# Plastic Packaging Reduction Index (PPRI): **Evaluating Fast Moving Consumer Goods Companies** Silvia Del Castillo | Supervised by Dr. Virginia Maclaren

### Background

Single-use plastics have become one of significant environmental challenges too plastics, which largely single-use packaging, become waste in landfills o environments. Both plastic and packag been identified by Fast Moving Consum (FMCG) companies as one of the mos Environmental, Social, and Governand issues to be addressed.

### **Research Questions**

The objective of this research is to develop a None of the 15 companies received a score Plastic Packaging Reduction Index (PPRI). The above 66. The company with the highest score index will assess and score how a selected group was Colgate-Palmolive with a total score of 66 of FMCG corporations are doing at reducing their that alphabetically corresponds to a "B-". Only use of plastics in consumer goods product 5 companies received a total score higher than packaging. Having the proposed Index in place, a 60, but lower than 66, these being Colgatesecond part of the research objective is to apply Palmolive, Unilever, PepsiCo, The Coca Cola the index to a sample of FMCG companies, and Company, and Nestlé. JBS received the lowest provide a final alphabetical score for each possible score being zero, as no information evaluated company. was found for any of the evaluated indicators.

- created.
- were organized into two categories: Outcomes and Enablers.
- category has an overall weight of 60%, and the Enablers category 40%.
- the company's final score out of 100.

	Results
	packaging and establish reason
	Companies must increase con
ce (ESG)	Companies must shift towards
st critical	Only null of the companies also
er Goods	enny e ear en ene re companie
ging have	<ul> <li>Percentages found for the recy</li> </ul>
or natural	are being recycled, reused or c
include	<ul> <li>Ensuring that plastic packaging</li> </ul>
day. Most	amount of plastic used in packa
the most	<ul> <li>Companies are focusing on p</li> </ul>

### Methods

Eleven indicators (8 quantitative and 3 qualitative scored on a binary (yes/no) scale) were

• All indicators were scored on a scale of 0-100, with 100 being the best score possible. Following the Ellen MacArthur Foundation (EMF) Circulytics method, the framework's indicators

A weighting system was developed. Each category has a different weight. The Outcomes

• Using the total scores in both categories, a weighted average was calculated which resulted in

• Following the Circulytics numerical to alphabetical score conversion table, a final lettered score was assigned to each of the companies with A being the highest and E the lowest score

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## **Key Findings**

packaging being reusable, recyclable, or compostable, rather than reducing the aging or using recycled material.

g is recyclable, reusable or compostable does not necessarily mean that the packages composted.

cled material used in plastic packaging indicator were very low (38% to 0.3%) s reported on metrics or initiatives on plastic collection or recovery. closed being actively working on developing alternative packaging a more circular approach in which the same three terms are used in the past tense isistency in reporting on the metrics of how much plastic is being used in product nable targets

			SCOR
	Colgate- Palmoliv	B-	
	Unilever	B-	
	PepsiCo	B-	
	The Coca Cola Company	B-	
	Ne stlé	B-	
	L'Oréal	B-	
	Henkel	С	
	Danone	С	
	Monde le z	С	
	Kraft Heinz	С	
	Mars Inc	C-	
	P&G	C-	
	AB In Bev	D-	19
	Tyso n Foo ds	E	5
	JBS	E	0

### References

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FMCG PLASTIC PACKAGING REDUCTION RECARD