



The Role of the Waste Management Sector in EPR Systems - Perspectives from Waste Managers and Recyclers

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Part of the Schwarz Group



Schwarz Gruppen interne Dienstleistungen (Spartenbetreuung, Energie- und Umweltmanagement)



Operatives Geschäft in den Bereichen Abfall- und Recyclingmanagement



Verpackungen aus der Silphie-Pflanze – Alternativer Rohstoff für die Papierherstellung



Innovative Logistiklösungen (HHP, NEP)

Waste Management Segments with EPR-Schemes (... in Europe)



Table 1: Overview of all existing EPR schemes in the EU-28 in 2013

MS	Batteries	WEEE	Packaging	ELV	Tyres	Graphic paper	Oils	Medical waste, old/unused medicines	Agricultural film	Other
AT	X	X	X	X	X	X	X	X		
BE	X	X	X	X	X	X	X	X	X	Disposable plastic kitchenware; photo-chemicals
BG	X	X	X	X	X					
CY	X	X	X	X	X	X	X			
CZ	X	X	X	X						
DK	X	X	Δ	X	X	X				
EE	X	X	X	O	X			O		
FI	X	X	X	X	X	X		X	X	
FR	X	X	X	X	X	X		X	X	Fluorinated refrigerant fluids; pharmaceuticals; lubricants; textiles; infectious healthcare waste; furniture; dispersed hazardous waste; plant protection product packaging and unused products; fertiliser and soil amendment packaging; seed and plant packaging; mobile homes; office equipment ink cartridges
DE	X	X	X	O			X		X	
GR	X	X	X	X						

https://ec.europa.eu/environment/archives/waste/eu_guidance/index.html

Waste Management Services in EPR-Systems: Household and Commercial Packaging



Relevant Packaging Material

Plastics: rigid and flexible packaging

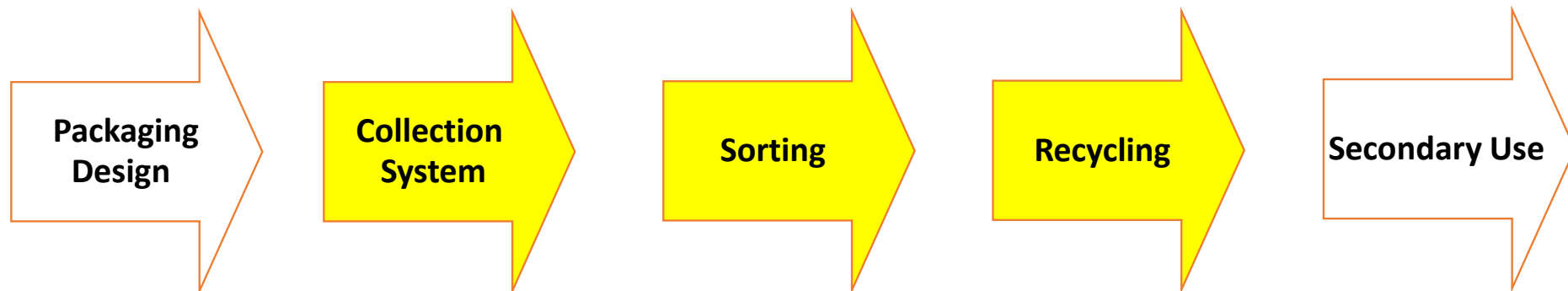
Paper packaging and compounds

Drinking cartons

Metal packaging: tinplate and aluminium

Wood (mainly commercial)

Bottle glass



New - and additional – collection systems



Sorting Packaging Waste
youtube → “PreZero Sorting Zwolle”

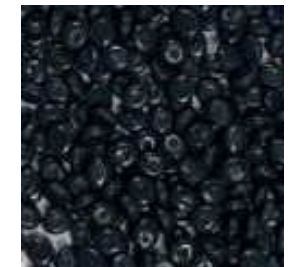


Plastics Recycling



From **post-consumer and industrial waste...**

...to custom-fit plastic recyclates



Development of New Secondary Raw Material Markets



Plastics: rigid and flexible packaging

- material recycling
- energy recycling

Paper packaging and compounds: paper industry

Drinking cartons: paper industry, plastics industry

Metal packaging: tinplate and aluminium - steel and aluminium industry

Wood (mainly commercial): biomass; timber products

Bottle glass: glass industry



Thank you for your interest !



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