

COLLECTORS

Circular approach for CDW

Webinar, 26 June 2020

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VITO



Outline

1. COLLECTORS project
2. Improving circularity
3. Focus on CDW

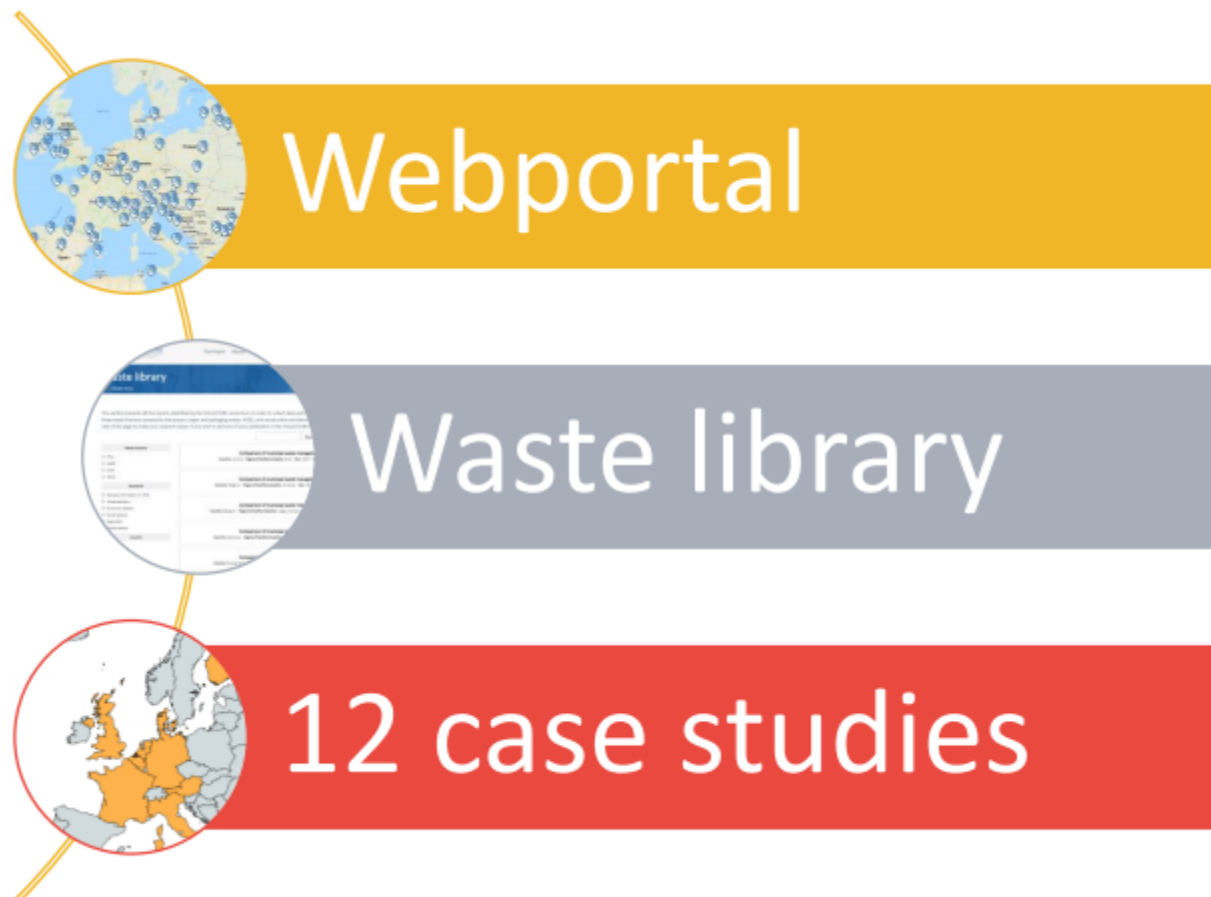
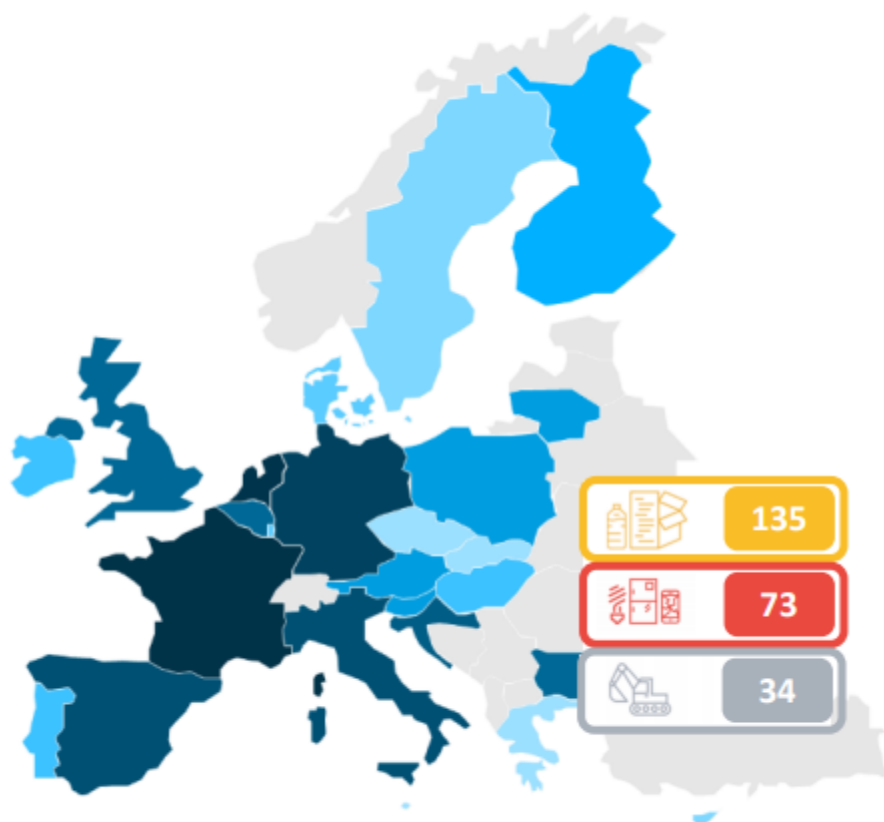


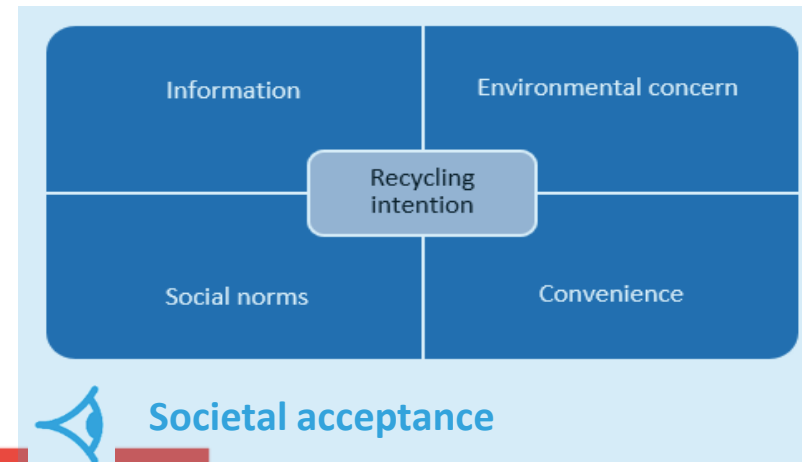
COLLECTORS

WASTE COLLECTION SYSTEMS ASSESSED
AND GOOD PRACTICES IDENTIFIED

Objective:

Identify good practices in waste collection and increase knowledge sharing; to ensure that good performing regions and cities can serve as examples and inspiration for regions with similar local contexts

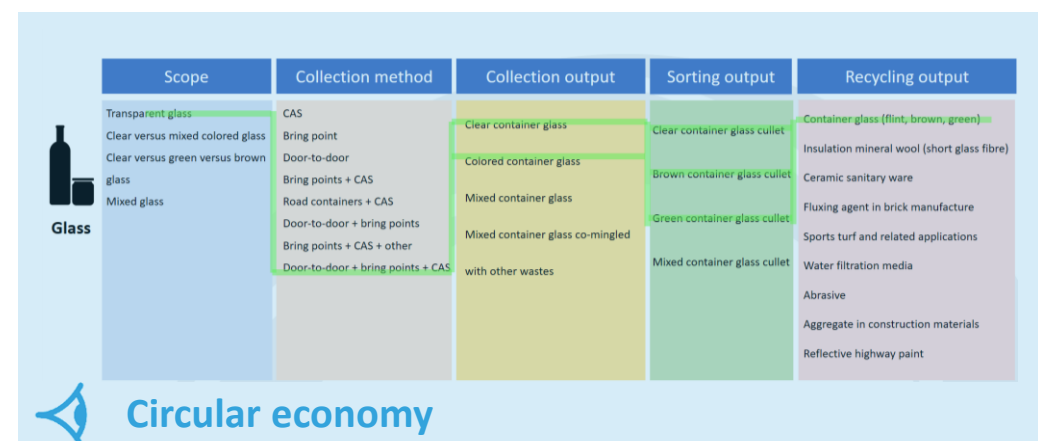




Financial

12 case studies

5 PPW, 5 WEEE, 2 CDW



Phase 1. Inventory

Map and harmonize existing information on waste collection systems throughout Europe for packaging and paper waste, WEEE, and CDW.

Disclose it on a web-based platform to help decision-makers find systems that are in line with their needs.

▶ **Inventory of waste collection practices**

Phase 2. Assessment

Assess the overall performance of waste collection systems in different geographical areas based on comparable data, using life-cycle assessments and cost-benefit analyses.

▶ **Twelve case studies**

Phase 3. Implementation

Stimulate successful implementation of better-performing waste collection systems by providing the necessary tools for decision makers, with tailored instructions per type of location.

Multi-criteria decision making will be applied as participatory learning exercises.

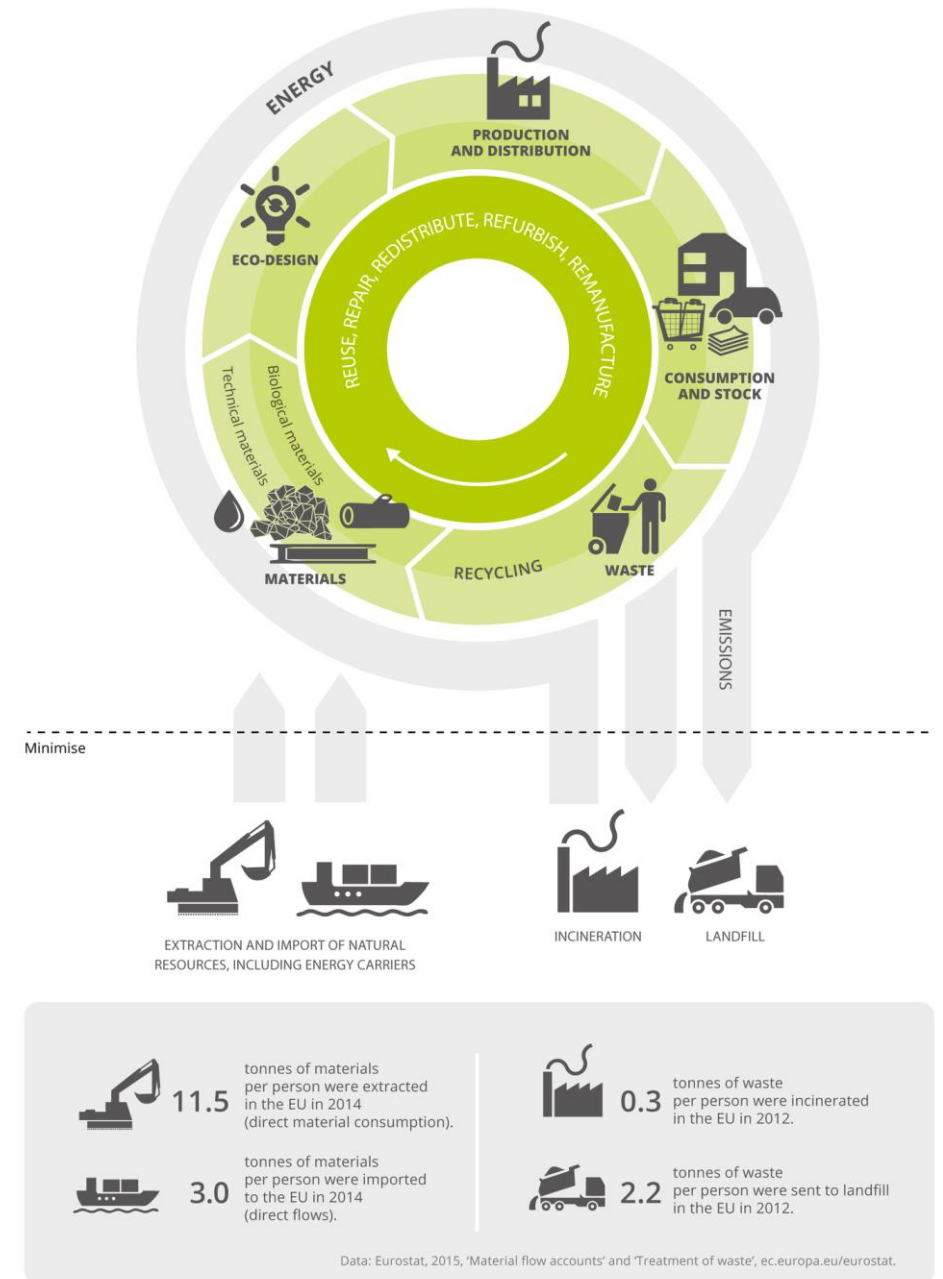
▶ **Implementation guidelines**

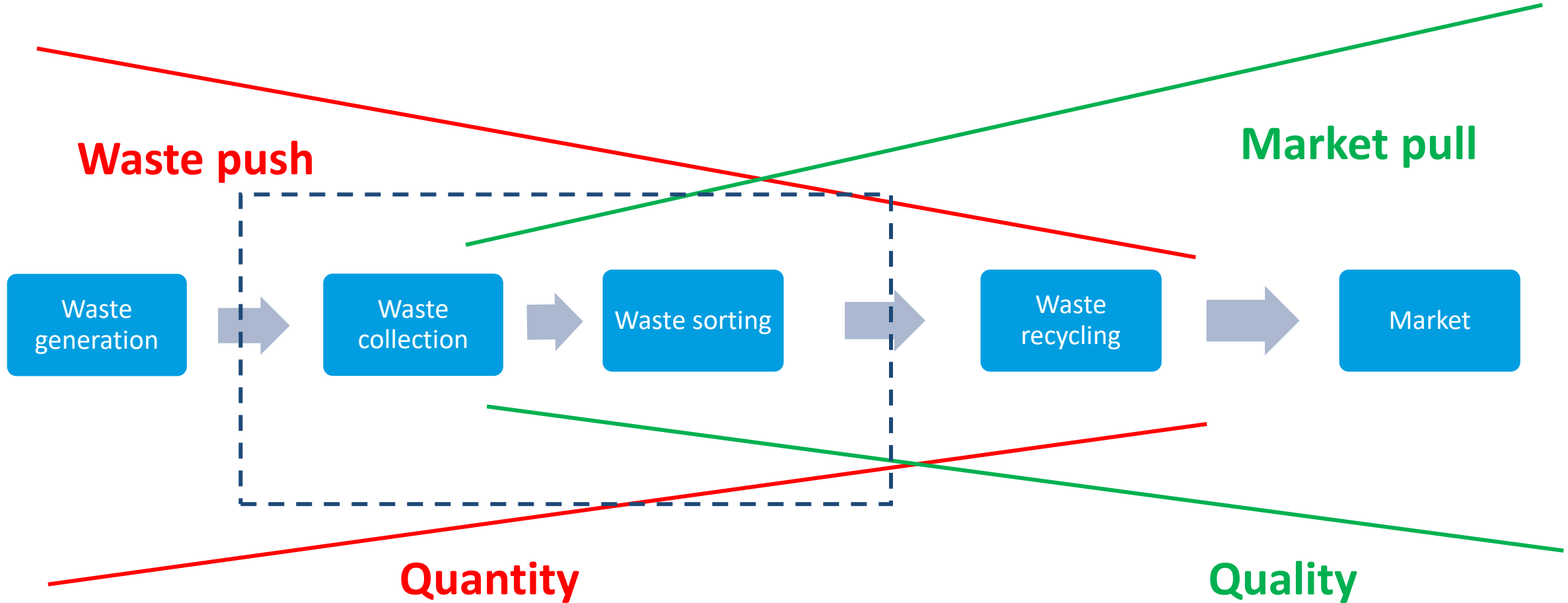
▶ **Policy recommendations** on aligning the different policy levels involved.

▶ **3 customised factsheets** on waste collection systems



Improving Circularity

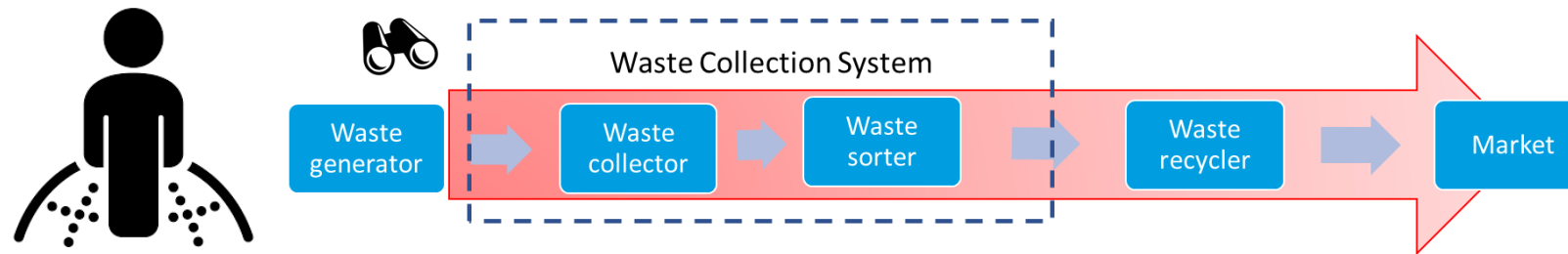




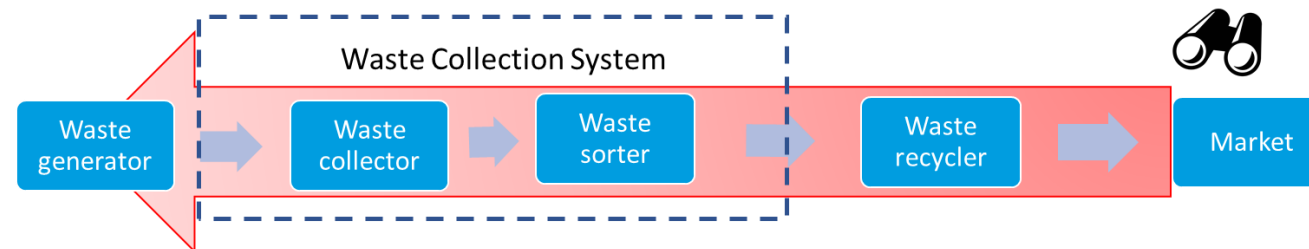
Role of waste collection in recycling value chain

2 perspectives:

From citizen point of view (societal perspective)

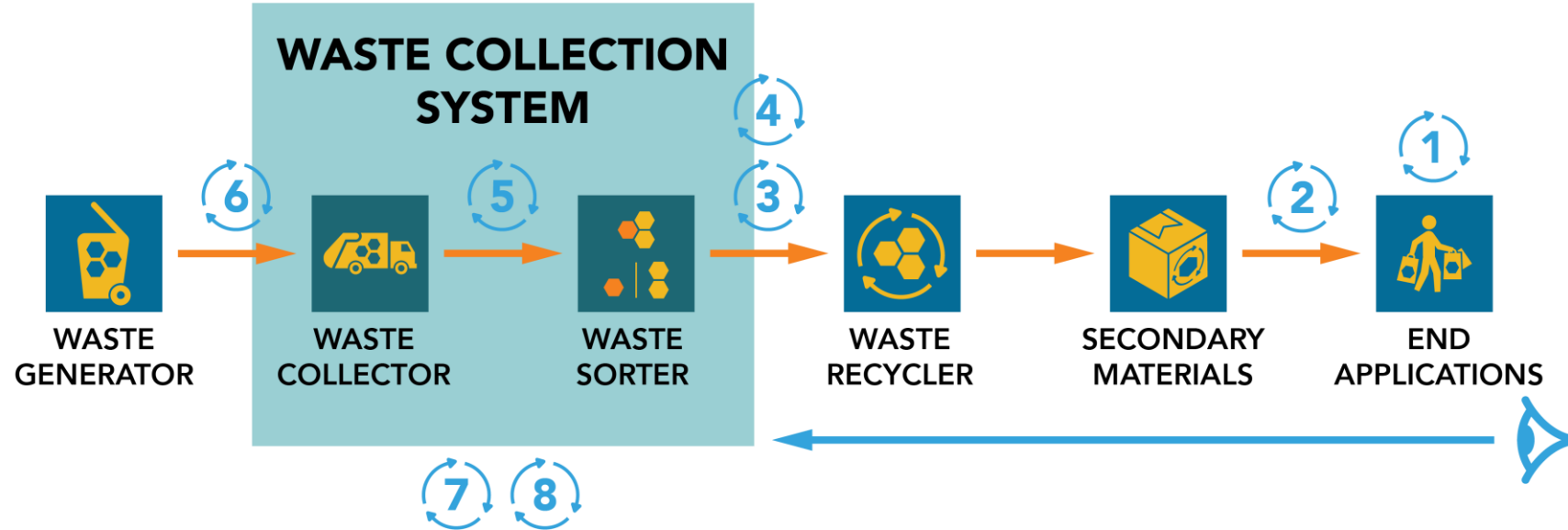


From systemic and technical point of view (CE perspective)



MAIN QUESTION

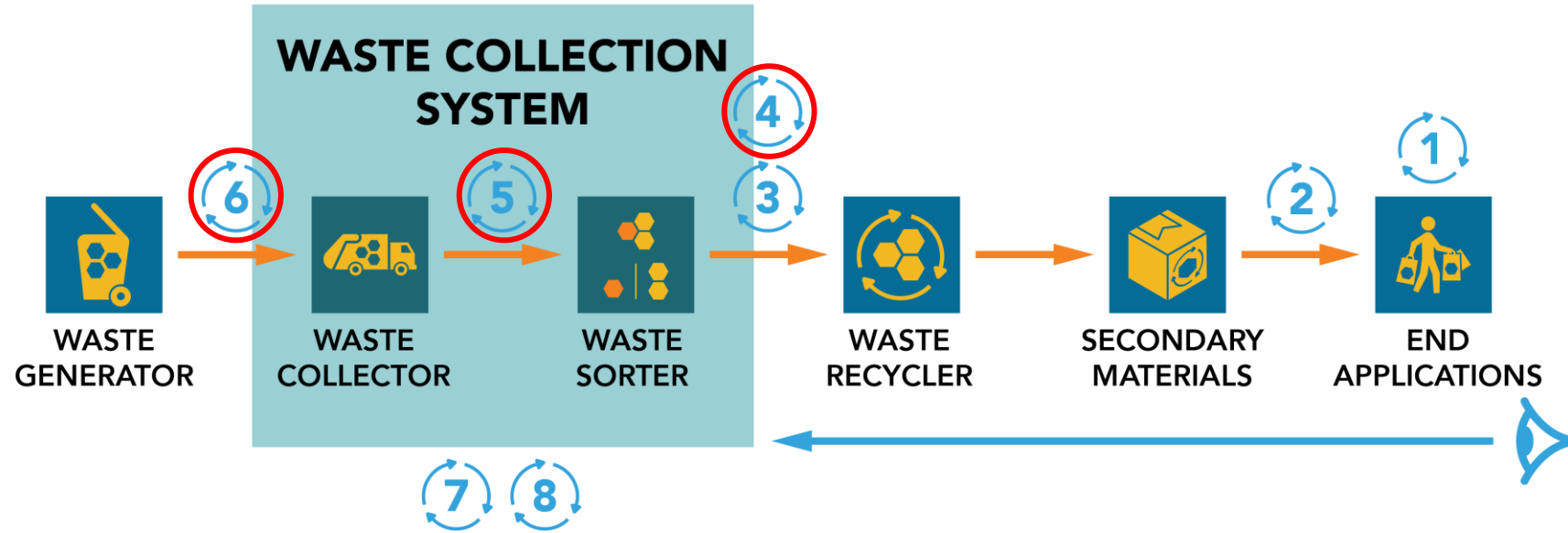
Which conditions enable the recycling value chain to produce more value, by producing more (quantitative) and/or better (qualitative) secondary materials?



- | | |
|---|--|
| 1 MARKET/DEMAND
for secondary materials or for end applications | 5 QUALITY OF WASTE
quality requirements / uncertainty & stability |
| 2 MANUFACTURING INFRASTRUCTURE
with feedstock flexibility to absorb/use sec. materials | 6 TRACEABILITY
proxy for quality |
| 3 SORTING AND RECYCLING INFRASTRUCTURE
availability of this infrastructure | 7 POLICY OBLIGATIONS
such as recycling targets |
| 4 SUPPLY
minimum amount | 8 ECONOMICS
costs ≤ revenues for each link in the value chain |

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Focus on CDW

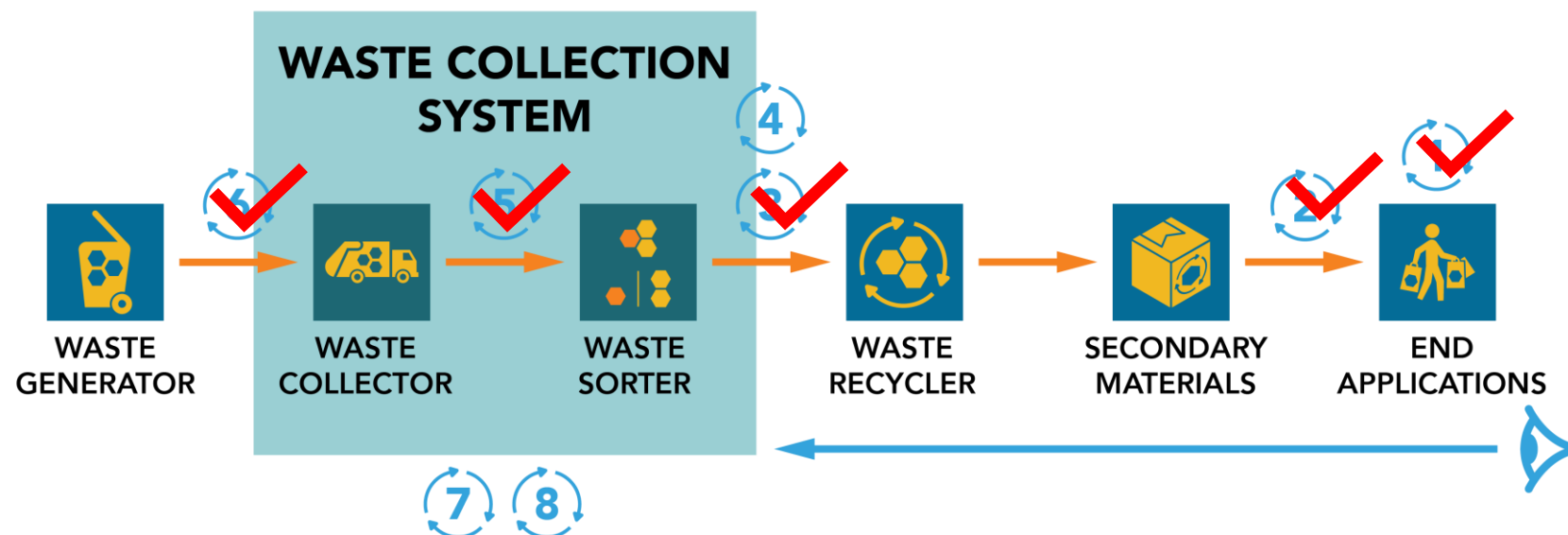
2 cases

- Reimerswaal, focus on gypsum
- Odense, focus on bricks



Figure 3: The CDW case studies: Odense (DK) and Reimerswaal (NL)

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OUR CONSORTIUM



Thank you!

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For more info about the project visit the COLLECTORS website at www.collectors2020.eu