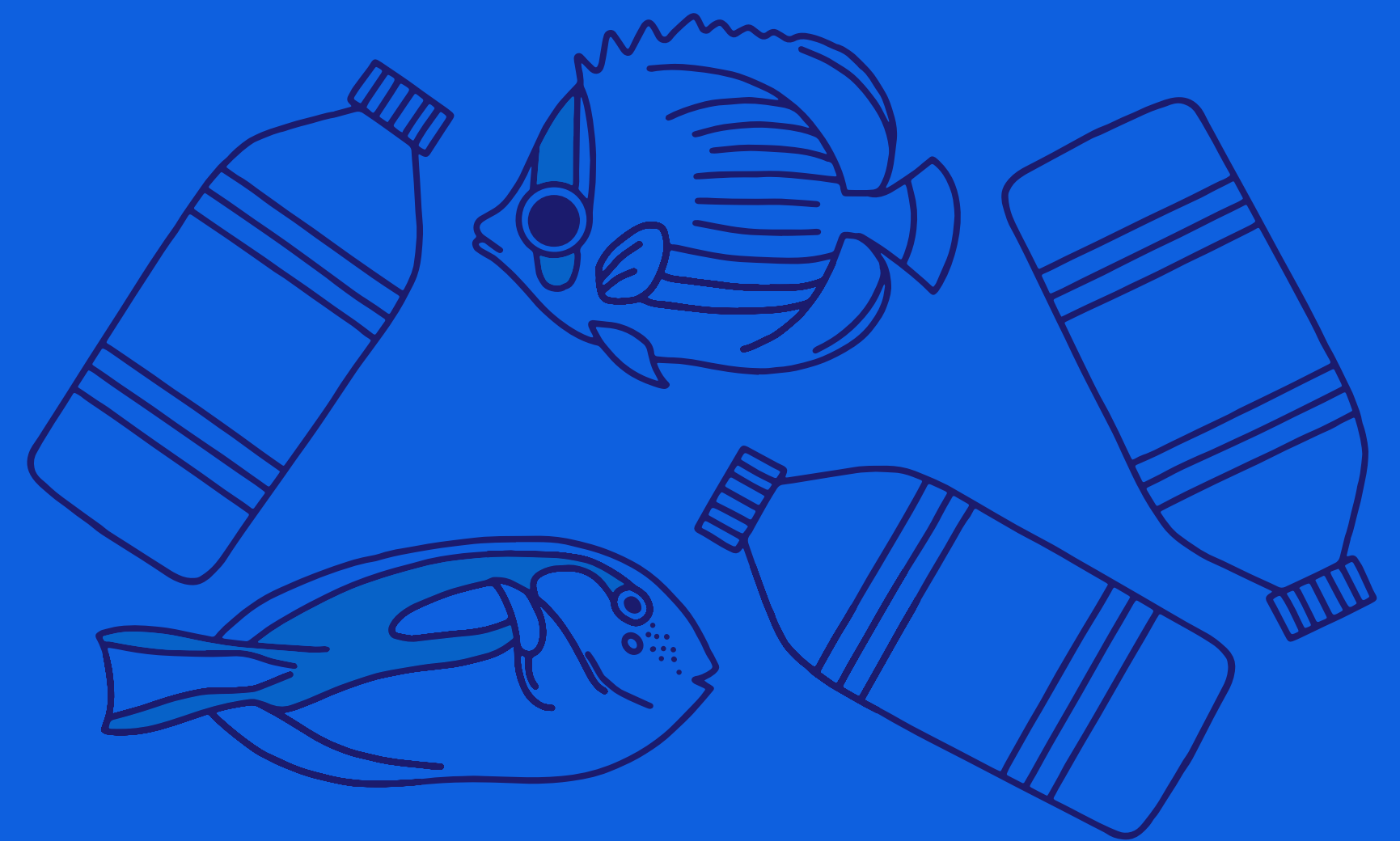




# THE PLASTIC PROBLEM

**THE GLOBAL PLASTIC  
DEBT IS  
8,437,019,836  
TONNES...  
AND  
COUNTING**



This means that by 2050, there could be more plastic by weight than fish in the ocean

OF ALL PLASTIC  
WASTE<sup>1</sup> EVER  
PRODUCED:

9% RECYCLED  
12% INCINERATED



1. Approx. 70% of all plastic produced

75%+ IN LANDFILLS AND THE NATURAL  
ENVIRONMENT, LEADING TO:

ECOSYSTEM DAMAGE

Microplastics found in water and marine organism samples globally

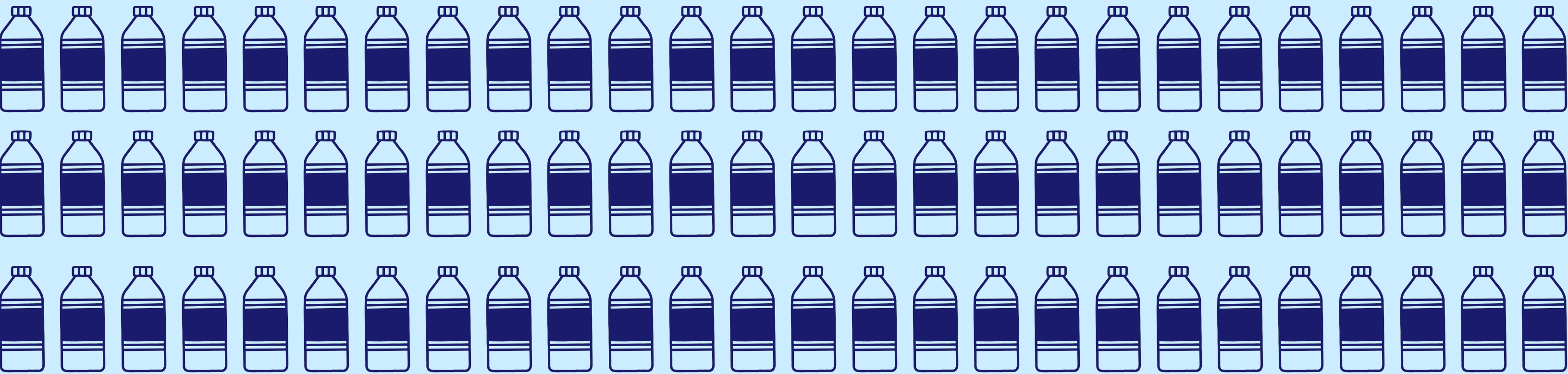
BIODIVERSITY LOSS

Thousands of animals killed annually by ingesting plastic or getting entangled

HUMAN HEALTH IMPACTS

Plastic exposure linked to a wide range of cancers and disorders

AND \$100B+ IN FINANCIAL RISK<sup>2</sup>



2. 2021 UNEP report, “From Pollution to Solution”

# MOMENTUM IS BUILDING TOWARDS A CIRCULAR ECONOMY FOR PLASTIC

## CONSUMER DEMANDS

Consumers are shifting purchasing behavior:

- PwC's 2021 Global Consumer Insights Survey reported **50-60% respondents buy items with eco-friendly or less packaging** – compared to 37% in 2019

## REGULATORY TAILWINDS

- **35+ countries have introduced Extended Producer Responsibility schemes**, holding producers responsible for collection and recycling of plastic they produce
- On March 2, 2022, **representatives from 175 nations endorsed a UNEA resolution to end plastic pollution** – with the ambition of a binding agreement by 2024

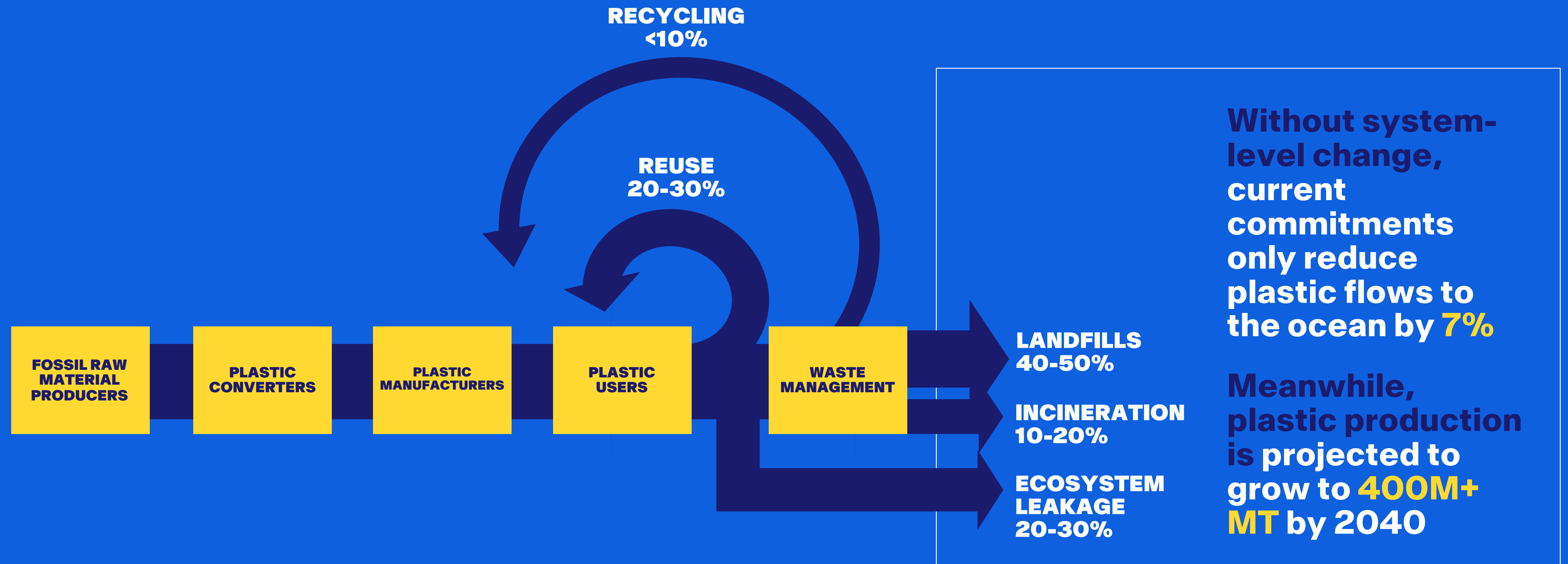
## MAINSTREAMING ESG

Corporations are increasingly expected by shareholders to measure and take responsibility for their impact on society

- **6 of top 10 FMCG companies have made commitments** to reduce plastic packaging

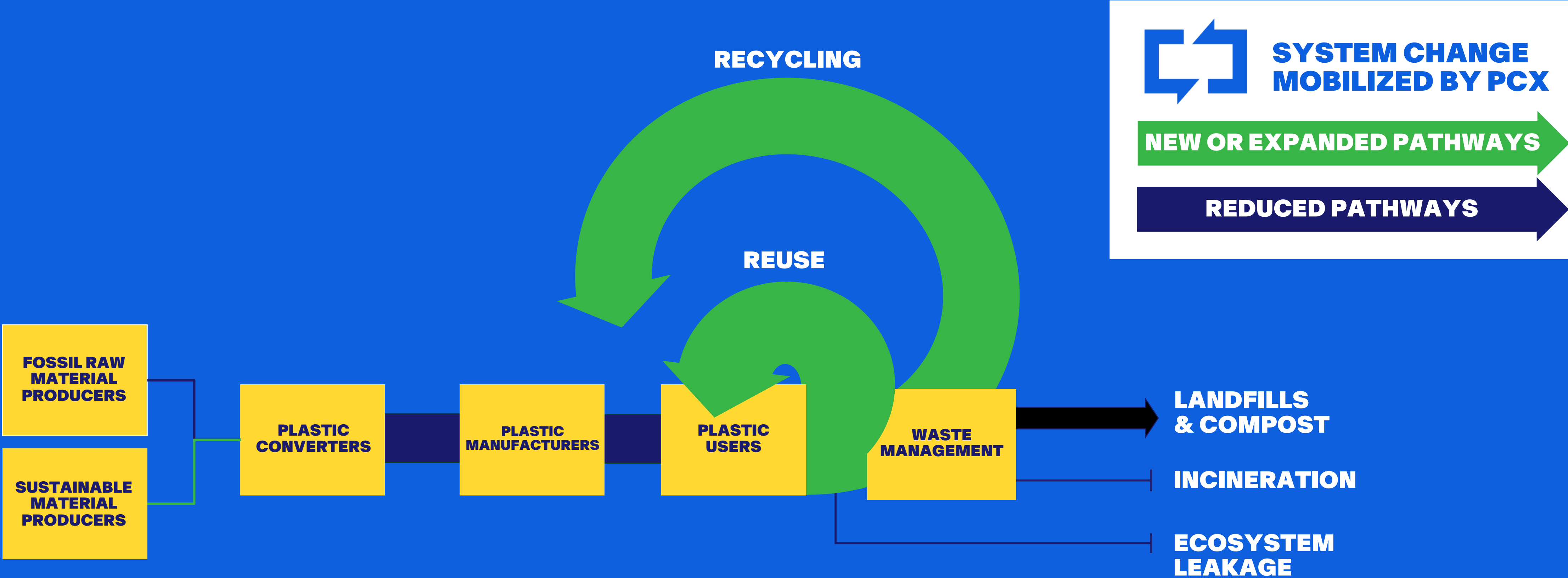
“It's been two years since I wrote that climate risk is investment risk. And in that short period, **we have seen a tectonic shift of capital.**  
– Larry Fink, BlackRock CEO, 2022 Letter

# DESPITE VERBAL COMMITMENTS TO CHANGE, THE IMPACT IS INCREMENTAL AT BEST



Source: Geyer, et. al., "Production, use, and fate of all plastics ever made", *Science* (2017).

# PCX MAKES SUSTAINABLE PLASTIC CIRCULARITY A REALITY



# WHO WE ARE



# MEET **PCX** SOLUTIONS

The origin story of PCX Solutions is PCX - the **world's first global non-profit plastic credit program**. Founded in one of the epicenters of the plastic pollution crisis, the Philippines, PCX Solutions advises companies on how to map out and execute comprehensive solution sets effectively over a partner's short, medium, and long-term sustainability journey. PCX was the **first in the world to establish a Plastic Pollution Reduction Standard** and serves a global ecosystem of carefully vetted partners that recover, process, and recycle plastic waste with programs that improve livelihood, scale up social impact, and reduce the flow of plastic pollution into nature.

## + **LAUNCHING PCX** **MARKETS**

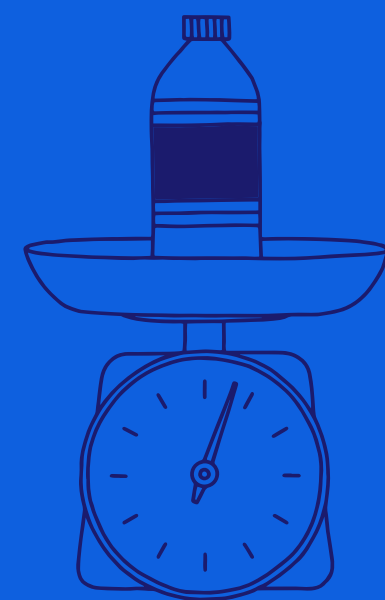
We have introduced a complementary technology-enabled commercial credit marketplace, that will build on the expertise, experience and credibility of PCX Solutions, while enabling **accelerated global scale and impact** beyond our current reach and enabling a broader scope of services for our consumer, industrial, governmental and institutional ecosystem partners.

## OUR BADGE REFLECTS OUR MISSION



**TO ACCELERATE THE TRANSITION TO  
A CIRCULAR ECONOMY AND BUILD A  
FUTURE WHERE NO PLASTIC WASTE  
ENDS UP IN NATURE.**

# THE ROAD TO CIRCULARITY: HOW PCX WORKS



## STEP 1

### AUDIT PLASTIC FOOTPRINT

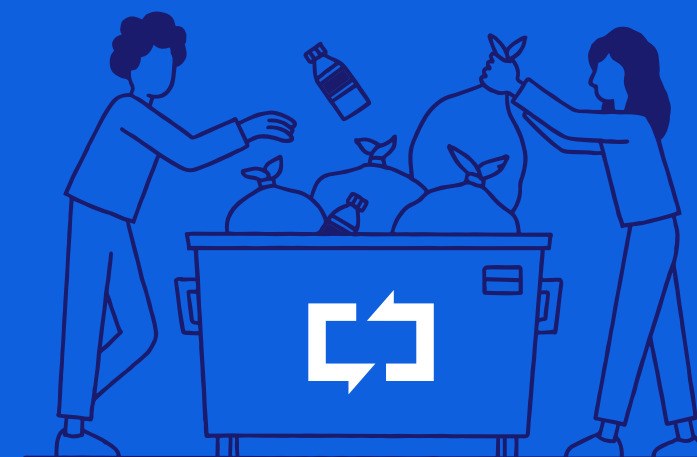
PCX, together with an accredited 3rd party auditor, will map the accounts plastic footprint using PCX's Plastic Footprint Calculator to determine a baseline and understand the use cases to solve for.



## STEP 2

### GOAL SETTING & MAPPING

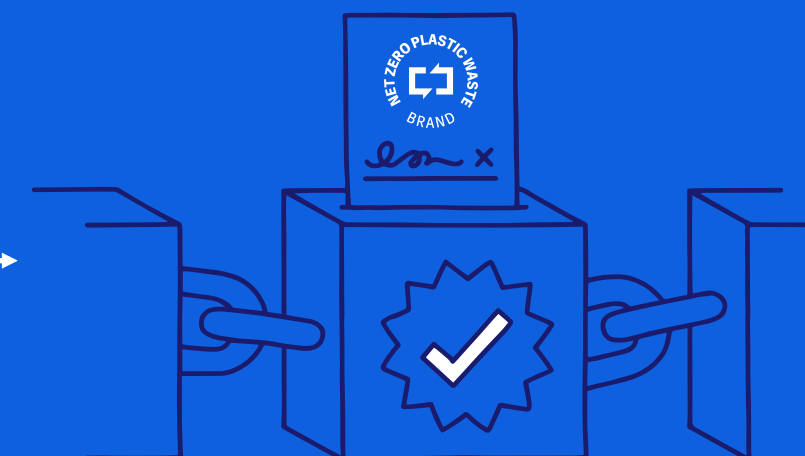
Once footprint is analyzed and challenges are considered, goals are mapped for short, medium and long-term execution and solutions are canvassed.



## STEP 3

### ACTIVATE ECOSYSTEM

Once goals have been identified, PCX activates its ecosystem to execute on the plan.



## STEP 4

### VERIFY & REPORT IMPACT

PCX provides end-to-end tracking through M&E systems which provide proofs of origin and environmental compliance certifications. For Credit accounts, our blockchain-protected online public registry ensures transparency across the entire process.



## STEP 5

### NET ZERO PLASTIC WASTE ECO LABELING

Accounts that comply with the requirements of Plastic Neutrality under the PPRS can be certified and use our eco-labeling on pack to communicate to their consumers that they are part of the responsible consumption movement.

# PCX MARKETS IS ENABLING THE EMERGING PLASTIC CREDIT ECOSYSTEM

## PROJECT DEVELOPERS & REGISTRIES



### SOLUTIONS

- CREDIT SOURCING
- ECO-LABELING
- CONSULTING
- PCX STANDARD

PLASTIC CREDIT PROJECTS

INDUSTRY-RECOGNIZED REGISTRIES

## MARKETPLACE



### MARKETS

CREDIT  
BROKERAGE

SALES &  
MARKETING

CREDIT PRICING  
TOOLS

TRANSACTION  
PLATFORM

VERIFICATION  
ON  
BLOCKCHAIN

ACTIONABLE  
INSIGHTS &  
ANALYTICS

## CREDIT BUYERS

BRANDED CORPORATE

INDUSTRIAL

GOVERNMENT / NGOS

EVENTS

CONSUMERS

**PCX Markets transactions** enable plastic waste diversion from nature, circular economy investment, and socio-economic development



# PCX DEFINES LEADING EDGE IN HOLISTIC IMPACT ACROSS THE PLASTIC ECOSYSTEM

## KEY CAPABILITIES



VERIFIED ADDITIONAL PLASTIC CREDITS

✓ Credits independently audited by 3<sup>rd</sup>-party firms

DIRECT SOCIO-ECONOMIC BENEFIT

✓ Partnership with **community-based waste collection**)

CIRCULAR ECONOMY INVESTMENTS

✓ **System change investments** bundled with credits

B-CORP CERTIFICATION

✓ **B-Corp Pending** status, awaiting final approval

PLATFORM TO MATCH SUPPLY & DEMAND

✓ Tech platform with dashboards for marketplace trends & impact

DYNAMIC CREDIT PRICING MODEL

✓ **Proprietary pricing algorithm** for rigorous, transparent pricing

ENGAGEMENT WITH GOVT, NGO, INDUSTRY

✓ Deep connections with **experts across ecosystem**

IMPACT

ECOSYSTEM  
ENABLEMENT





# BUILT ON THE FOUNDATION OF PCX SOLUTIONS – WHICH IS ALREADY MAKING AN IMPACT

We envision an end to the plastic waste crisis within our lifetimes. Here's a look at the impact we've already made. And our work has just begun.



\*as of January 15, 2022

## PLASTIC WASTE OFFSET



**31,288,950 KG**  
**2<sup>ND</sup> LARGEST PROJECT DEVELOPER**

Post-consumer plastic diverted from nature

## CIRCULAR ECONOMY INVESTMENTS



**\$2,781,667.19**

Total Investments into Infrastructure & Offsetting

## LIVELIHOOD DEVELOPMENT



**63% INCOME INCREASE**

Average Increase in AT Income

## EMISSIONS REDUCTION



**52,252 TONNES**

Estimated carbon reduction from coal replacement (\*1.67)

## COMMUNITY EMPOWERMENT



**100% FEMALE**

Micro-entrepreneur partners through Aling Tinderas

## LIVELIHOOD DEVELOPMENT



**13% PROFIT INCREASE**

Average Increase in AT Profit

In partnership with brands including:





# A SPOTLIGHT: ALING TINDERA NETWORK

The Aling Tindera Network is a community of female micro-entrepreneurs we empower to manage sustainable waste-to-cash systems. We equip each of them with the resources and training to run plastic waste collection stations and be champions for sustainability in their communities.

## ALING NENENG FROM BASECO

Neneng is the president of an informal livelihood organization for low income women in Manila. On top of operating a small sari-sari store, she and her fellow mothers make the extra income they need by peeling garlic. However, the garlic deliveries are oftentimes unreliable.

**“THROUGH THE ALING TINDERA PROGRAM, BIRCH TREE HAS HELPED ME MANAGE MY FINANCES AND NOW I DON’T NEED TO BORROW AS MUCH.”**

— NENENG

HAS COLLECTED

**5,405.50 KG**

of plastic waste from Baseco, Manila\*



\*as of November 22, 2021





# WHAT IF WE CAN BE THE GENERATION THAT SOLVES THE PLASTIC POLLUTION CRISIS?