



Plastics Conference

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The company in a snapshot

Presence in
35
countries

148
Manufacturing
facilities

Consolidated
revenues of
\$18.7B
(FY2022)

26,000+
employees

Indorama Ventures Public Company Limited (IVL) is a global chemical company based in Thailand. Founded by Group CEO Alope Lohia over 30 years ago, IVL expanded quickly as a family-owned business to become a leading global PET manufacturer. In 2010, IVL listed on the Thailand Stock Exchange and reset its vision to become a global chemical company by building a global portfolio of integrated assets across its chosen petrochemical value chain.

Today, it has three business segments:



**Integrated Oxides and
Derivatives (IOD)**



**Combined PET
(CPET)**



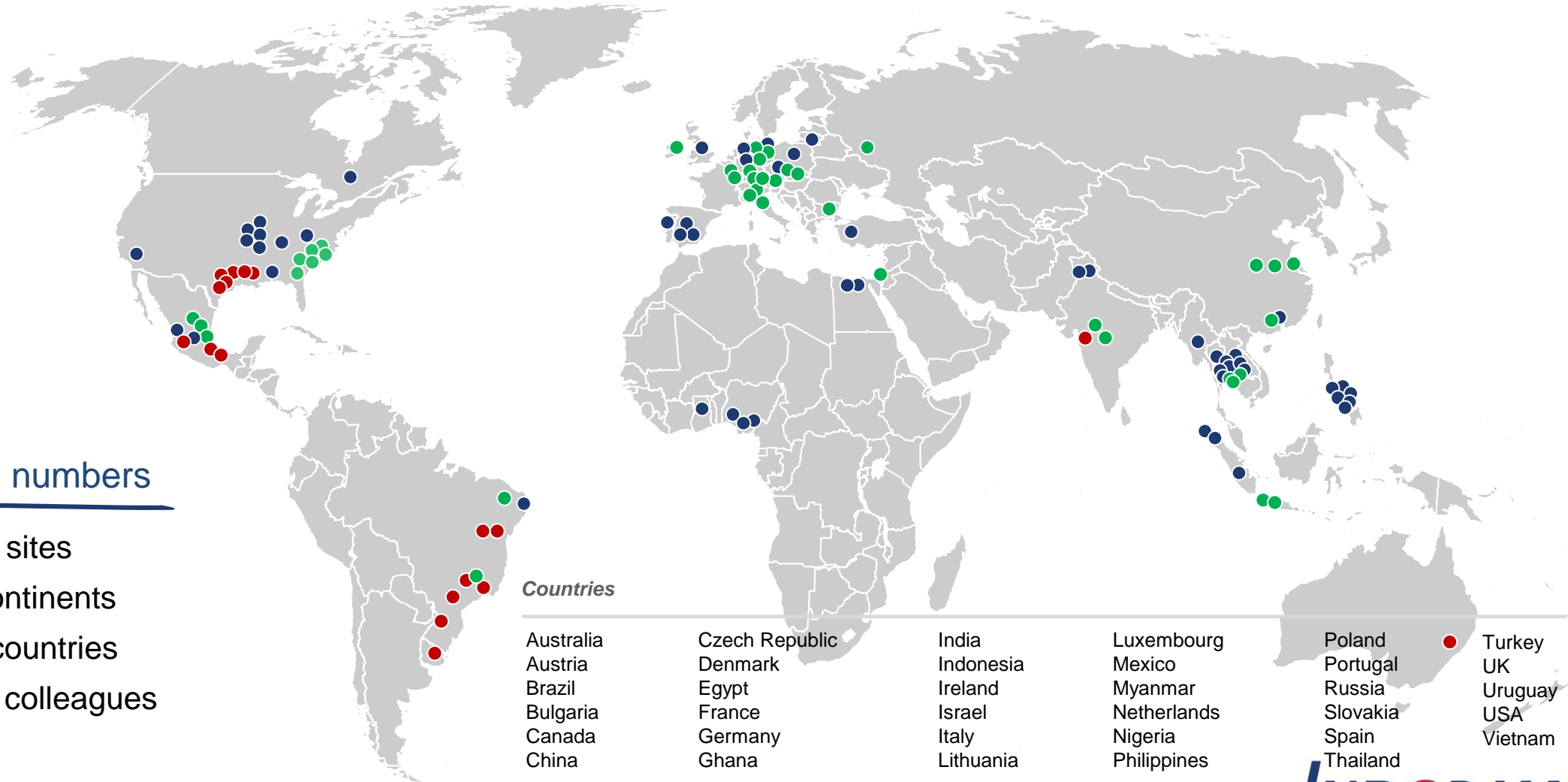
Fibers

IVL also operates in the Recycling business, with an ambition to recycle 50 billion PET bottles every year by 2025.

Our Global Footprint

IVL in numbers

- 148 sites
- 6 continents
- 35 countries
- 26k colleagues



● CPET ● IOD ● Fibers

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Market Leadership Across the Sectors In Which We Operate

Combined PET	
#1 Producer globally (22% market share)	
Recycling leadership	Packaging leadership in emerging markets
Only integrated player in Europe and fully integrated player in North America	
Global leader in PIA (20% market share)	

IOD	
#1 Non-ionic surfactants producer in Americas (24% market share)	#1 EO producer in Americas
#1 Americas' fabric & home care ingredients provider	#2 Ethoxylation company globally

Fibers	
#2 in Automotive safety (18% market share)	#2 in Tire (14% market share)
#2 in Bico fiber (19% market share)	#1 in staple fiber ASEAN (17% market share)

Source: IVL Company data

Recycling Leadership

Vision

“To reinvent 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

Recycle

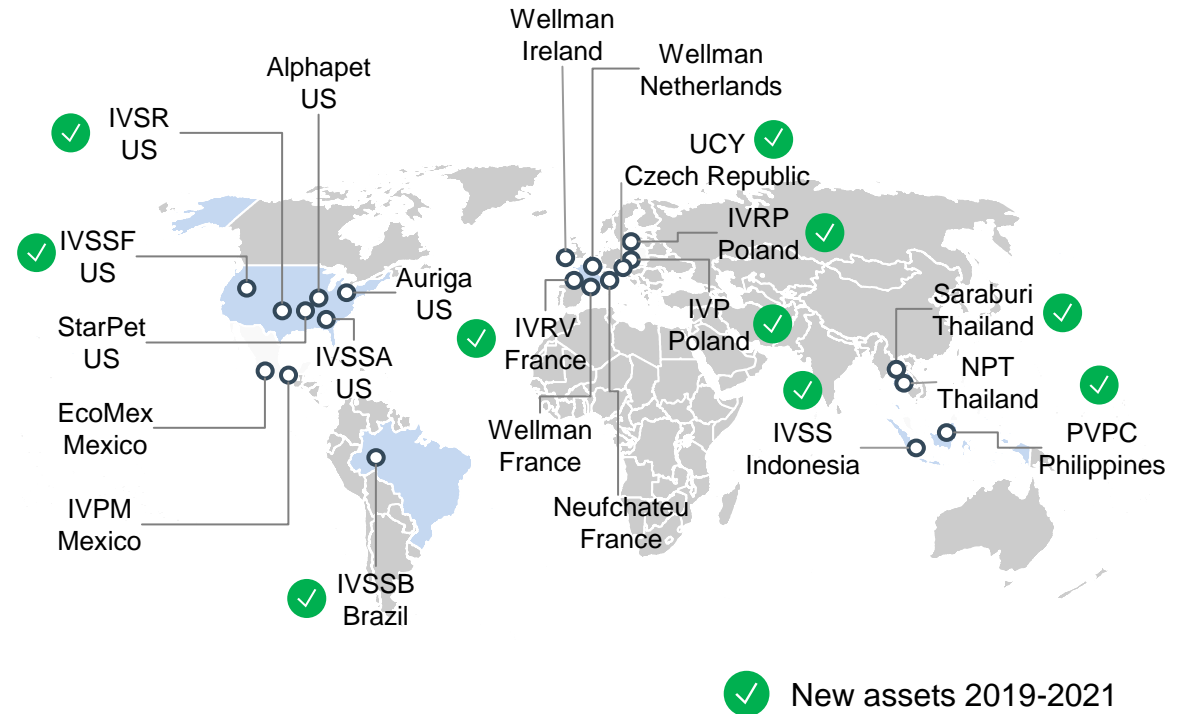
50 billion bottles per year

Invest

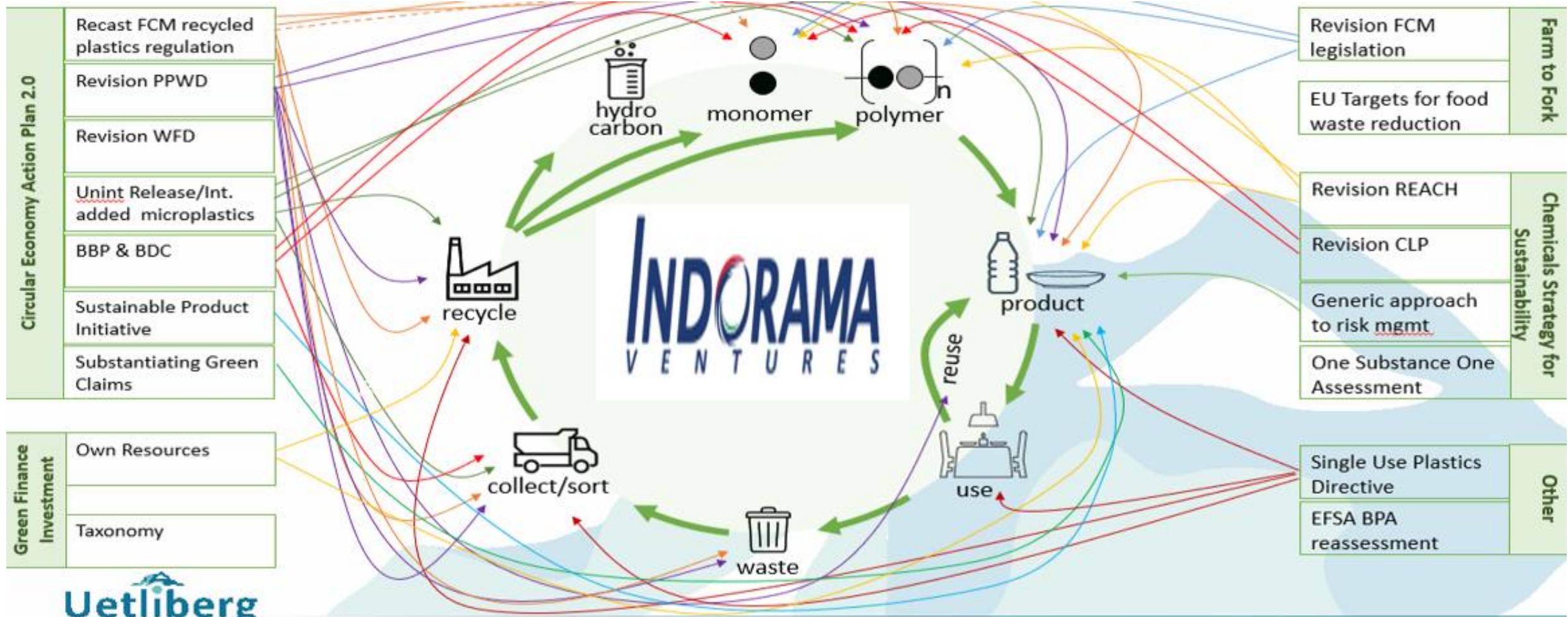
US\$ 1.5 billion to build and expand recycling facilities



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



Many challenges for the European industry



FCM = Food Contact Materials
PPWD = Packaging and Packaging Waste Directive

WFD = Waste Framework Directive
BBP & BDC = Biobased Plastics & Biodegradable and Compostable Plastics



Geopolitics

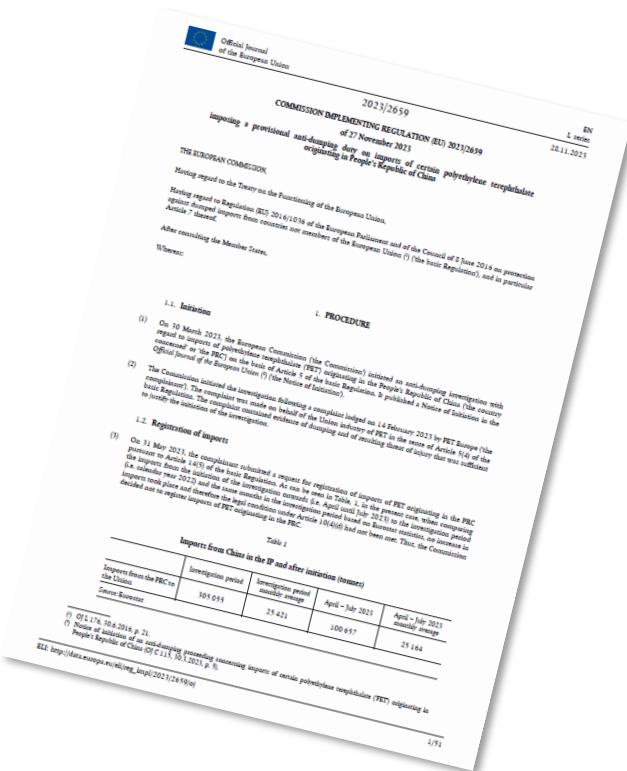
- Sanctions are distorting markets
- China is taking advantage of cheap Russian crude to boost exports
- Dumping PET on foreign markets



The European Industry is under attack (antidumping case)

Existence of significant distortions have been recognized by EU Commission:

1. Significant **distortions affecting** the domestic **prices and costs** in the PRC
2. **Wage costs** being distorted
3. **Public policies** or measures discriminating in **favor of domestic suppliers**
4. The lack, **discriminatory application** or inadequate enforcement of **bankruptcy, corporate or property laws**
5. **Access to finance** granted by institutions which implement public policy objectives

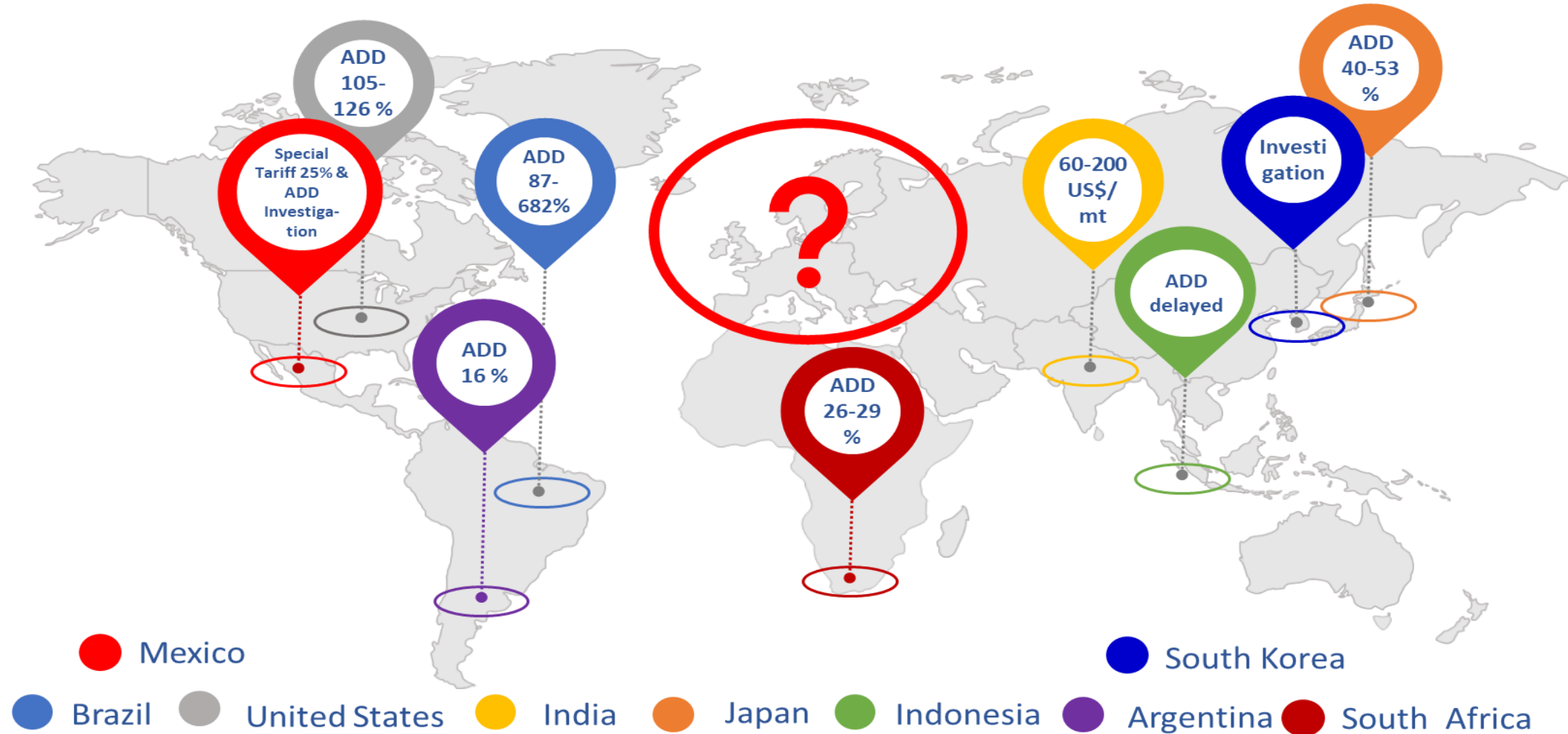


“Let me say few words”:

- Too often, our companies are victims of predatory practices
- They are often undercut by competitors benefitting from huge state subsidies
- Businesses were pushed out by heavily subsidised Chinese competitors
- This is why fairness in the global economy is so important – because it affects lives and livelihoods



Most markets are closed for the Chinese PET overcapacity



Antwerp Declaration



We need to keep industry in Europe because the industry will deliver the climate solutions Europe needs.



UN Global Plastics Treaty

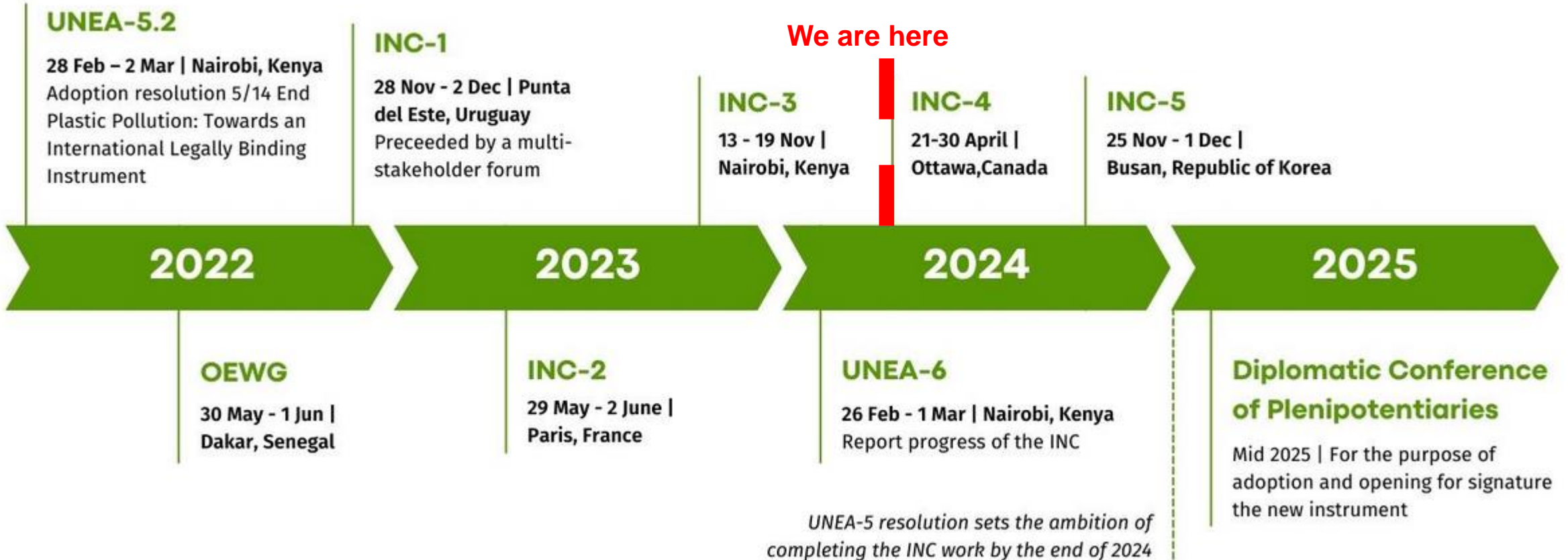
- March 2022 - UNEA **agreed a resolution** to “End plastics pollution”.
- The most significant environmental multilateral deal since the Paris Accord.
- UNEP Executive Director convenes **Intergovernmental Negotiating Committee (INC)**
 - ✓ INC-1: Nov-Dec 2022, **Uruguay** - Stakeholder consultation and agreed the treaty will be an **International Legally Binding Instrument (ILBI)** to end plastic pollution by 2040.
 - ✓ INC-2: May-June 2023, **Paris** - Charged the executive to **write a “Zero Draft”**
 - ✓ September 2023 – **“Zero draft” published.**
 - ✓ INC-3: Nov 2023, **Nairobi** - Meeting debated the **“Zero Draft”**.
 - ✓ December 2024 – Revised draft published ahead of INC-4 (April 2024) in **Ottawa**, Canada
- Member States split on treaty into **High-Ambition and Low-Ambition countries**

Business case for a UN Treaty

- Harmonise policy and regulations to reduce compliance burden
- Tackle pollution / increase collection to manage feedstocks / reputational risk
- Enable businesses to plan investments & manage costs of compliance
- Simplify reporting to effectively measure progress



Treaty Negotiation Timeline



Cr. Geneva Environment Network

What is being discussed?

- The draft paper does not focus on a particular type of plastics - **Mostly mentioned “Polymers”**
 - ✓ Micro and nanoplastics
 - ✓ Primary plastic polymers, and chemicals and polymers of concern
 - ✓ Problematic and avoidable plastic products
 - ✓ Product design, composition, and performance
 - ✓ Modalities for the establishment and operation of EPR
 - ✓ Emissions and releases of plastic through its lifecycle
 - ✓ Waste management
 - ✓ Format of national plans and
 - ✓ Effective measures at each stage of plastic lifecycle



COP28 in Dubai



- **Indorama Ventures** sponsored the Thai pavilion of COP28
- COP28 started with very low expectations due to the conflict of interest for UAE to reduce its emissions and phase out oil
- This was world's first '**global stocktake**' to maximize climate action before 2030 with the overarching aim to keep the global temperature limit of 1.5°C within reach
- A quick win occurred on the first day regarding climate finance. On "**loss and damage fund**" (funding to help lower-income countries cope with the loss and damage caused by climate change), countries pledged \$700 m
- On **renewables**, 118 countries have agreed targets to triple renewable power generation capacity to 11,000 GW, and double energy efficiency by 2030
- **Phase out of fossil fuels**: countries agreed on a text to "transitioning away from fossil fuels" which makes this the first-ever climate accord to explicitly curtailing fossil fuels (it is nonbinding and leaves leeway to countries to design their pace towards the reduction)



Waste Hero Education.com



19 free lesson plans for teachers and educators

Validated teaching resources and education materials, with script

Available in printable and editable version, in multiple languages

Focus on *three main pillars*:

♻️ Recycling Fundamentals | ♻️ Creating Zero Waste | ♻️ Building the Circular Economy

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

- An Educator Advisory Group wrote the lesson plans to be practical and useful in the classroom.
- Waste Hero is validated by an independent panel of 4 global education experts.
- The materials were tested in the United States, Mexico, Zimbabwe, Bangladesh and the UK.
- These testing group were >80% satisfied with materials.





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Thank you