



منتدى الاستراتيجيات الأردني
JORDAN STRATEGY FORUM

Knowledge Sharing Session

“Circularity: Jordan’s Opportunity to Promote Economic Growth”

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Why Circularity is an Opportunity for Jordan

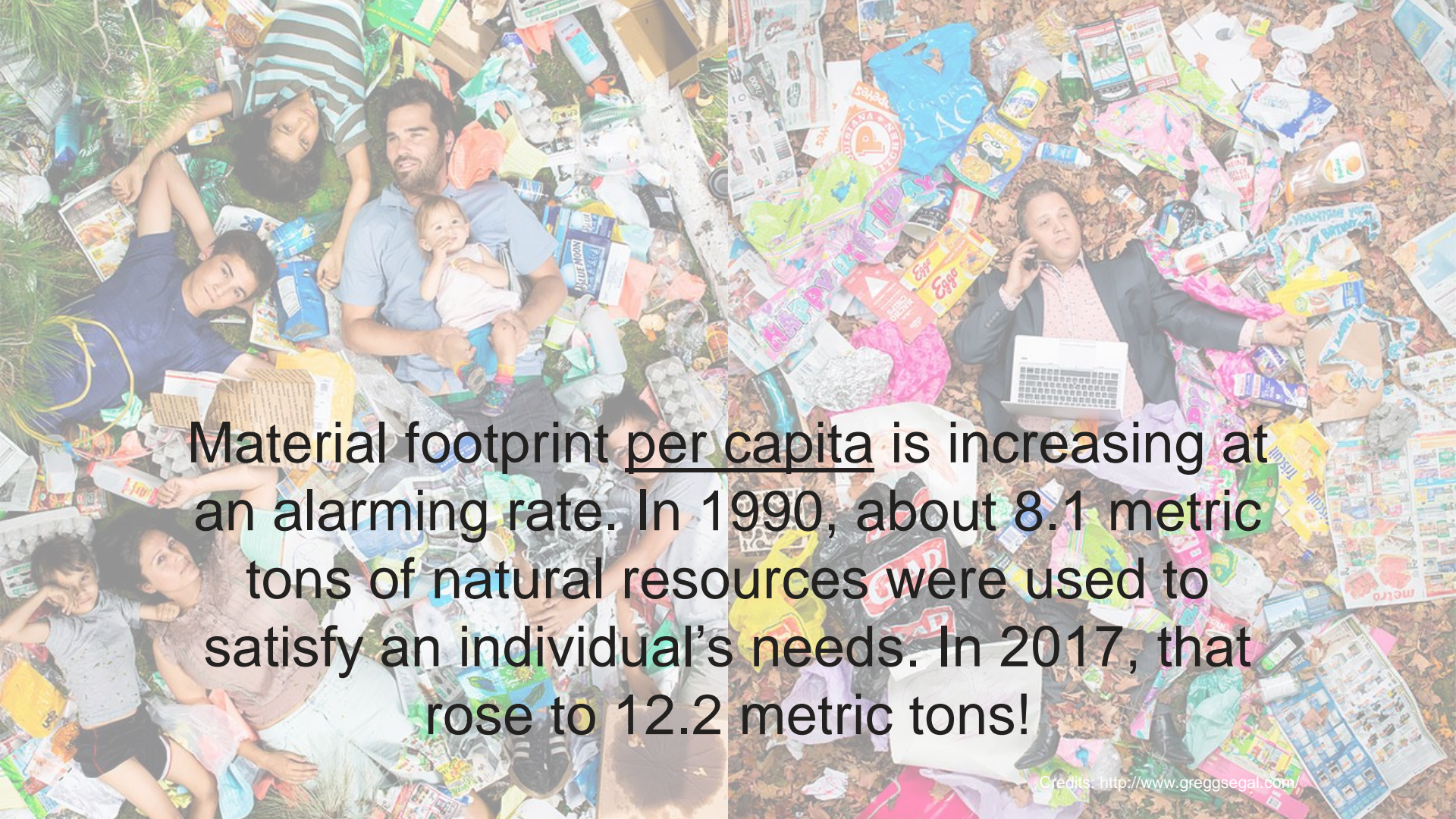
Ms. Burcu Tuncer, adelphi consult, Germany | June 12th, 2023



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Material footprint per capita is increasing at an alarming rate. In 1990, about 8.1 metric tons of natural resources were used to satisfy an individual's needs. In 2017, that rose to 12.2 metric tons!



An estimated 2.24 billion tonnes of solid waste, or 0.79 kilograms per person per day, was generated globally in 2020.

Why are We Here Today?

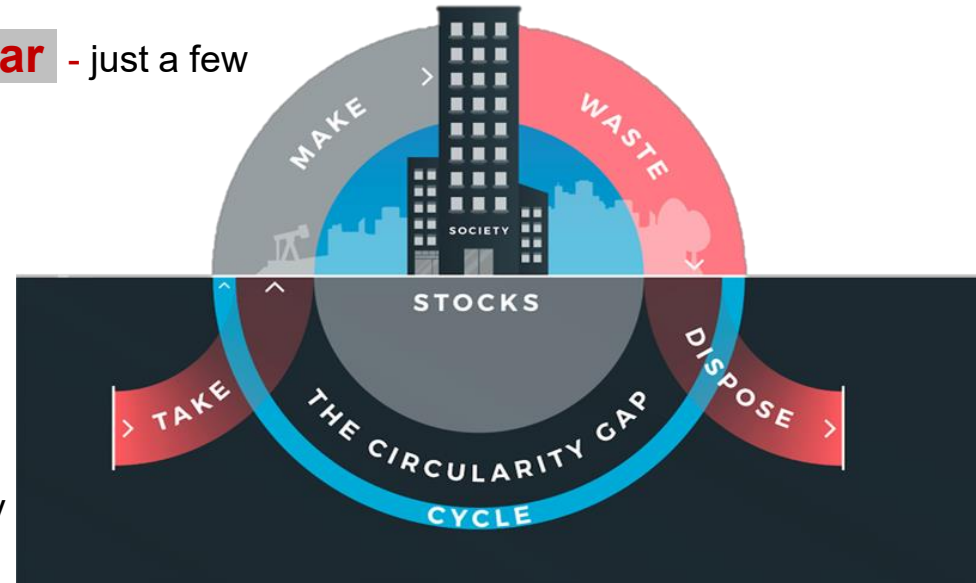
Today, the global economy is **only 7.2% circular** - just a few years ago it was 9.1% (2018).

The global circularity gap is widening.

Why? - Three underlying trends:

1. high rates of extraction; ongoing stock build-up
2. low levels of end-of-use processing and cycling
3. 'take-make-waste' tradition of the linear economy

In fact, we can fulfil people's needs with only 70% of the materials that we use globally today — within the safe limits of the planet.



Source: Circle Economy

Jordan Recognises the Need for Circular Economy



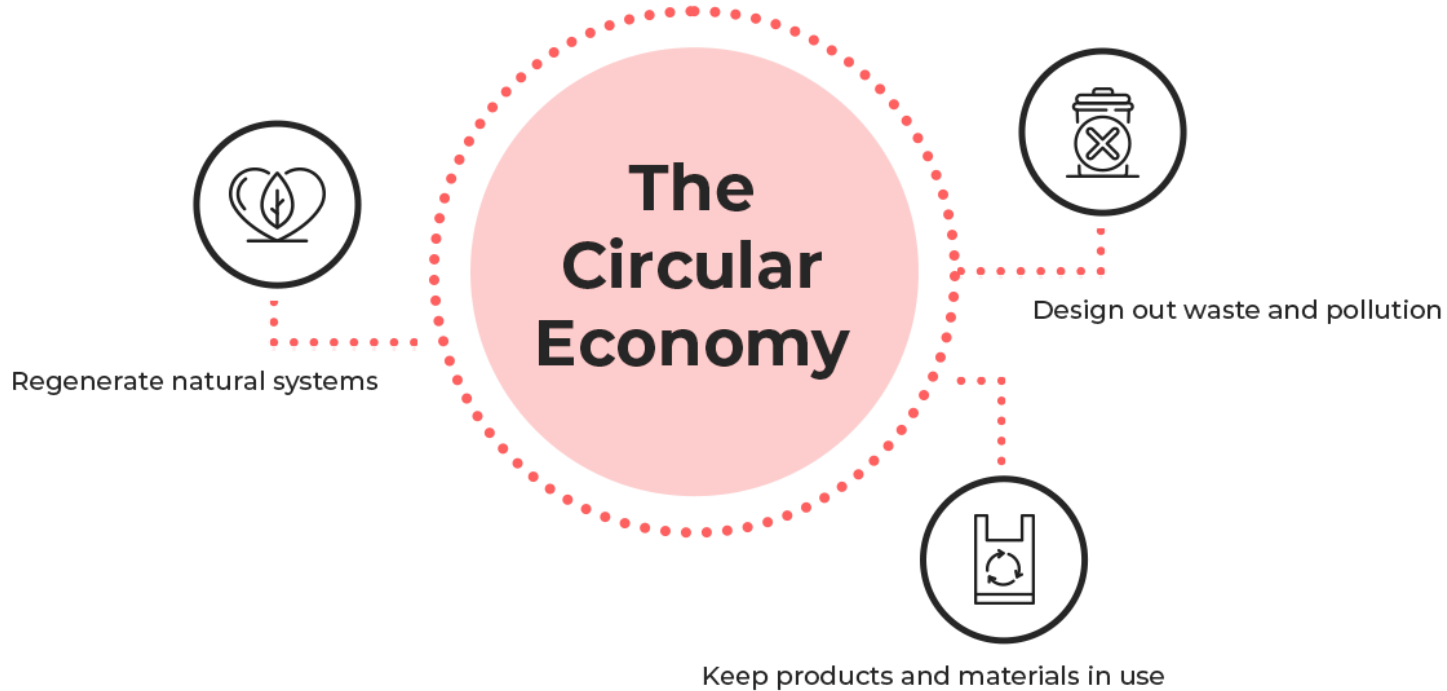
The Sustainability Pillar of Jordan's Economic Modernization Vision refers to application of **Sustainability Principles to Economic Growth & Quality of Life** and aims to:

- ✓ Increase value generated from circular economy
- ✓ Promote transition towards green growth
- ✓ Reduce production based emissions
- ✓ Reduce waste generation
- ✓ Improve waste recycling and re-use
- ✓ Increase renewable energy sources
- ✓ Promote environmental culture and behaviour

All related to **Circular Economy principles!**

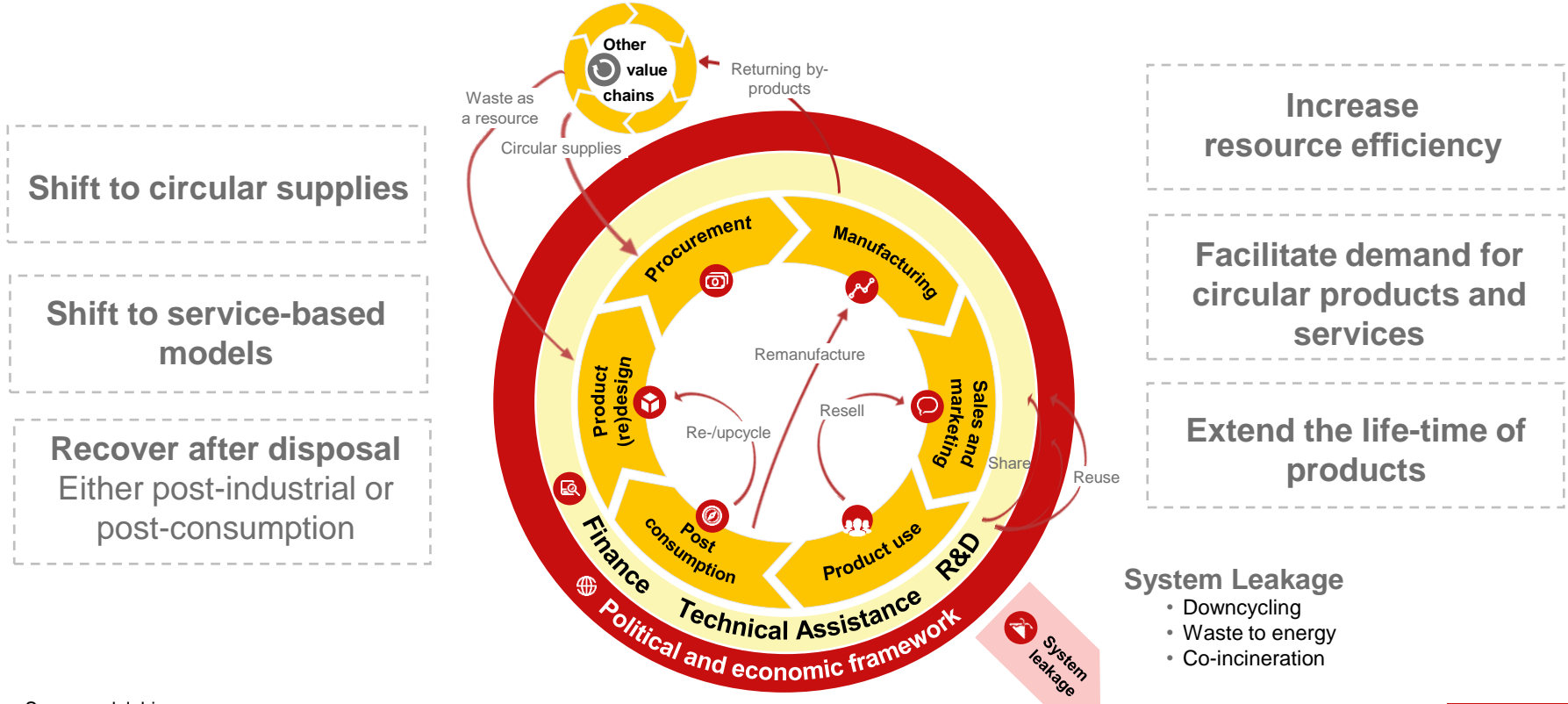


The Core Principles of Circular Economy



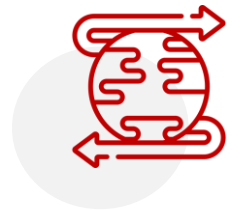
Source: Ellen MacArthur Foundation: <https://ellenmacarthurfoundation.org/>

Circular Economy Strategies and Business Models



Source: adelphi

Global Untapped Opportunities At Glance



Resilience: Securing raw material supply

Job creation:
A net total of 7-8 million new jobs by 2030

GHG reduction:
Renewables can tackle only 55%, rest is left to circularity

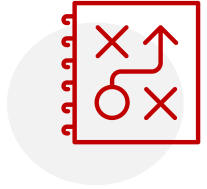
Trade opportunities:
Creation of new global value chains

New skills: Reuse, repair, re-manufacturing, recycling industries

Biodiversity protection:
Reduce land use and regenerate

Innovative business models:
New revenue streams and start-ups

Circular Economy Strategies in Comparison



Europe

Almost all European Union member states have adopted or are still drafting circular economy strategies. The EU Green Deal sets our clear circularity targets for companies, national and local authorities.

Spain

'España Circular 2030' strategy to reduce the consumption and waste

Germany

Circular Economy Initiative
Germany 2030: Vision for the transformation to CE

France

Law against waste and for CE, Roadmap for the Circular Economy

West Asia

The integration of the circular economy concept and its principles in strategies and action plans are still in the early stages in West Asia, with only a few countries such as Türkiye or the United Arab Emirates already embarking on their journey.

Türkiye

Comprehensive national strategy to implement the CEAP

UAE

National Framework
The Emirati Circular Economy Policy, roadmap for implementation



Circular Economy Opportunities in Jordan

- Recovering textile waste as raw material for the RMG producers
- Recovering textile waste for recycled yarn production
- Producing higher value garments
- Upcycling and reuse schemes

RMG & Fashion



- Revalorising bio-waste as fertilisers and biogas
- Product innovation from food side-streams
- Developing recycling industries
 - Development of alternative (bio-based) packaging

Food-Processing & Packaging

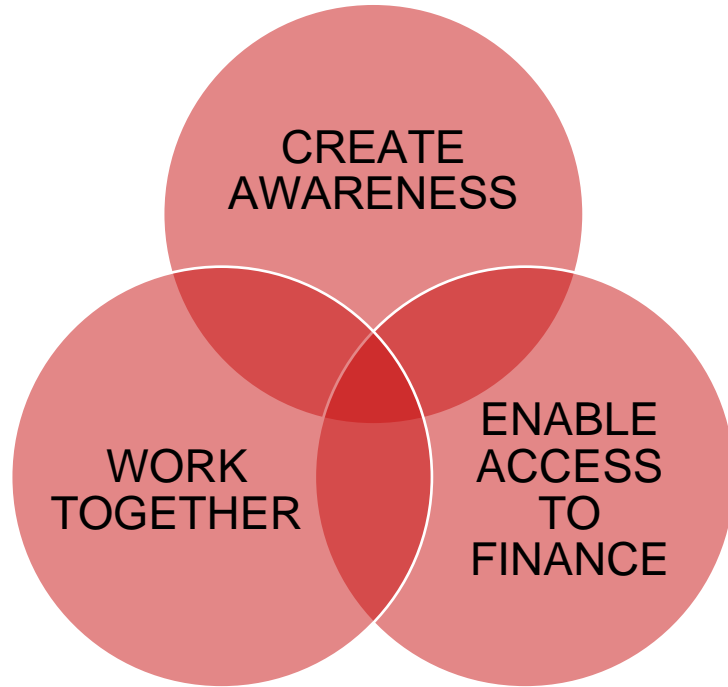


- Industrial symbiosis between SMEs
- Eco-designing for market compliance
- Product-as-service business models

Manufacturing



Ways to Unlock Circular Economy Opportunities in Jordan





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Arabic Paper



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