



European Chamber
中国欧盟商会

Circular Zero Waste Cities

EU Experience Sharing & EU-China Cooperation

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Environment Working Group, European Chamber

Mindset shift from waste management to resource management

The waste hierarchy often used in EU until 2017

Prevention

1 Maximum conservation of resources

Reuse

2 Reusing materials

Recycle

3 Recycling & reprocessing materials

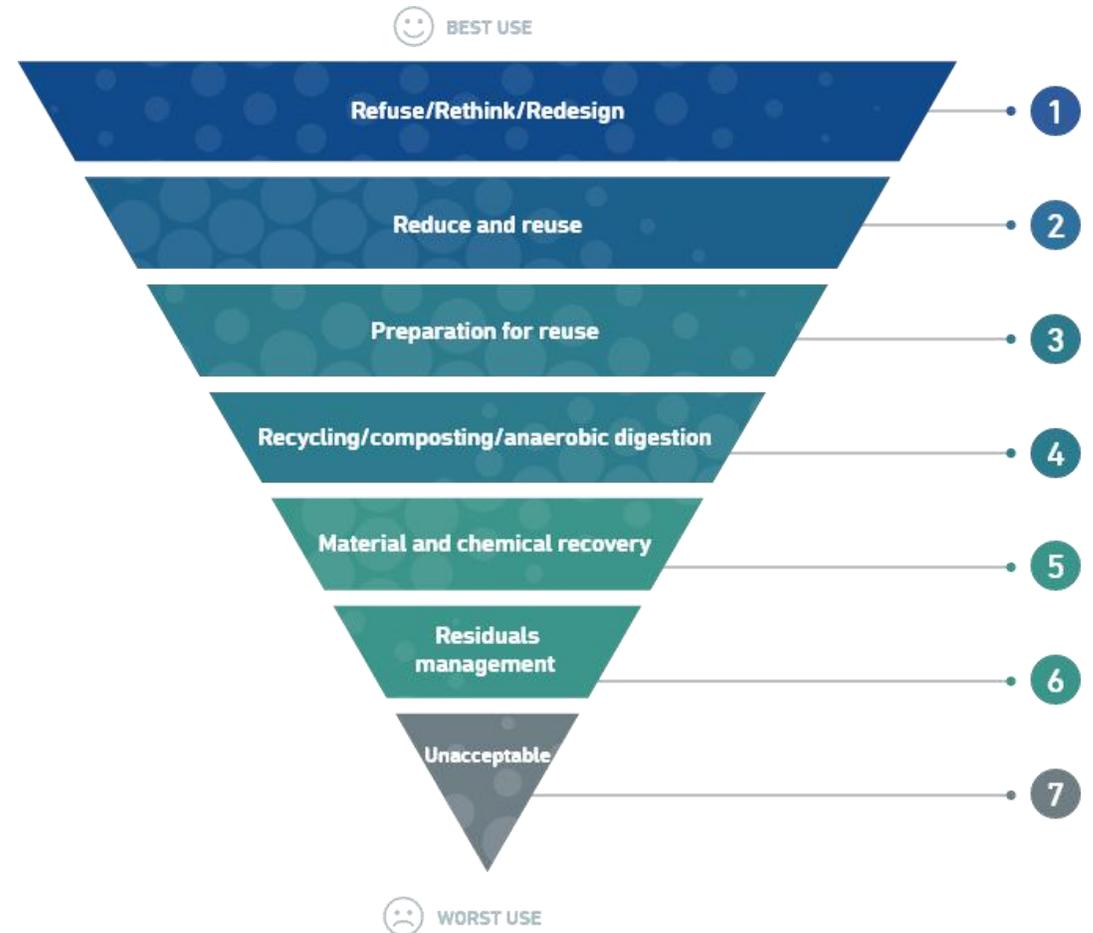
Other Recovery

4 Including energy recovery only if highly efficient

Disposal of waste

5 Zero conservation of resources

The new waste hierarchy in EU now





What is the objective/targets?

Waste prevention aspirational objectives for Member States

- Significant reduction in waste generation
- A European food waste reduction target of 30% by 2025 and 50% by 2030
- A European marine litter reduction of 30%^[2] by 2025 and and 50% by 2030

Recycling targets

- x - 65% target by 2030,
- x - 3% of all MSW to be prepared for reuse

Packaging

Reuse

- x - Member States to promote reusable packaging
- x - Aspirational share of 5% of reusable packaging by 2025
- x - Aspirational share of 10% of reusable packaging by 2030
- x - Inclusion of Deposit Return Schemes as potential measures for MS to take.

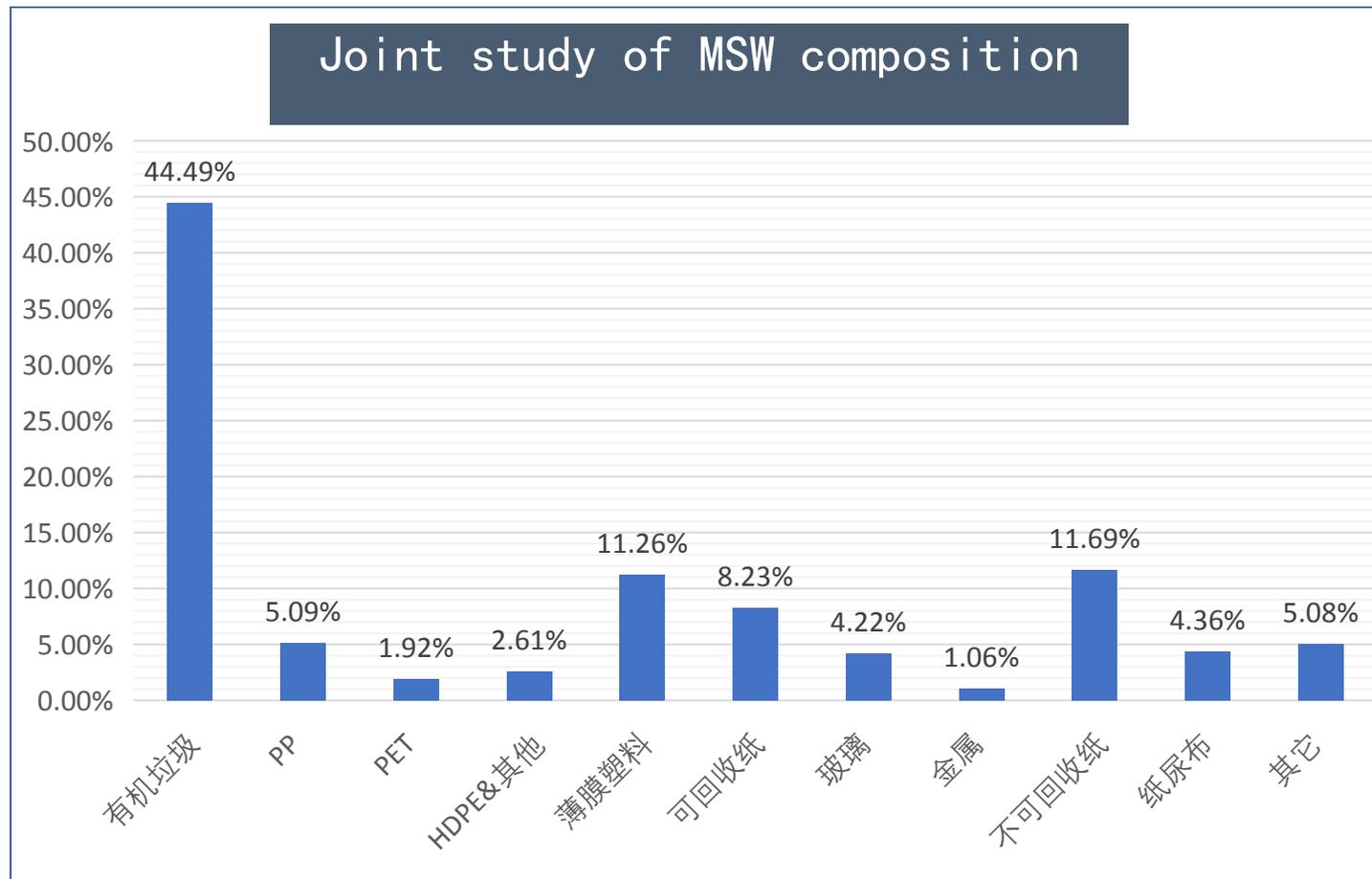
Recycling

- x - A 70% recycling target by 2025 for all packaging
- x - 60% for plastic
- x - 65% for wood
- x - 80% for ferrous metals
- x - 80% for aluminium
- x - 80% for glass
- x - 90% for paper and cardboard

Biowaste

- x - Separate collection in all Member States
- x - Promotion of home composting
- x - Measures on traceability and quality of the materials collected

To get started



Untapped potential by material types

PLASTIC



VALUE PROPOSITION*
\$ **55-85** BN

STEEL



VALUE PROPOSITION*
\$ **70-150** BN

PAPER



VALUE PROPOSITION*
\$ **30-40** BN

从线性经济模式

MOVING FROM A LINEAR ECONOMY...



转变为
TO

循环经济模式

A CIRCULAR ECONOMY



Deposit return system -DRS

DRS--an effective Instrument towards a Zero Waste

Future:

- ✓ DRS achieve highest rates of **separate collection** (around 90% in Europe)
- ✓ And reduce littering
- ✓ effective for reuse or close loop recycling!
- ✓ **DRS can finance themselves**
- ✓ DRS create **local jobs**



REFILLABLE TARGETS



DRS FOR ALL BEVERAGES



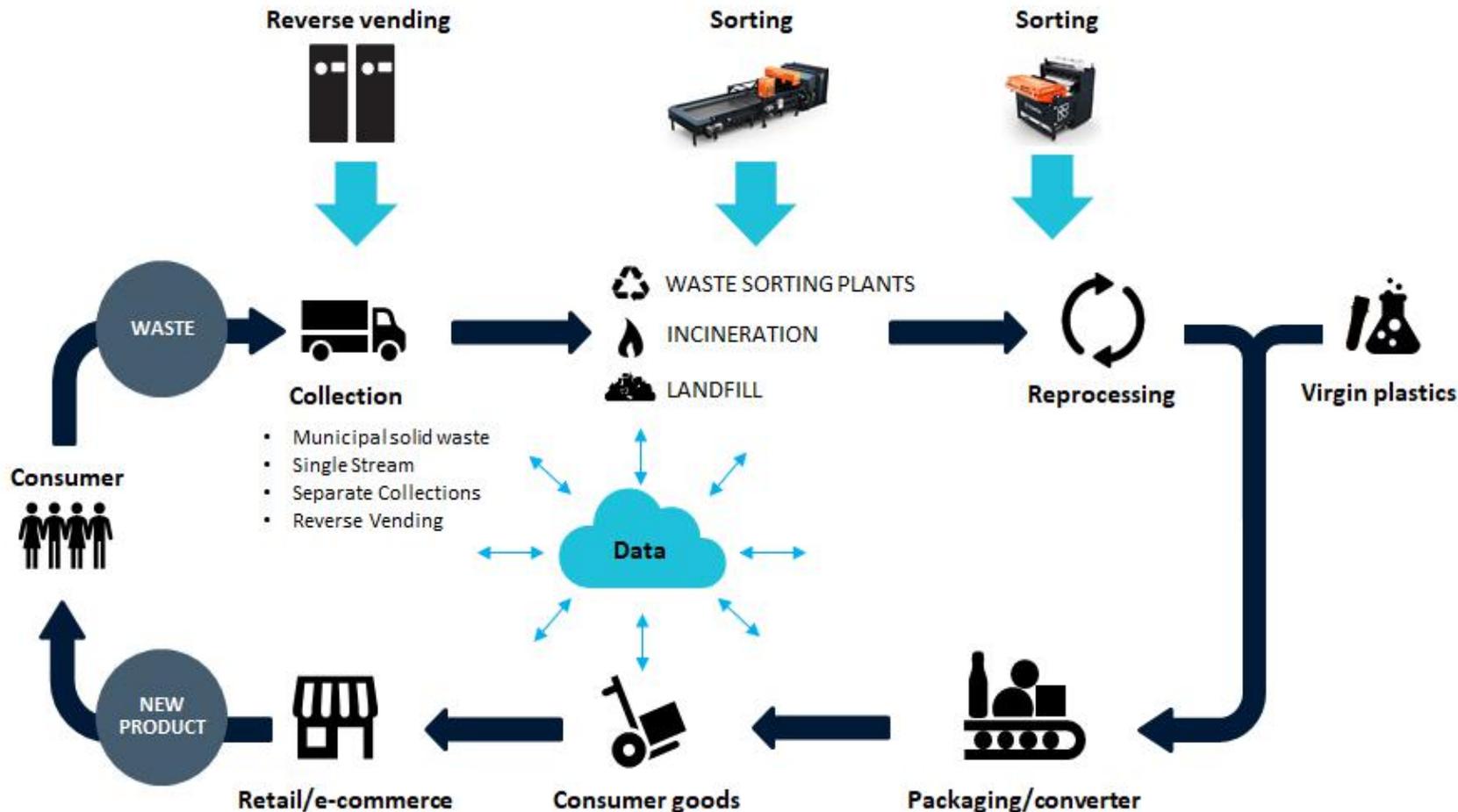
DRS BEYOND BEVERAGES



Closing the loop—circular economy is the foundation of zero-waste cities



- Create a demand for recycled materials
- Keep the resource in the loop
- sorting of all waste streams



China-EU cooperation on circular economy

The world's two biggest economies stand to gain from aligning on policies that support the transition to a circular economy.



China and the EU have signed a MoU on Circular Economy Cooperation on July 2018

Key Recommendations by EUCCC EWG:

- More frequent and in-depth dialogue on CE cooperation by various level officials
- Case studies of cities
- Engaging the business
 - Brand owners
 - Material suppliers
 - Recyclers & Converters
 - Business model Innovators
 - Technical entrepreneurs
- Joint pilots



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Thanks for your attention

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