



IV ENCONTRO NACIONAL LIMPEZA URBANA

Roadmap para Cidades Competitivas e Atrativas

3 e 4 novembro 2022

RIA PARK HOTEL & SPA, ALMANCIL – LOULÉ





www.associacaolimpezaurbana.org

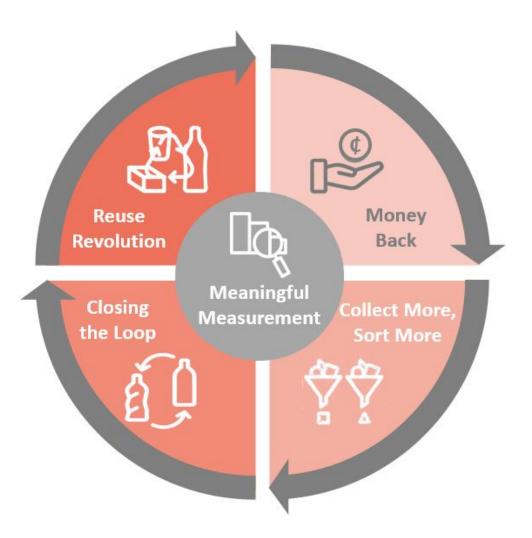


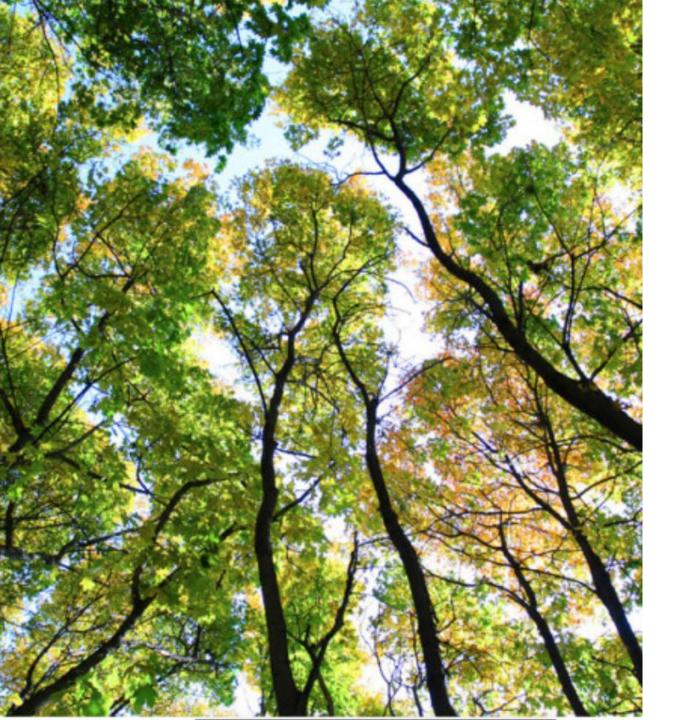
Impact of Deposit Return System on Urban Cleaning

Clarissa Morawski Reloop

About Reloop

Reloop is an international non-profit organization that brings together industry, government and NGOs who share a vision of a system where resources are kept in continuous use and waste and pollution are eliminated.





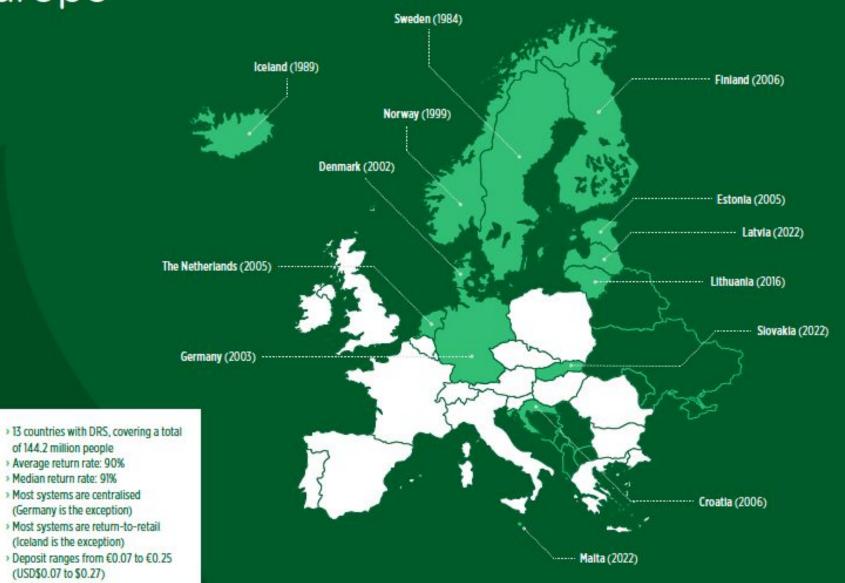
Today's Presentation

Video – 2.2minutes – What is DRS?
A look a DRS globally
Developments in Europe – timeline
Key considerations
Ecological impacts
Impact on municipalities

2.2 minutes – what is DRS?

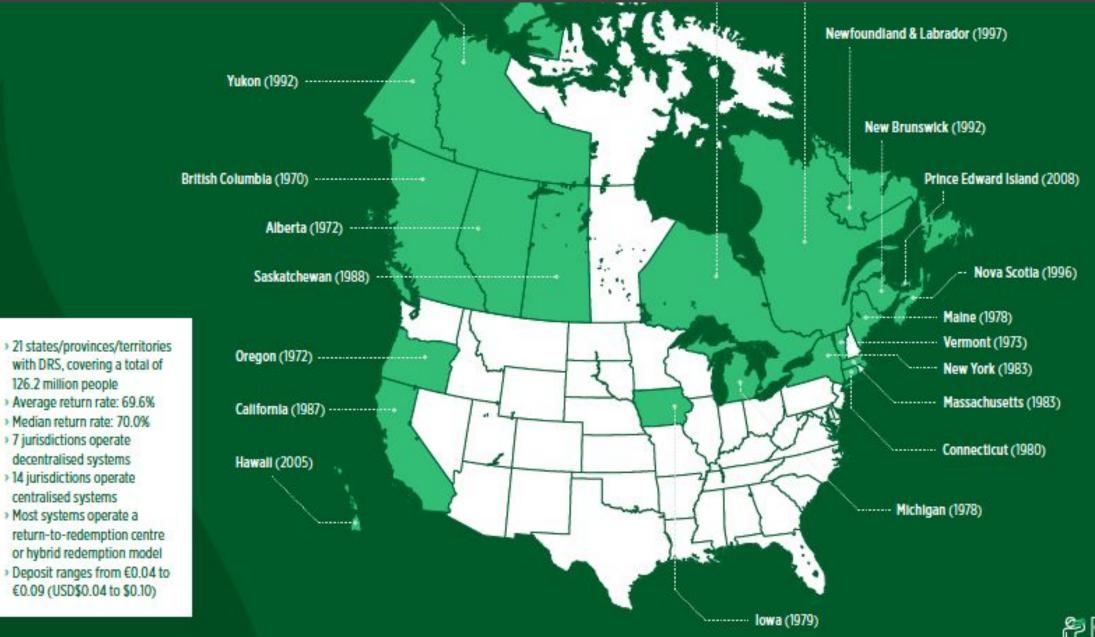
A look a DRS globally

Europe



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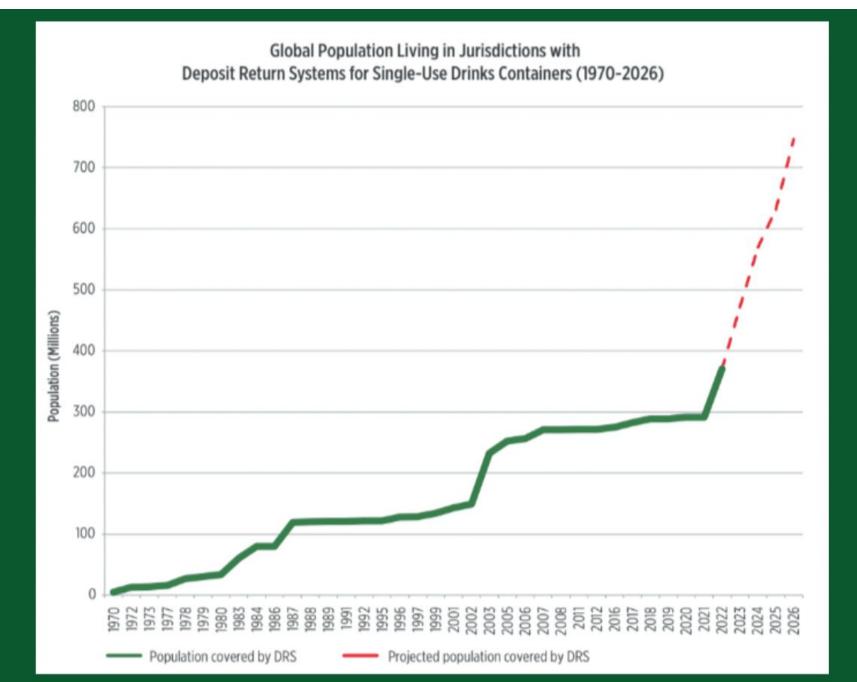




with DRS, covering a total of 126.2 million people Average return rate: 69.6% > Median return rate: 70.0% 7 jurisdictions operate decentralised systems 14 jurisdictions operate centralised systems Most systems operate a return-to-redemption centre or hybrid redemption model

Region snapshot

PP



Packaging types in the existing European DRS systems

Country	Plastic	Metal	Glass
Croatia	٠	•	•
Denmark	•	•	•
Estonia	•	•	•
Finland	•	•	•
Germany	•	•	•
Island	•	•	•
Lithuania	•	•	•
Netherlands	•	•	
Norway	•	•	
Sweden	•	•	
Latvia	•	•	•
Slovakia	•	•	
Malta	•	•	•

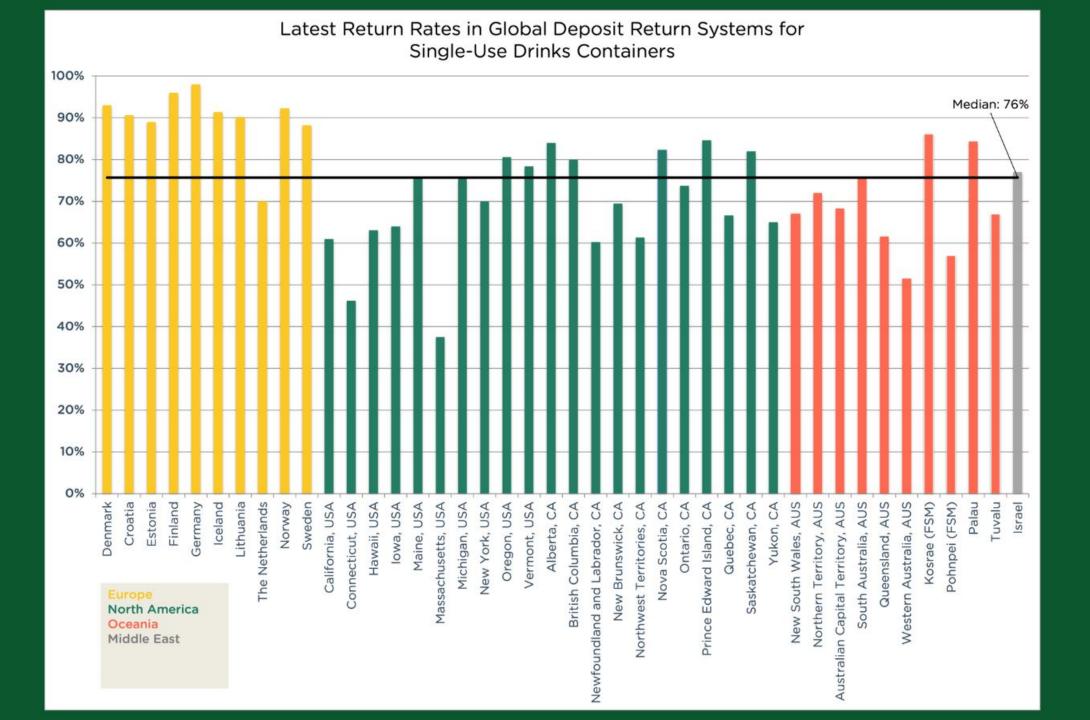
Products in the deposit systems





	Croatia	Denmark	Estonia	Finland	Germany	Iceland	Lithuania	Netherlands	Norway	Sweden	Latvia	Slovakia	Malta
Water (still, sparkling)	•	•	•	•	•	•	٠	•	•	•	•	•	•
Soft drinks	•	•	•	•	٠	•	٠	•	•	•	•	•	•
Juices and nectars	•		•	•	•	•	•	•	•		•	•	•
Beer	٠	•	•	•	•	•	•	•	•	•	•	•	•
Cider	•	•	•	•	•	٠	•	•	•	٠	٠	•	•
Alcohol beverages	•	<10%	<6%	•	•	•	•		•	•	<6%	•	<10%
Wines	•			•		•	in PET		•			•	
Liquors	٠			•		٠			٠				
Spirits				•									
Milk	<0,2l				٠			•					

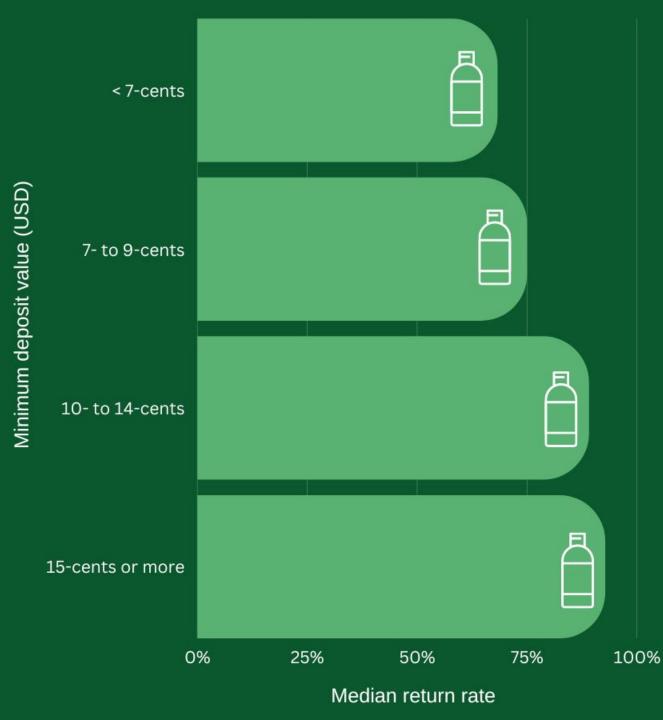




By the end of 2026, at least 70 jurisdictions, representing over 748 million people, will have a DRS for single-use beverage containers



relator resources remain resources



Higher deposits = higher returns



Global Deposit Book 20

An Overview of Deposit Return Systems for Single-Use Beverage Containers reloop

www.reloopplatform.org

Key considerations

DIGITAL DRS





Digital Deposit Return Systems: What You Need to Know

Reloop fact sheet | January 2022



https://gov.wales/sites/default/files/publications/2022-08/evaluation-of-digital-technology-in-a-deposit-return-scheme-phase-2-final-report.pdf

INCENTIVE SCHEMES DISGUISED AS DRS

BEERCHOS

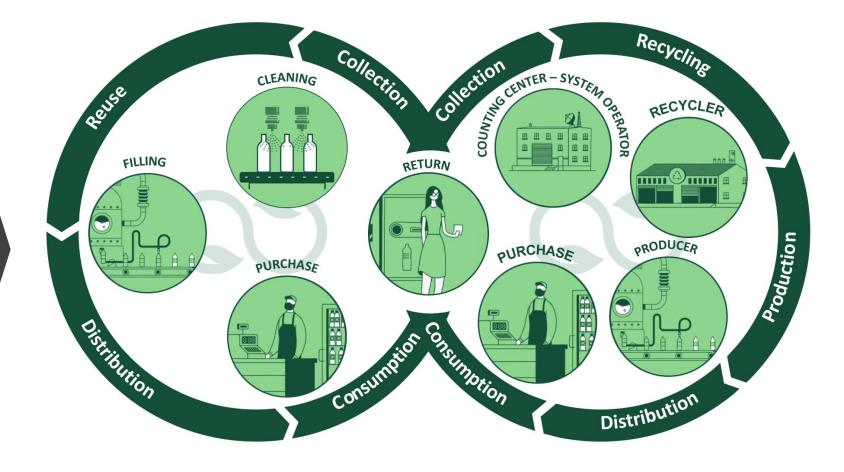
Cómo funciona Quiénes somos Reciclaje Premios Testimonios

La app que te premia por reciclar

Únete reciclando latas y botellas de plástico y gana fantásticos premios o dona a proyectos sociales.



REFILLABLES



Impact on municipalities

66

One of the main benefits of deposit return systems—and one that cannot be accomplished without them—is litter reduction.

Attaching a monetary value to beverage containers, in the form of a refundable deposit, decreases the likelihood that they will be littered in the environment, as consumers will be motivated to return them for recycling to claim the refund.



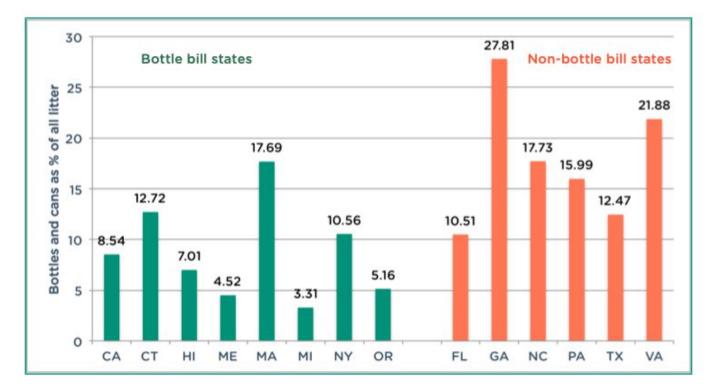


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- Europe, the total cost of cleaning up litter on land alone is estimated at €10 billion to €13 billion per year
- USA, with new deposit systems, container litter reductions have consistently been between 70% and 84%
- Total litter containers as a percentage of total litter in Hawaii, found a 60% reduction within three years
- According to the NSW Government, prior to DRS, drink container litter made up 44% of the volume of litter in the state. Now, the DRS has contributed up to a 57% reduction of drink container litter by volume and an annual average of 40% reduction compared to pre-scheme litter levels.

Bottles and Cans as a % of litter

Figure 2 Bottle Bill States vs. Non-Bottle Bill States: Litter from Bottles and Cans





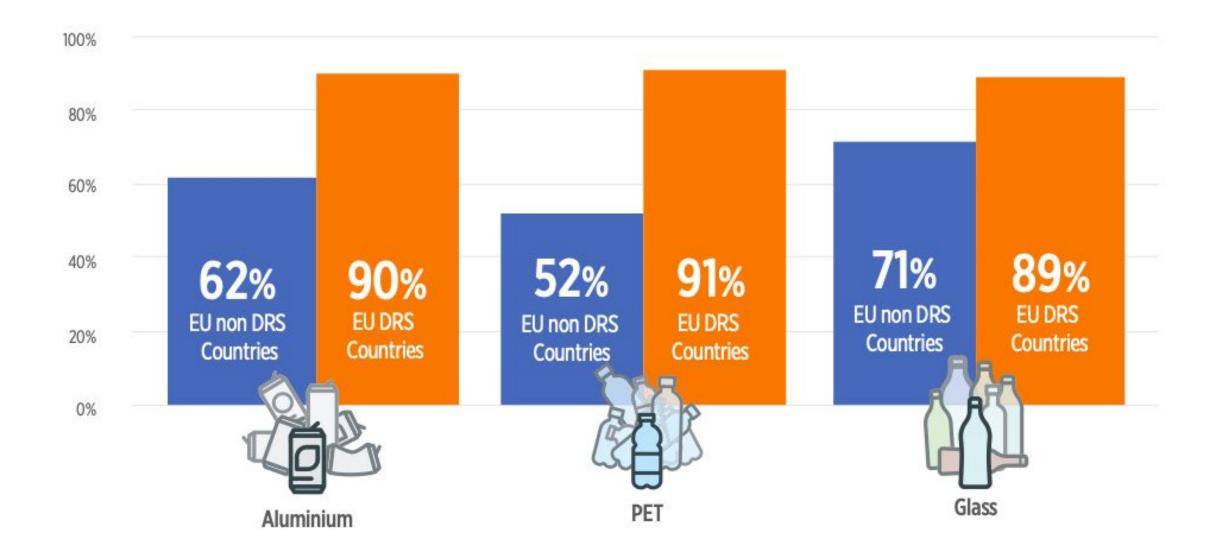
But what about local authorities?

<u>All 33 Studies show "net savings" for municipalities</u>

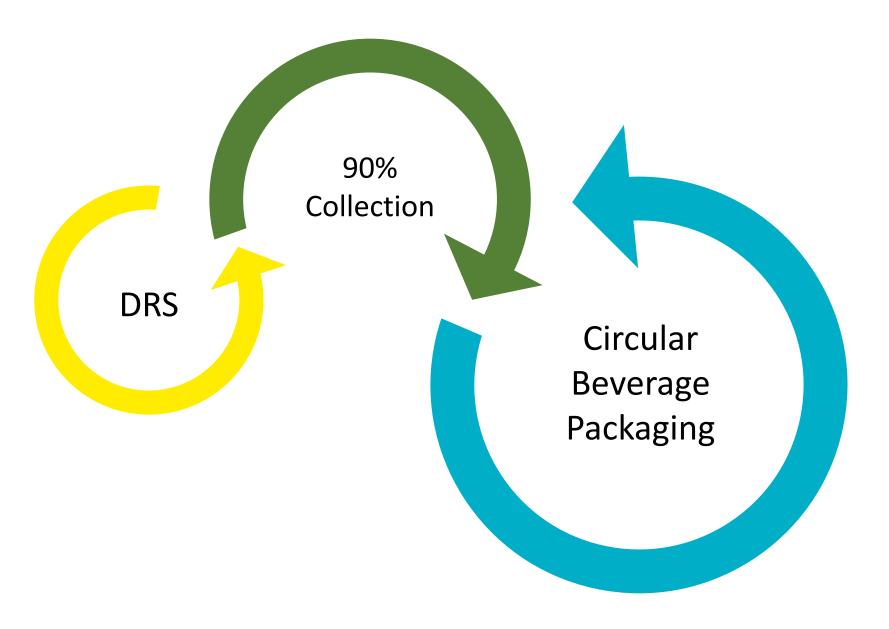


Ecological impacts

Figure 1: Average recycling rates by material, EU DRS vs Non-DRS countries







connecting waste to climate change



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Target 90: The dual-action approach for circular drinks packaging in Europe











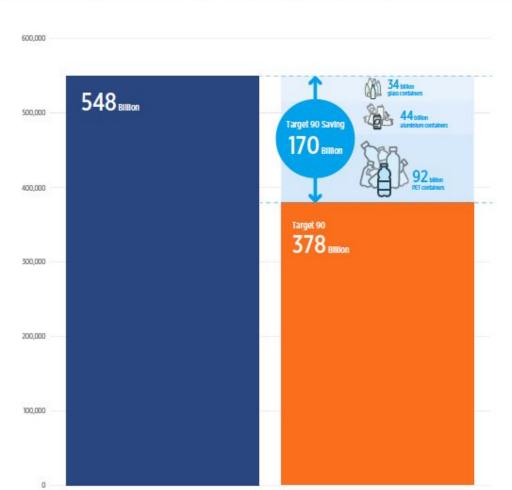
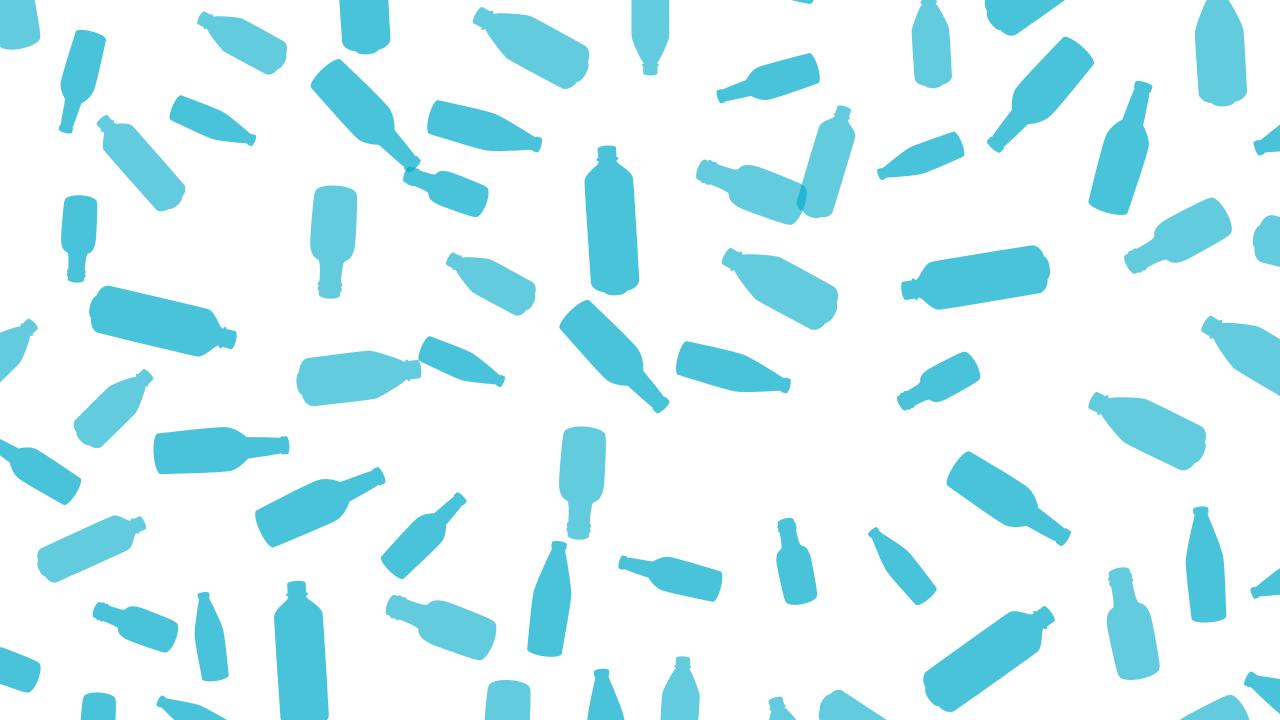
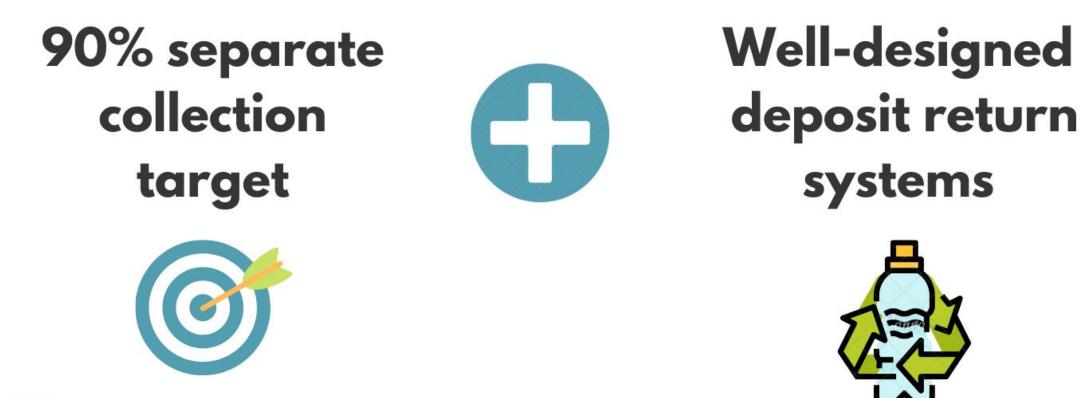


Figure 4: Cumulative Total Containers Wasted (Billions) 2022-2030 EU27 - Status Quo vs Target 90

Produced by Reloop using data and insights provided under license from GlobalData PLC.



Our proposal to accelerate a circular economy for beverage packaging



#Target90

Você vai participar também?

3

3

100 % Elétrico



3

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Você vai participar também? Obrigada !

www.roloonplatform.org