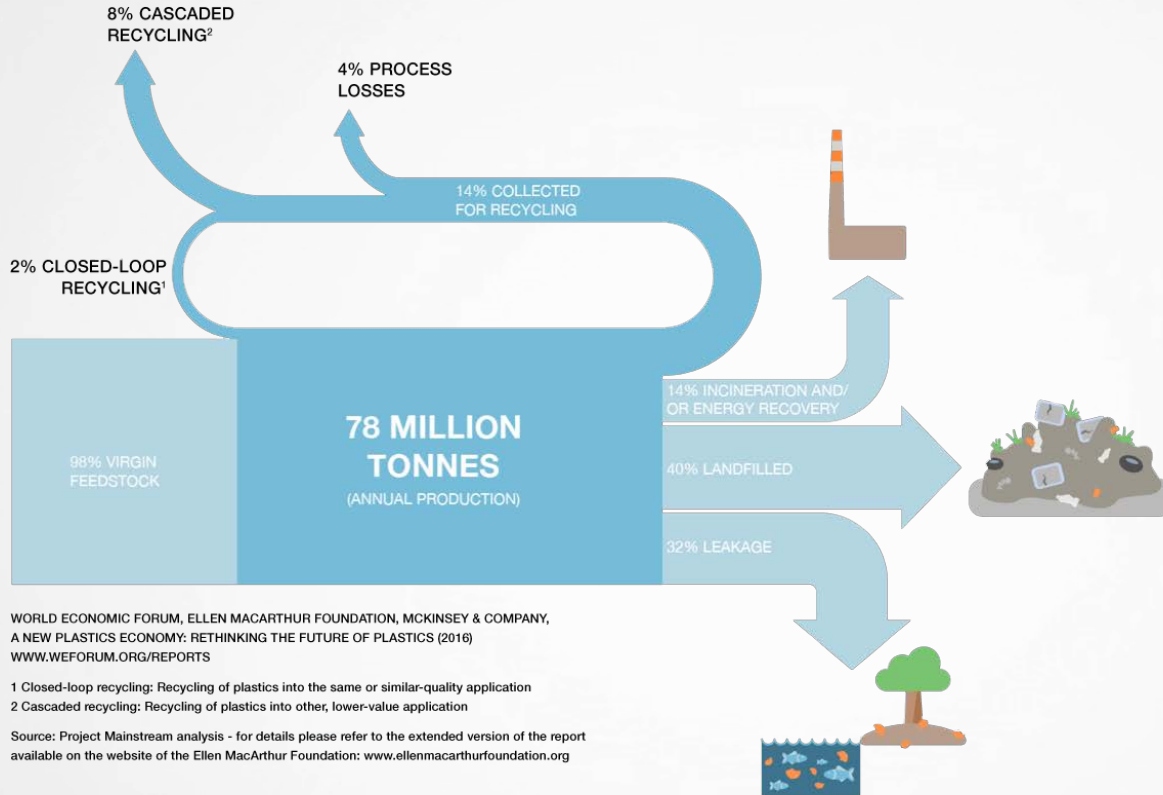


Most comprehensive and up-to-date database
of packaging materials in the industry

500+
Assessments
per year



What Happens to Plastic Packaging Today?



WORLD ECONOMIC FORUM, ELLEN MACARTHUR FOUNDATION, MCKINSEY & COMPANY,
A NEW PLASTICS ECONOMY: RETHINKING THE FUTURE OF PLASTICS (2016)
WWW.WEFORUM.ORG/REPORTS

- 1 Closed-loop recycling: Recycling of plastics into the same or similar-quality application
- 2 Cascaded recycling: Recycling of plastics into other, lower-value application

Source: Project Mainstream analysis - for details please refer to the extended version of the report available on the website of the Ellen MacArthur Foundation: www.ellenmacarthurfoundation.org

Collaborative Initiatives:

Solving the end-of-life problems & planning for the Future



Defining a plastics economy in which plastics never become waste



Materials Recovery for the Future (MRFF): Collection and sorting of Flexibles

REFLEX/ CEFLEX: Recycling of Flexibles



Keeping plastic waste out of the oceans



Fighting hunger with improved packaging



Increasing access to recycling infrastructure



