

## Fundamental objectives for the PET Industries: running several hares at once

Petcore Europe Annual Conference 2023 Srinivasan Prabhushankar (Shankar)

"Reimagining Chemistry Together To Create A Better World"

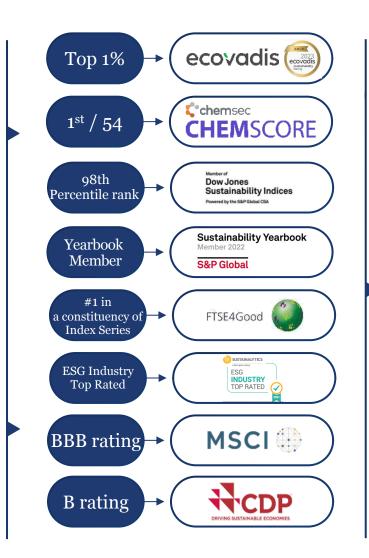
# Indorama Ventures Overview (IVL:Bangkok)

One of the world's leading PET producers & recyclers:

Presence in **35 countries** 

1 in 5 PET bottles made from our PET resin 140 Manufacturing facilities

26,000+ employees



#### **2025 Global Commitment**

# Incorporate >750 KTA

of post-consumer PET material as feedstock into our rPET production per year

Recycle

**50** billion bottles per year

Invest \$1.5B

Leverage 30+ yrs of recycling experience

# Committed to invest \$640M by 2030 to lower our emission





# **Recycling Leadership**

# Vision

"To maintain PET as a trusted and safe material"

# 2025 Global commitment

In 2019, we made a global commitment to the Ellen MacArthur Foundation.

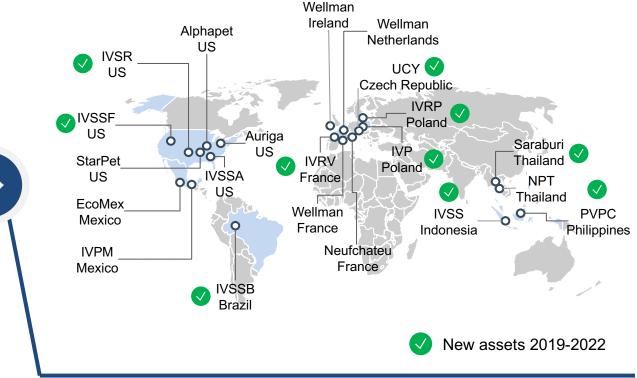
Recycle 750,000 tons of post-consumer PET bale input

Recycle50 billion bottles per year

Invest US\$ 1.5 billion to build and expand recycling facilities



# IVL continued to expand recycling footprint despite pandemic, adding 9 new assets





# Social, political and competitive pressures are driving sustainability

Consumers demanding sustainable packaging



Consumers' view climate change as a major threat.



62% of consumers agree it is important to buy products in environmentally friendly packaging

61% of consumers agree it is important to buy products in recyclable packaging Laws requiring recycled content, better collection & less waste

#### **Design requirements**



Minimum recycled content, attached caps, design for recycling

#### **Collection targets**



90% PET bottles collection

#### **Fiscal Measures**



"Plastic Taxes", levies and changes

Sustainability and recycled content as a commercial advantage



35% recycled content in bottles by 2025



By 2025, 50% recycled content in water and beverage bottles; and 100% for Evian bottles



At least 50% recycled material in packaging by 2030.



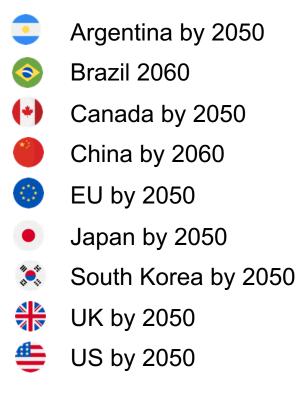
25% recycled content in plastics packaging by 2025



Source: Consumer Insight Report by Amcor (2020), Industry Data, Brand owner websites, Press searches, BCG consumer survey

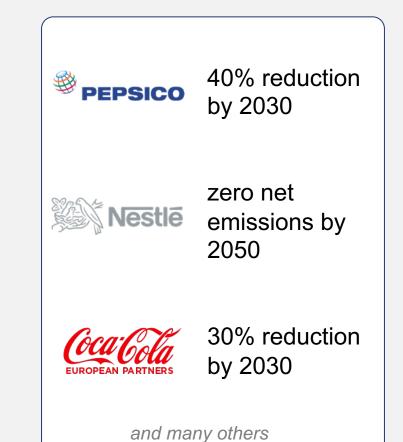
# PET's carbon advantage is helping us all reach our sustainability targets

# Governmental net zero targets



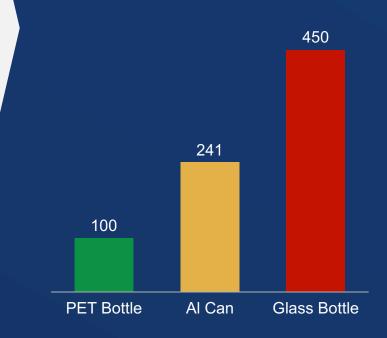
and many others<sup>1</sup>

Corporate targets to carbon reduction



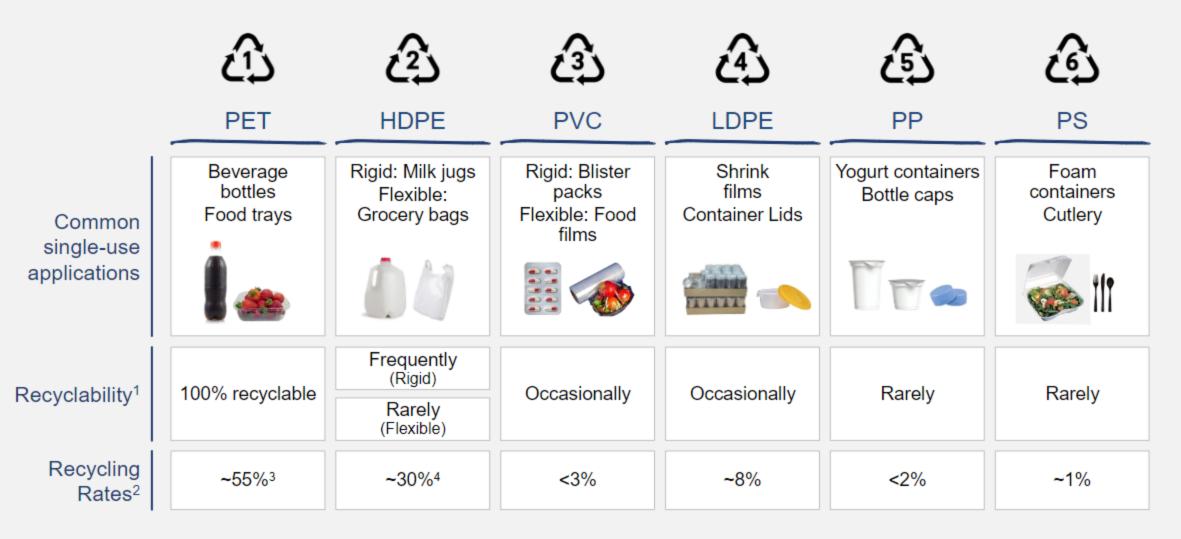
...Due to the low carbon footprint of PET and rPET, nation states and industry is turning to PET over alternative materials

GHG Emissions (PET 0.5 L CSD = Indexed)<sup>2</sup>



Note: (1) More countries can be found at <u>www.climatechangenews.com/2019/06/14/countries-net-zero-climate-goal/</u> (2) Based on collection rate: PET 53%, Aluminum Can 63%, Glass 64% (Europe) - Source: Sidel

PET is the most recycled plastic polymer used in packaging



1. Based on mechanical recycling technology; 2. US & EU average recycling rates except for LDPE for which the data is EU only; 3. PET bottles; 4. Rigid HDPE containers Note: Pictures are for illustrative use only; Figures are as of 2020E Source: Industry Data, IVL Analysis



## Our 2030 vision is aligned with global sustainable trends





## Investment in infrastructure drives the circular economy for PET



## **Global Recycling Education**



CONTENT	ΤΟΡΙΟ		
	Beginner Lesson	Intermediate Lesson	Advance Lesson
<b>Level 1</b> (Pre- Kindergarten to Grade 2)	Introduction to Recycling	What can you recycle?	Find it, Recycle it
Level 2 (Grades 3-5)	Recyclable, Non-Recyclable, and Potential Recyclers	Where does the trash go?	What Can You Make From Recycling?
Level 3 (Grades 6-8)	Waste Leakage in the Environment	A Waste Hero's Story	My Waste Audit
<b>Level 4</b> (Grades 9-10)	Linear vs Circular Life Cycle	Creating the Circular Economy	Circular Design Challenge
<b>Level 5</b> (Grades 11-12)	Circular Case Study	Redesign for Circularity	Circular Economy Model Canvas
Level 6: Workshop & SDGs (Universities & Youth Clubs)	<ul> <li>Workshop 1: Problem Tree</li> <li>Workshop 2: Mind Mapping</li> <li>Workshop 3: Circular Business Model Canvas</li> <li>SDGs Workshop</li> </ul>		



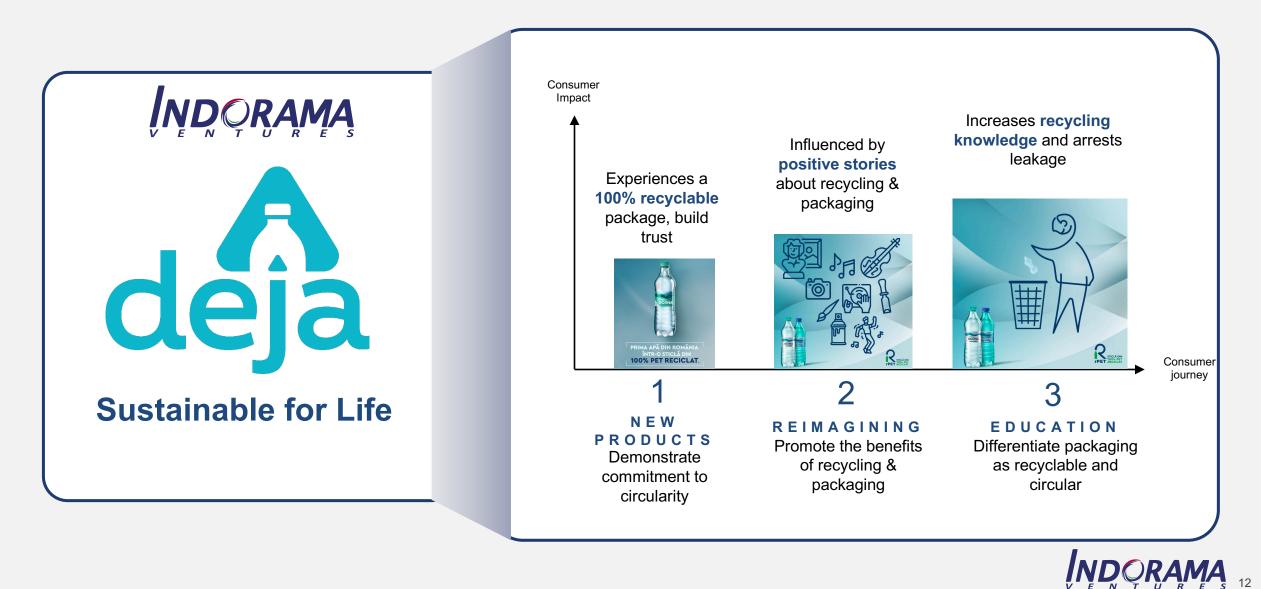
## **Example of Global Recycling Education Materials**



(#) ©Indorama Ventures PCL

Our vision: To be a world-class chemical company making great products for society.

## Introducing Deja as a sustainable PET brand







# Thank you & stay safe



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