



6. THE CHALLENGES OF STANDARDIZATION IN CIRCULAR ECONOMY

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1. Plastics circularity through standardisation

- Standardisation structure- From linear to circular
- Circular Plastics Alliance related to standardisation
- Conclusion

Plastics in CEN



Plastics in CEN



Horizontal communication



Horizontal communication



Horizontal communication



Circular Plastics Alliance & Standardisation Request

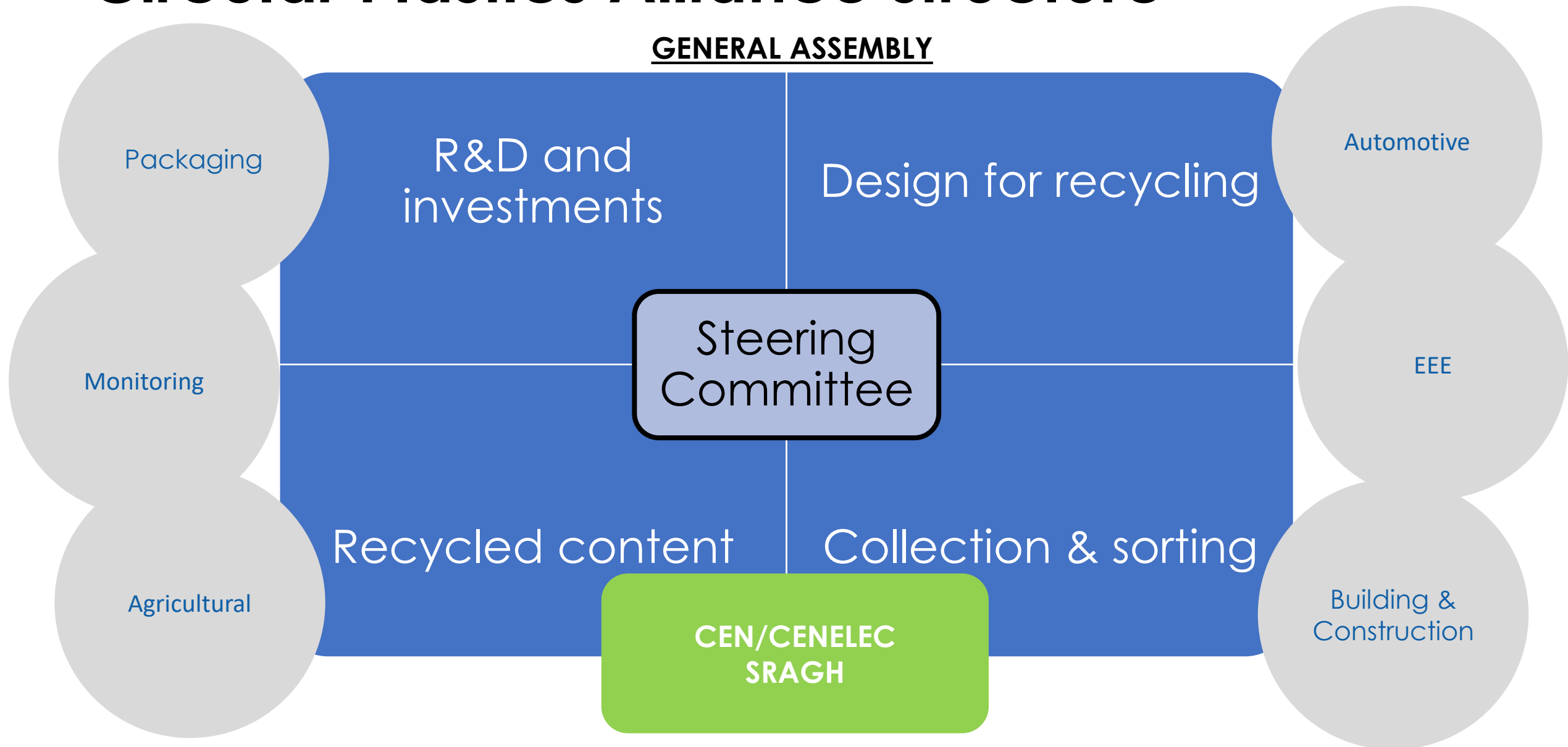
Scope

Making plastics more circular will reduce plastic pollution. This is a priority for the EU. Recycling more plastics is paramount. The Circular Plastics Alliance gathers public and private stakeholders in the plastics value chains to promote voluntary actions and commitments for more recycled plastics. **The Circular Plastics Alliance wants to ensure that 10 million tonnes of recycled plastics are used to make products in Europe in 2025.**



Circular Plastics Alliance structure

GENERAL ASSEMBLY



Packaging

R&D and investments

Design for recycling

Automotive

Monitoring

Steering Committee

EEE

Agricultural

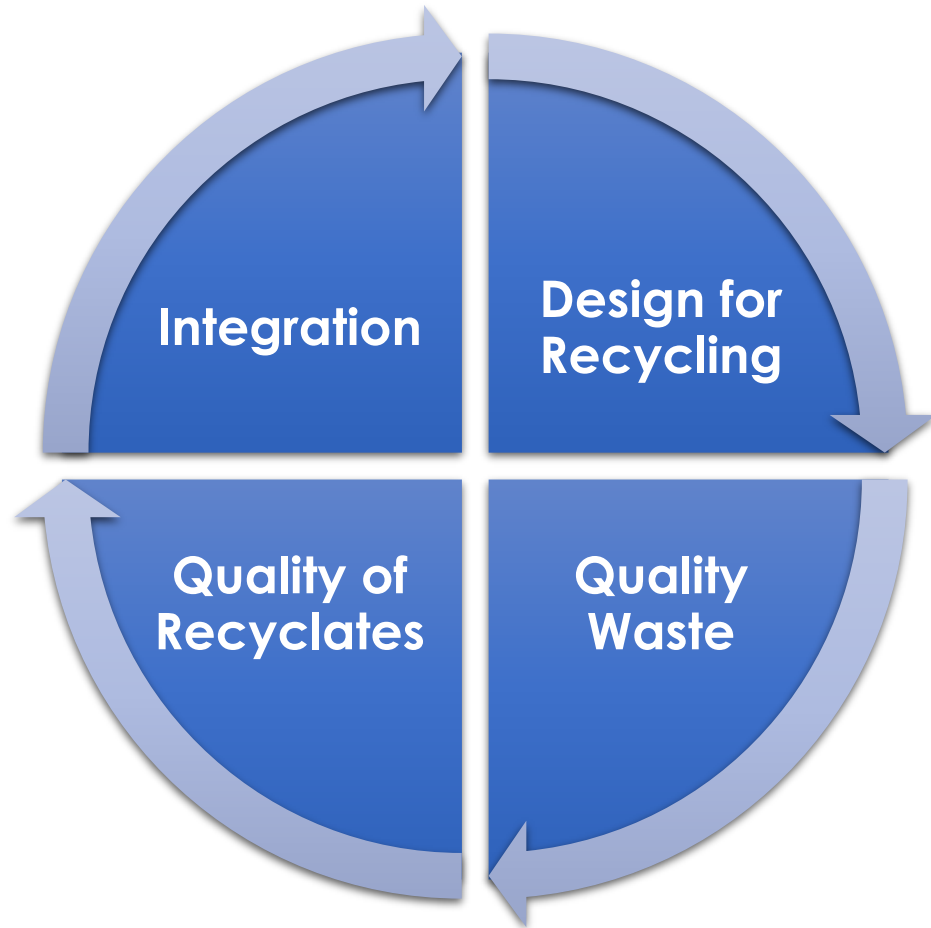
Recycled content

Collection & sorting

Building & Construction

CEN/CENELEC
SRAGH

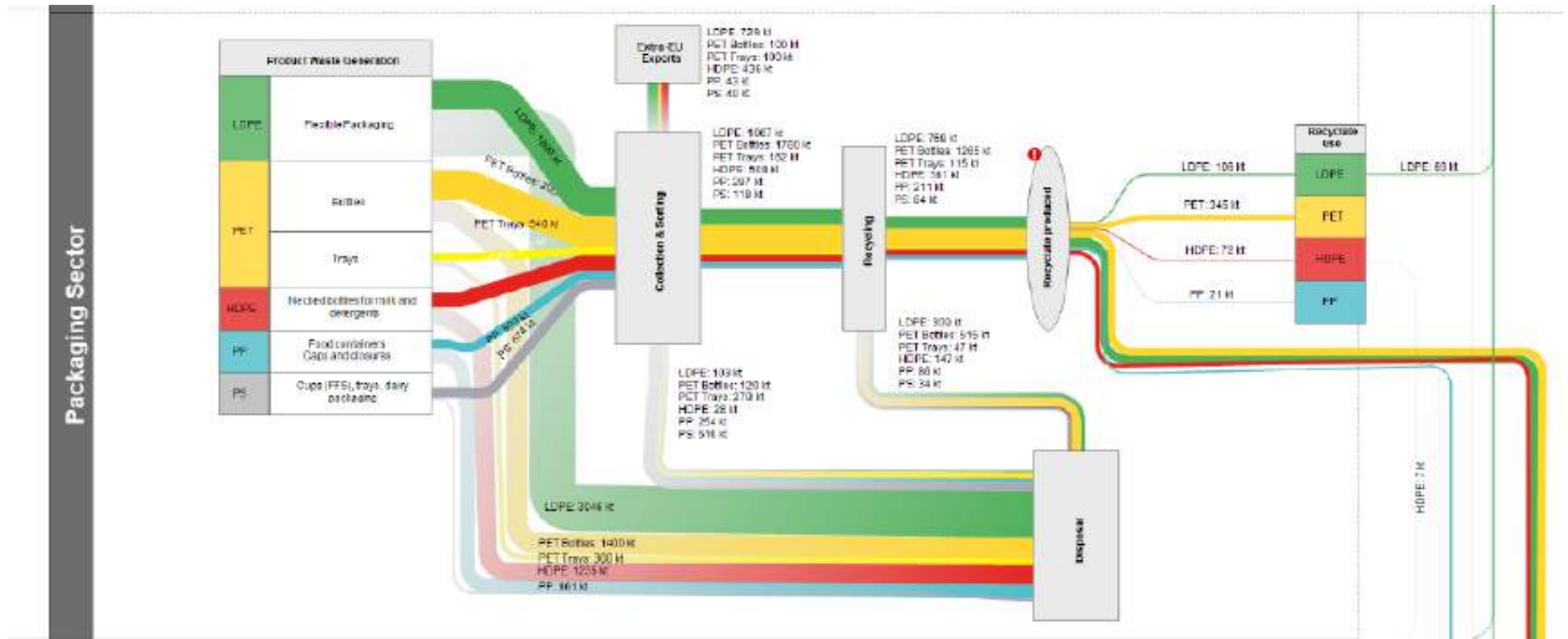
Scope of Standardisation Request



- Excluded:

- Recycled content calculation
- Mass balance

JRC mass flow model



Structure CPA preparations for SR

D4R

Packaging

- PO flex
- PO rigid
- PS
- PET
- EPS

Agriculture

- Mulch films
- Small tunnel films
- Greenhouse films
- Irrigation pipes
- Silage films
- Balewrap nets
- Twines
- Non-woven
- Barrier films
- Covering films

Building & Construction

- Insulation
- Cables and cable conducts
- Films, sheets & membranes
- Flooring
- Pipes & fittings
- PVC window profiles & doors

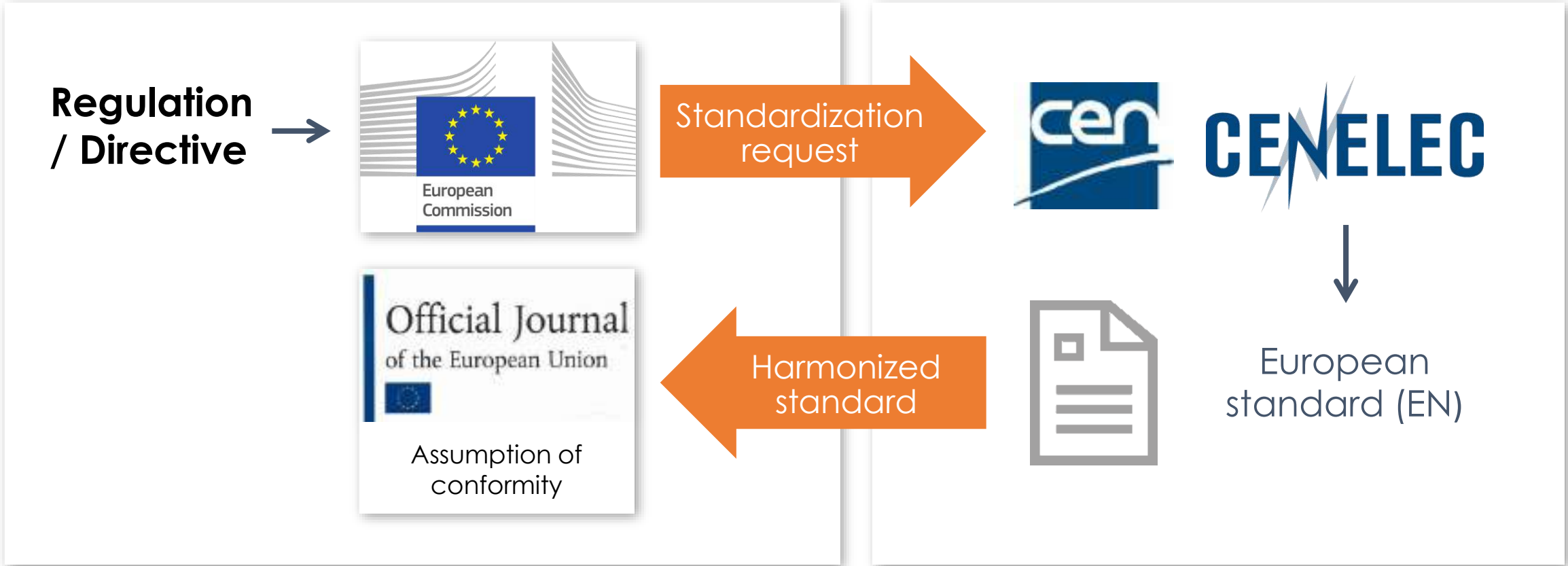
EEE

- PP washing machine tubs
- ABS housing parts
- PS refrigerator liners

Automotive

- Shredding

Standardization request linked to legislation



Standardization request not linked to legislation



Content Standardisation Request

- Recyclability evaluation
- D4R evaluation
- 29 D4R product material specifications

- *General classification evaluation*
- 7 standards for material streams

Totally 58 standards:

47 new

11 revised

- 9 standards for quality requirements for application of plastic recyclates in products

- 2 material related standards
- 5 *characterisation standards*

Design for Recycling

Quality Waste

Integration

Quality of Recyclates

Conclusion of identified needs

- Circular plastics is a global change
- Linear structures needs to adapt to circularity
- Circularity will happen! With standardisation organisations adapting and moving **with** the change, it will be done in structured and globally through agreement



Thank you!

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