The CE concept
Europe on its way towards a Circular Economy: the potential benefits

High expectations:
“...much brighter future for the European economy (...),
“prospect of sustainable growth that will last (...),

• Significant impact on innovation, capital productivity and reduced reliance on raw material imports

• Estimated annual net material cost saving potentials of up to USD 706 billion (EMF)

09.10.2017
Recycling rates for most relevant waste streams
Barriers for the uptake of recycled materials

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- RE ABS Industriequalitäten schwarz
- ABS weiß/schwarz
The digital transformation as an ideal enabler for a circular economy

Practical considerations

Sensing
• Data collection and generation in real time
• Automated market and logistics platforms („Uber for waste“)

Cyber Physical Systems
• Information on products throughout the entire production process

Block Chain-Applications
• Waste data flows without any conclusions to be drawn about production techniques

Internet of Things
• Self-marketing of recyclable products