



The Irish Waste Management Conference 2017

Future Proofing our Packaging Recycling Needs

Séamus Clancy

Business funding recycling



REPAK 

REPAK LTD (Ireland's Packaging Recovery Compliance Scheme – Not for profit)

1997 – Business – Waste Packaging Directive – Fund Recycling & Recovery of Waste Packaging



20 years of business
funding recycling



2017 Members 2200 - Legal Compliance – National Recycling & Recovery Targets – Education (Behavioural Change)

Approval to 2020

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Repak 1997 to 2017



Recycling 15% to 68%

Recovery 15% to 91%



1.2 million Bins



5,025 waste sector jobs supported

8,666,387 tonnes recycled

1,375,333 tonnes recovered



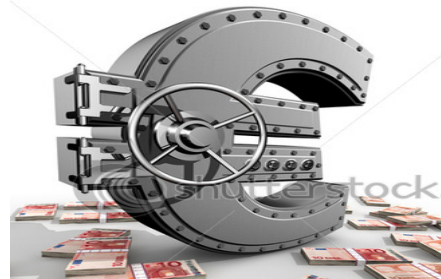
Circa 250,000 tonnes saved annually

10m tonnes diverted from landfill

126no – 4no.



€400m invested in recycling



1,848 no.



118 no.



Met all EU targets
5th in EU league


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Global & National Demands



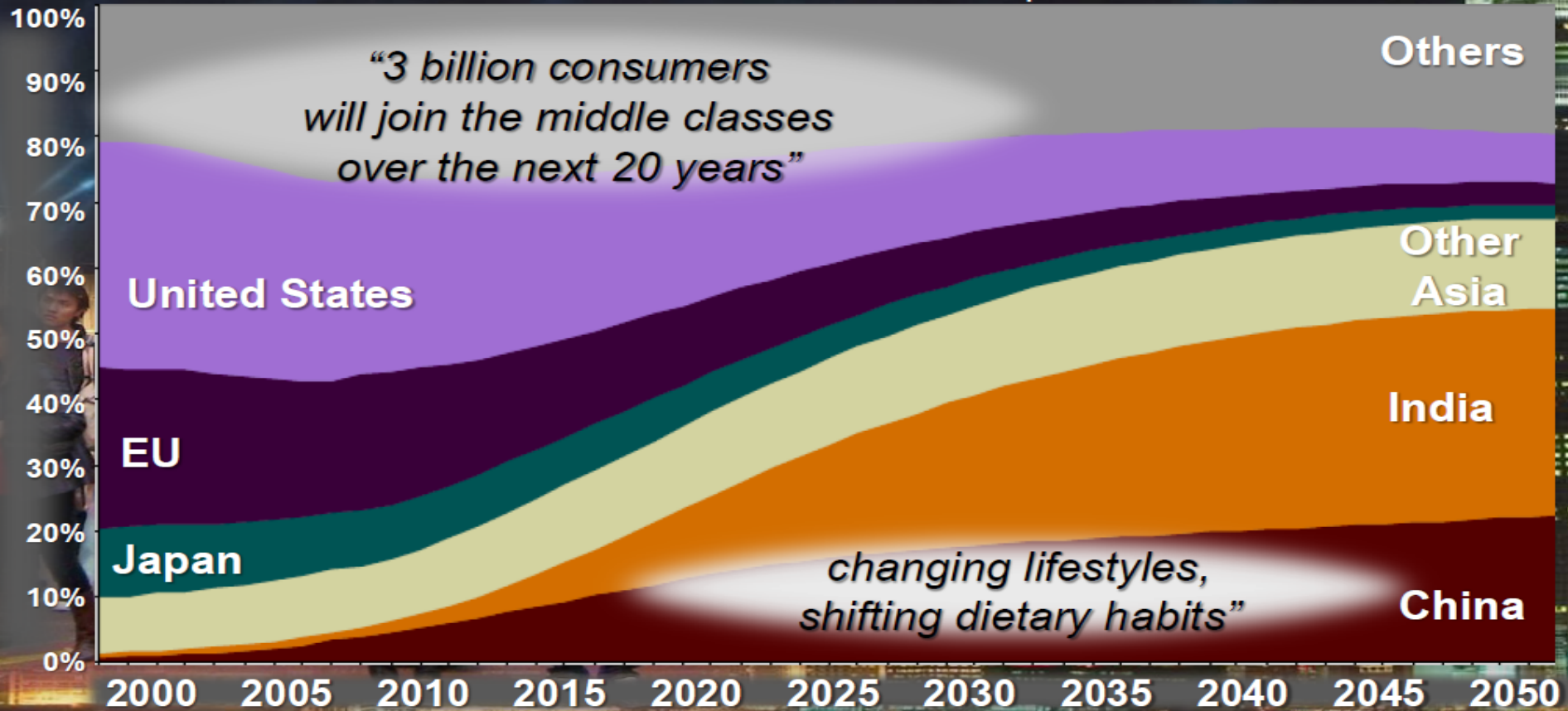
What NEXT – Biggest Challenge



By 2037, the planet will need to produce 40% more food, with less land, water and energy while also reducing green house gas emmissions

India and China Make Waves in the Global Middle Class

Shares of Global Middle Class Consumption, 2000-2050



Source: OECD Working Paper

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Water



Energy

Population
5,672,000
Yr. - 2037



Food

1. EU
2. China

1. Infrastructure Capacity
2. Recycling Capacity
3. Technology Developments
4. Consumer Education
5. Plastic Strategy



Waste



	1997	2017	2037
Population	3,710,000	4,691,000	5,672,000
MSW Tonnes	2,077,600	2,720,780	3,289,760
Packaging Waste	682,688	1,029,041	1,237,070
Landfill	126	4	1
Incinerators	0	2	4
Plastic Recycling	15%	34%	60% (55%)
Recycling	14% (102K)	68% (700k)	75%(927k)



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Recovery & Recycling

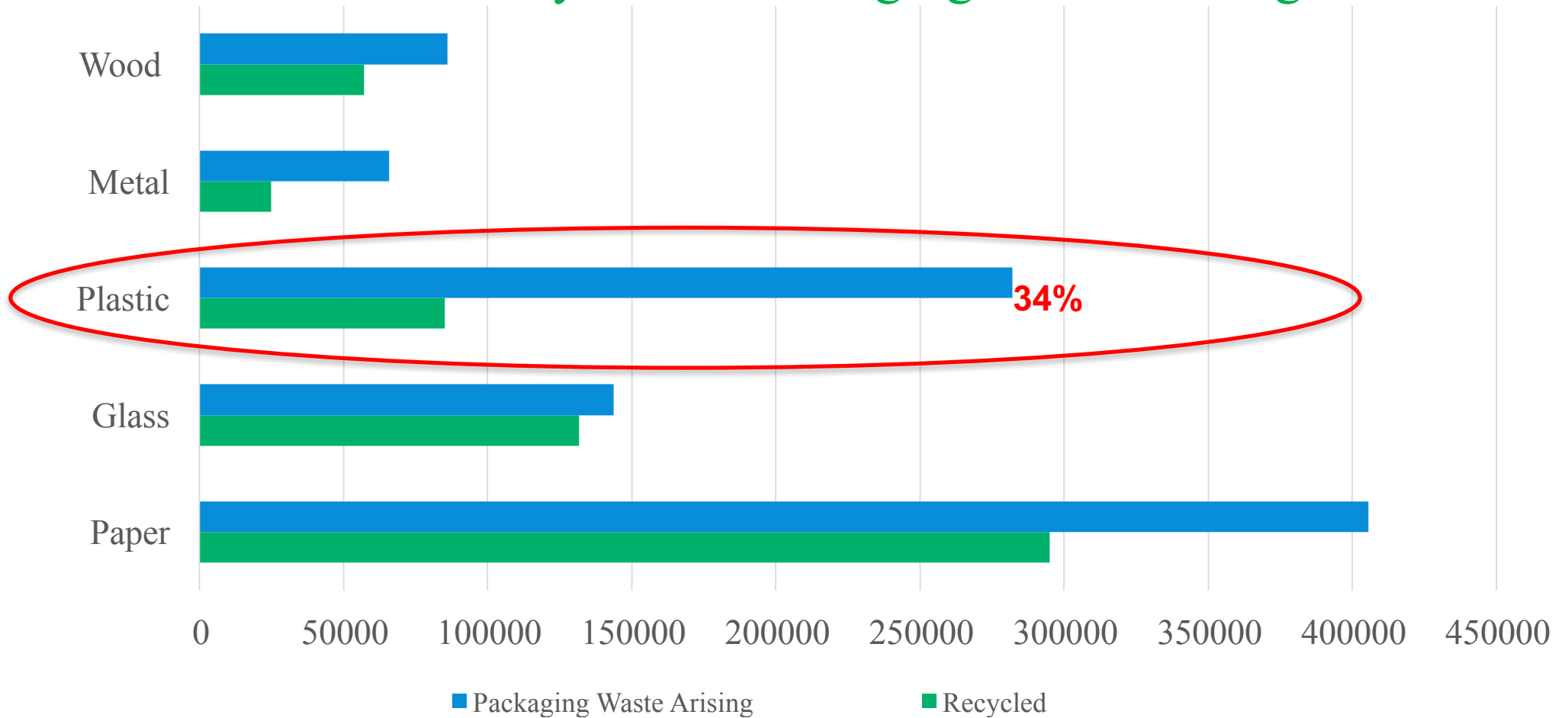
Plastic Challenge



Packaging Waste Arising 1998 - 2015

	<i>Tonnes</i>		
	<i>1998</i>	<i>2007</i>	<i>2015</i>
<i>Paper</i>	300174	408871	405677
<i>Glass</i>	111417	177475	143598
<i>Plastic</i>	168834	237685	282148
<i>Metal</i>	41131	82542	65861
<i>Wood</i>	-	107380	82036
<i>Other</i>	61132	41167	4064
	682,688	1,055,120	983,384
Recovered	14.8%	63.6%	91.4% (68%)
Population	3,710,260	4,339,000	4,673,700
Kg per Head	184	243	220

2015 Commodities Recycled V Packaging Waste Arising



Plastic Packaging Generated

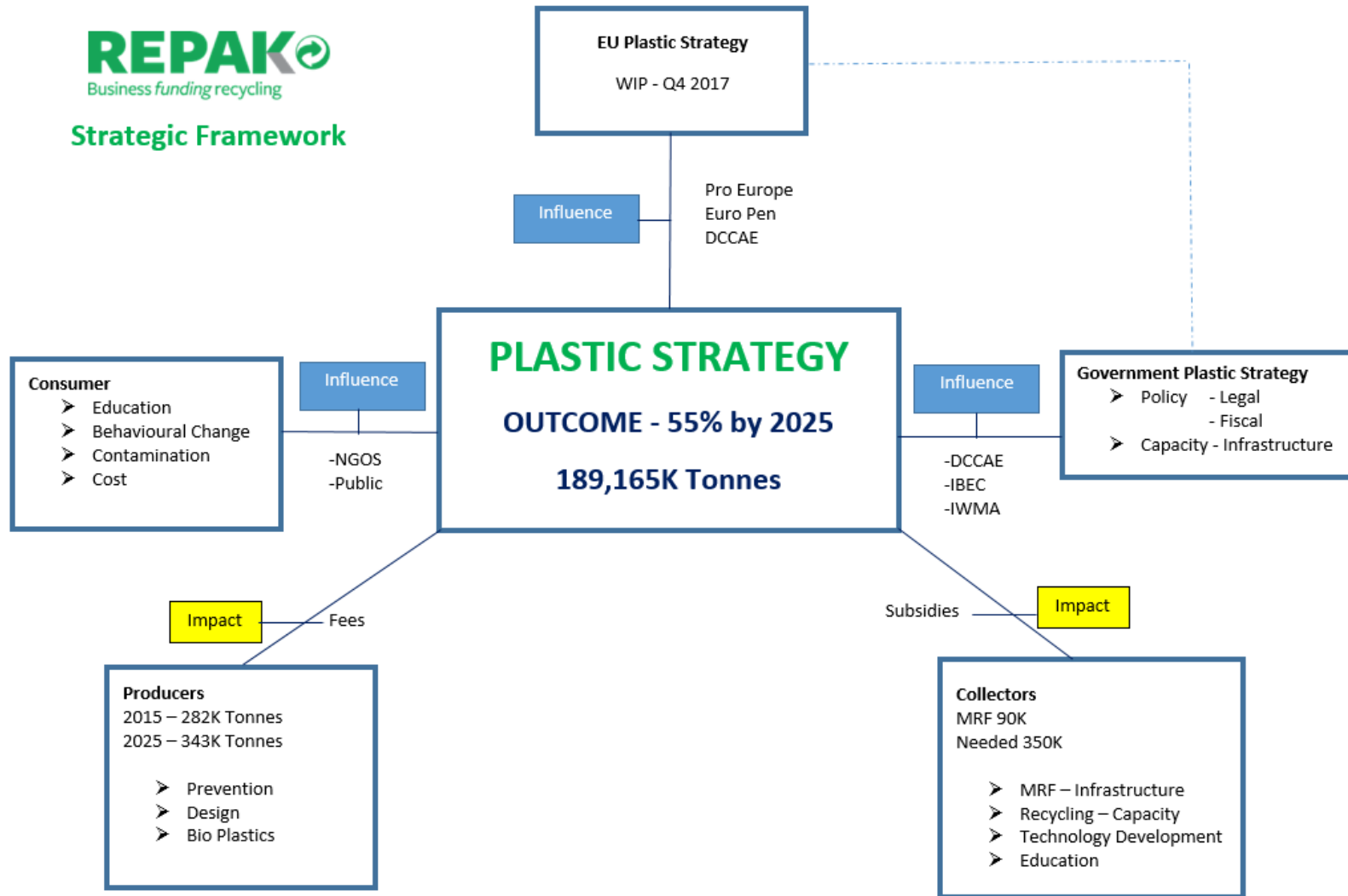
Tonnages	2015	2020	2025
Plastic Packaging Generated	282,148	311,514	343,937
Current Plastic Recycled	95,890	105,870	116,889
Percentage	34%	34%	34%
New Target Outcome		140,181	189,165
Percentage		45%	55%
Net increase above current 2015		34,311	93,275

Plastic Types Recycling estimated for 2020/2025

Tonnages	2015	2020	2025
Plastic Packaging Generated	282,148	311,514	343,937
HDPE Bottles	18,448	26,914	36,319
PET Bottles	9,086	13,317	17,706
Household Film & Trays	28,728	42,054	56,749
Commercial Film (98.2, 95.5, 90.10)	34,358	50,184	67,721
Commercial Other (PP, PE Bags, Trays)	5,309	7,712	10,670
Recycling Outcome	95,890	140,181	189,165



Strategic Framework



Summary

Ireland has performed strongly – but has major infrastructure deficit



Circular Economy needs ALL stakeholders to contribute (Industry, Consumers, Policy Makers)



European Targets - Plastic Strategy will be the new climate change issue



Cost Benefit V's long term objectives

Vision

Values



Thank You

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