



REAL IMPACT REPORT 2022



**WE
DIVERTED
40M KG
FROM
NATURE**

TO DATE

WE INVESTED \$3M INTO THE CIRCULAR PLASTIC ECONOMY

TO DATE





**WE EXPANDED
OUR PROJECT
PARTNERS TO
4 COUNTRIES**



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WE GOT TO WORK



Wow, what a year it's been for all of us. At PCX, 2022 was challenging - but there was also a lot to celebrate.

We are proud that, through our ecosystem of partners, we have diverted more than 40 million kilograms of plastic waste from nature, invested over US\$3 million in the circular plastic economy, and driven 67,000 tonnes of carbon reduction from coal replacement to date.

We also experienced first hand significant legislation put into action to address the plastic waste crisis. On a global level, the negotiations for a UN Plastic Treaty have kicked-off, while in the Philippines, the Extended Producer Responsibility (EPR) regulation turned out to be one of the most aggressive policies in the world, requiring companies to take responsibility for 80% of their plastic waste footprint by 2028. We are proud that we took an active part in shaping the Philippine EPR law and are now helping companies to comply. In our view, this is important for two reasons: It will go a long way in helping the country remove itself as the 3rd worst offender for ocean plastic pollution which threatens nature and food security. But it is also important beyond the Philippines because the world is watching and if this can be done here, this will serve as a blueprint for more countries to follow and move in the same direction.

So what are the challenges? There is no silver bullet to solve the plastic pollution crisis. However, we at PCX believe that even with an imperfect and ever evolving space, we have the tools to deliver the kind of impact that allows us to be the generation that solves the plastic pollution crisis. Why are we so optimistic? Because unlike carbon and the challenges that come with carbon credits, plastic is a tangible material that can be more easily collected, weighed, and measured. This combined with blockchain technology means we are able to deliver real, traceable, and additional impact today.

Finally, we see real support and interest from global leaders to address this issue. Thank you. We would not be where we are today without a whole ecosystem of partners, advisers, and a great team championing our work. But there is no time to waste. For any of you looking to make a difference today in keeping plastic waste from polluting nature, we welcome you into our community and into the movement.

Let's get to work.

Nanette Medved- Po, Founder of Plastic Credit Exchange

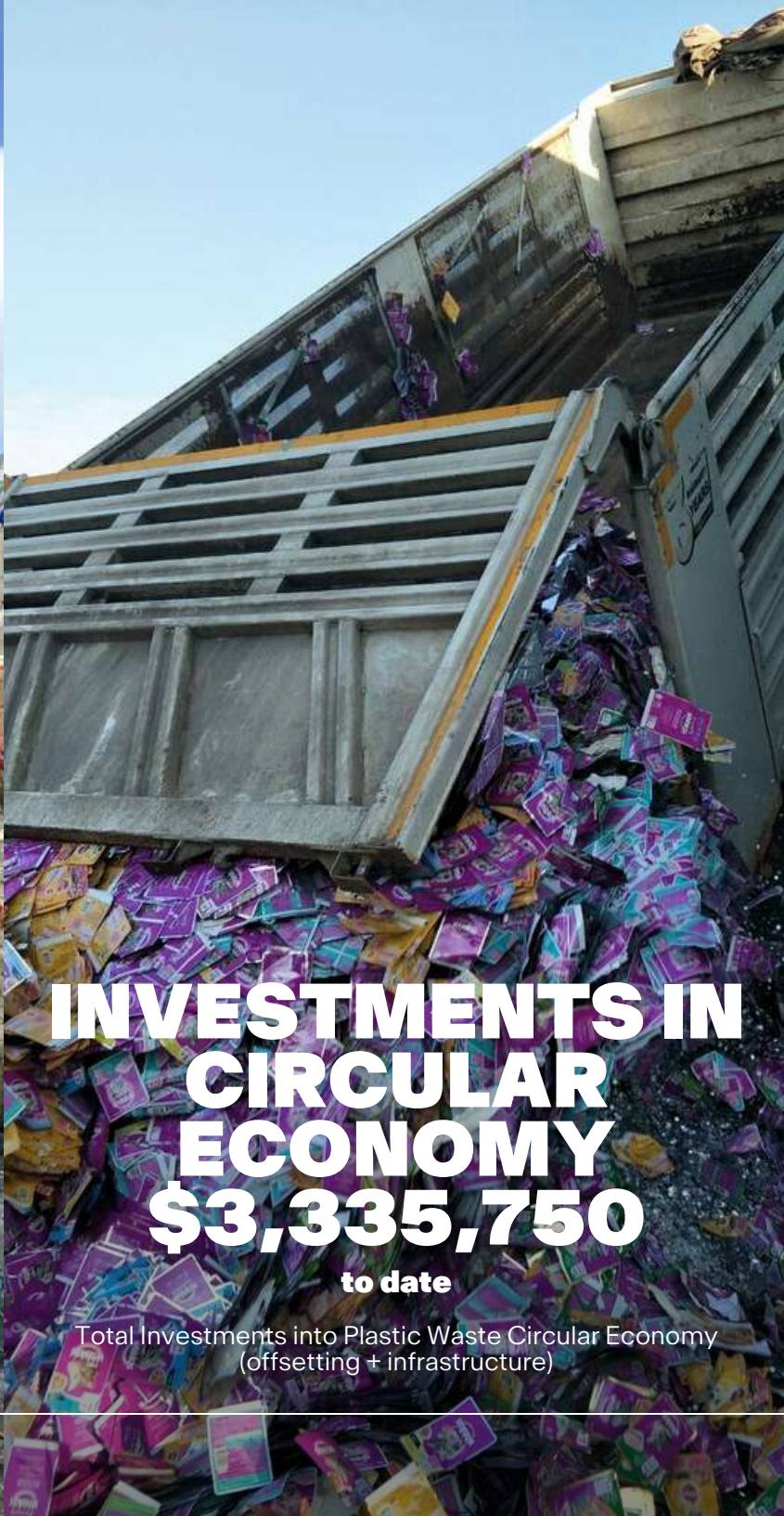


WE DELIVERED ON ENVIRONMENTAL IMPACT



**PLASTIC WASTE
CLEAN UP
40,508,250
KG**
to date

Post consumer plastic waste diverted from nature



**INVESTMENTS IN
CIRCULAR
ECONOMY
\$3,335,750**
to date

Total Investments into Plastic Waste Circular Economy (offsetting + infrastructure)



**EMISSION
REDUCTION
67,649
TONNES**
to date

Estimated carbon reduction from coal replacement (*1.67)

**WE
DELIVERED
SOCIO-
ECONOMIC
IMPACT**



**WE PARTNERED WITH
THE ALING TINDERA
PROGRAM TO EXPAND
TO 100+ COLLECTION
SITES EMPOWERING
WOMEN
ENTREPRENEURS
IN THE PHILIPPINES**



**WE SUPPORTED
COMMUNITY-BASED
PROJECTS IN THE
PHILIPPINES, THAILAND,
INDIA, AND INDONESIA**



**WE
CONTRIBUTED
425,000+ PHP TO
COMMUNITY-RUN
PROJECTS**



WE CELEBRATED MILESTONES

PCX FOUNDER NANETTE MEDVED-PO RECEIVES ASIA GAME CHANGER AWARD



PCX founder Nanette Medved-Po was awarded the prestigious Asia Game Changer Award as Climate Hero. She is now part of The Asia Society’s roster of game-changing individuals that have demonstrated inspiring leadership and impact, honoring heroes who are addressing the global climate change problem, amplifying the conversation around this, and coming up with visionary solutions.

US CONGRESS DELEGATES EXPRESS SUPPORT FOR PCX'S PARTNER PROGRAM ALING TINDERA



PCX project partners USAID and Hope welcomed representatives from the United States Congress during a delegation visit to the Philippines. "You have figured out a way to recycle that rewards everyone who is a part of the process, and it’s something that isn’t just applicable to the Philippines—this can be used anywhere, including the U.S." said Senator Edward Markey.

PCX JOINS INCUBATION NETWORK, UN WASTE WISE CITIES AND ISWA



PCX is proud to have intensified partnerships with The Incubation Network, the United Nations’ Waste Wise Cities, and the International Solid Waste Association. Through these affiliations, PCX is set to expand its network and tackle the plastic crisis hand in hand with premier trailblazers worldwide.

RECIRCLE CREDITS, 2ND LIFE VERRA CERTIFIED CREDITS AND SDG GOLD CREDITS LAUNCHED AT PCX MARKETS



In order to support as many worthy projects as possible to get the funding that they need to grow their impact and scale, working with other reputable standard setters is key to add credits separately certified by Verra, such as Thailand-based waste collection project Second Life.

PCX PHILIPPINES PARTNERS ARE EPR COMPLIANT FROM DAY 1



In July, PCX partners Alaska Milk Corporation, Nestlé Philippines, Colgate-Palmolive Philippines, Century Pacific Food Inc., PepsiCo Philippines, and NutriAsia pledged to abide by the Extended Producer Responsibility legislation. The law is a national act that encourages the reduction, recovery and diversion of plastic waste into the circular economy and away from the environment.

PCX LAUNCHES PLASTIC POLLUTION REDUCTION STANDARD (PPRS) V7



PCX's Plastic Pollution Reduction Standard (PPRS) was the first standard in the world. It is a module-based governance document that aims to implement a verifiable plastic credit and certification system. It is composed of 6 modules, from guiding principles to the actual process. The latest version allows for each module to be updated separately.

WE LEAD THE WAY

Click on text to read more.



US Senators visit PCX partner program Aling Tindera



PCX founder Nanette Medved-Po receives Asia Game Changer Award as Climate Hero 2022



PCX named Real Leader of Impact 2023



CNBC interview with PCX founder Nanette Medved-Po



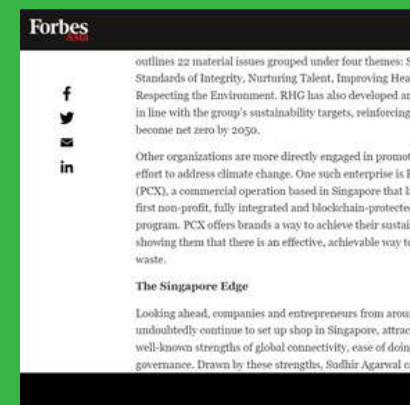
Forbes Asia on PCX delivering an innovative solution to the plastic waste crisis



PCX CEO Sebastian DiGrande speaking at Techonomy Conference 2022



Bloomberg on PCX helping female entrepreneurs



Forbes Asia on how Singapore is positioned for long-term success with organisations like PCX

WE LAUNCHED PCX MARKETS

The PCX Markets platform brings buyers and sellers of plastic credits together where companies purchase credits from projects to complement plastic reduction and offsetting targets for their plastic footprint - determined by a footprint calculator.

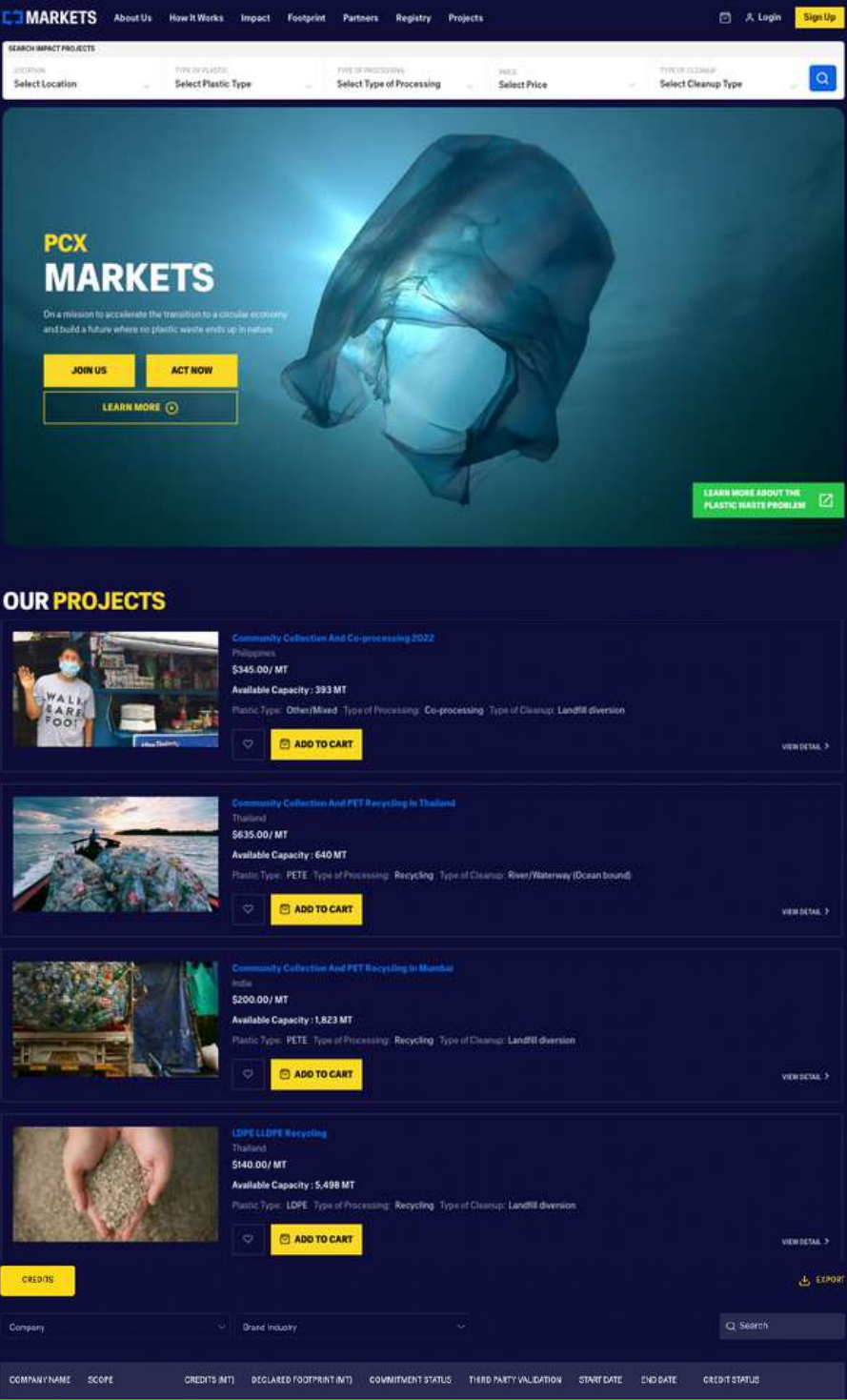
On the supply side, the platform offers plastic clean-up and recycling projects from accredited project partners that are verified against globally accepted plastic credit standards such as PCX Solutions’ Plastic Pollution Reduction Standard (PPRS) and Verra’s Plastic Waste Reduction Standard (PWRS).

On the demand side, companies are able to match the plastic projects from which they buy the credits to their overall business objectives and narratives while removing plastic from the environment and funding waste collection and infrastructure programs.

PCX Markets integrates blockchain-verified plastic credit transactions with reporting on the efficacy of given projects, giving companies the opportunity to buy credits on the spot by adding to their cart.

The launch of PCX Markets increases much-needed funding to address the plastic waste crisis, accelerating the global expansion of projects, investment in circular economy infrastructure, and support for plastic alternatives.

Learn more at www.pcxmarkets.com



HOW THE PCX MARKETS PLATFORM WORKS

FOR CREDIT BUYERS

CALCULATE FOOTPRINT

Use PCX’s Plastic Footprint Calculator and 3rd-party auditing services to determine your baseline and define impact goals.

BROWSE PROJECTS

Find various projects globally which are creating impact.

INVEST IN INFRASTRUCTURE

Invest in both small and large projects aggregating and recycling through its infrastructure fund.

BUY CREDITS

Commit to funding any amount of plastic waste cleanup and infrastructure development with PCX's accredited project partners

FOR CREDIT SELLERS

SHOWCASE PROJECTS

Showcase your projects and the impact being created by them.

CONNECT WITH NEW PARTNERS

Partner with organisations globally - corporations, individuals, and more - through selling plastic credits.

ACCELERATE IMPACT

With new global partnerships and funding, sustain and expand your project impact.

WE EXPANDED FROM THE EPICENTER OF THE CRISIS TO THE WORLD

We have seen firsthand the toll plastic waste has on countries who lack the infrastructure and resources to deal with it. That's where PCX comes in. Our mission is to reverse the damage done by plastic waste in vulnerable areas and build a future where plastic waste reenters the circular economy and does not wind up in nature. That's why we are focusing our efforts on the ground, in countries worst hit by the plastic pollution crisis.

CURRENT OFFICES



PHILIPPINES



USA*



SINGAPORE*

CURRENT OPERATIONS



PHILIPPINES



INDIA



THAILAND



INDONESIA



ARGENTINA



MEXICO



VIETNAM

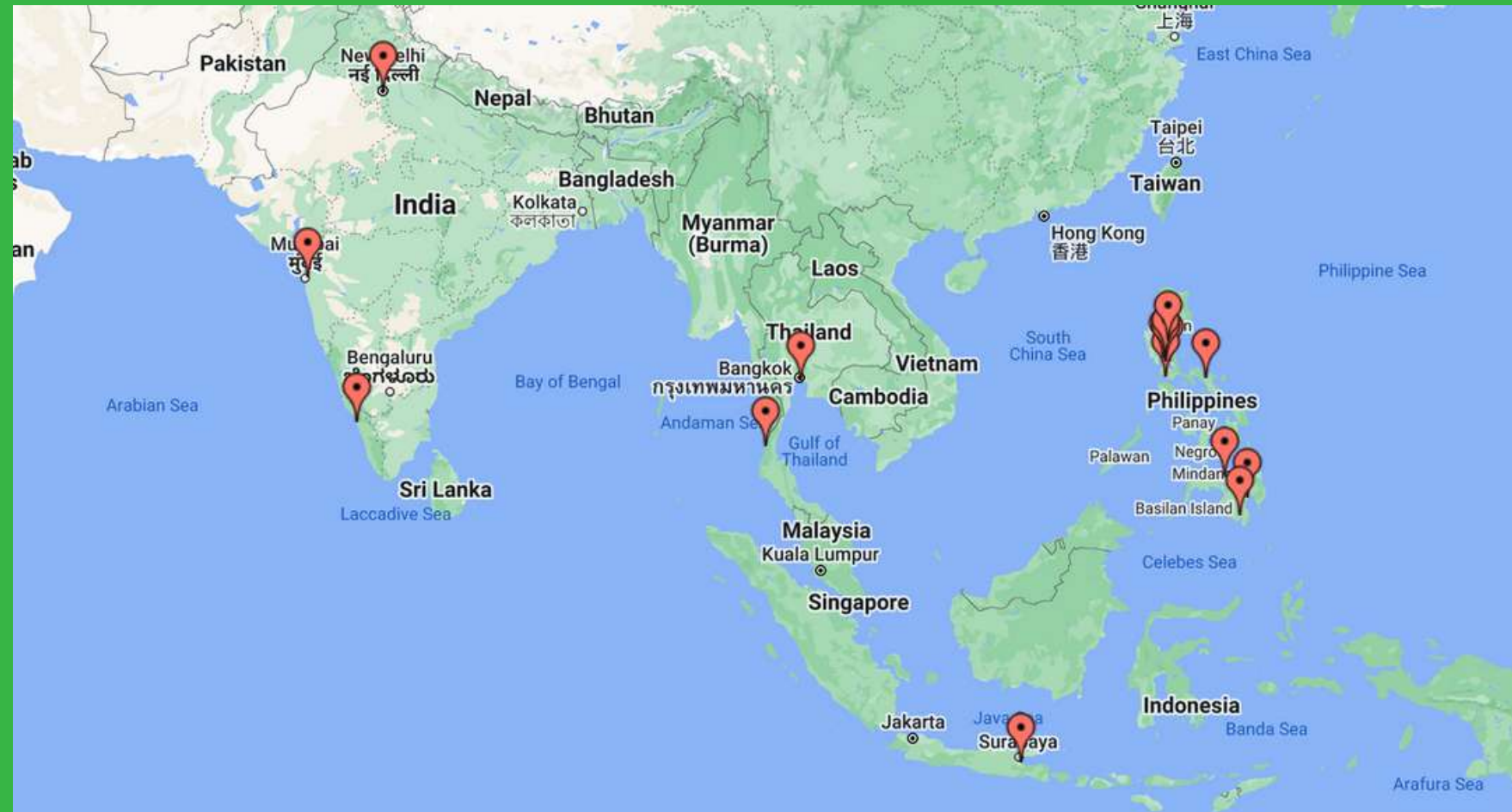


+ MORE

BY THE END OF 2023, WE PLAN TO EXPAND COLLECTION EFFORTS TO:

WE GREW OUR NETWORK OF PROJECT PARTNERS

Together with Hope, PCX started the Aling Tindera waste-to-cash network in 2019. It engages women entrepreneurs to manage stations that serve as collection points for plastic waste. Members of the community sell their post-consumer plastic waste to their closest Aling Tindera, who weigh, sort, bale and store the plastic until PCX transports it to a pre-vetted processing partner. Since then, PCX has grown to a global network of 13 project partners across 4 countries, while continuing to support waste collection and recycling efforts in places hit hard by plastic waste pollution. We started to take action at the very epicenters of the crisis and we are ready to expand across the globe to make real impact happen.



ALING TINDERAS

The story of Evelyn Garcia is a typical story of a woman entrepreneur of the Aling Tindera programme: "On a typically hot day in Marilao, Bulacan, Philippines, sacks upon sacks of trash are weighed in a seemingly endless cycle at the local Aling Tindera collection station. In the heat, Aling Evelyn has kept her watchful eye out as she records each set of previously cleaned and segregated used plastic bottles, sachets, and styrofoam containers."

HAVE COLLECTED

460,000+ KG

of plastic waste from the Philippines in 2022



SECOND LIFE & RECIRCLE

PCX's first community-based project partners in Thailand and India, respectively, Second Life, verified through Verra's Plastic Waste Reduction Standard, and ReCircle accredited by PCX's Plastic Pollution Reduction Standard, are at the frontlines of improving working conditions for workers, diverting waste from landfills or ecosystem pollution, and cleaning up the environment for their community, country, and waterways.

HAVE COLLECTED IN AGGREGATE

9,000,000+ KG

of plastic waste in coastal Thailand and India



VEOLIA THAILAND & INDONESIA

PCX has continued its partnership with Veolia Thailand (operates a LDPE recycling facility), and began partnering with Veolia Indonesia (PET recycling). Plastic credits form a critical revenue stream for increasing recycling in Thailand and Indonesia, which are heavily affected by coastal plastic pollution. PCX is excited to continue delivering both community impact and recycling innovation through its partnership with Veolia, in Thailand, Indonesia, and beyond.

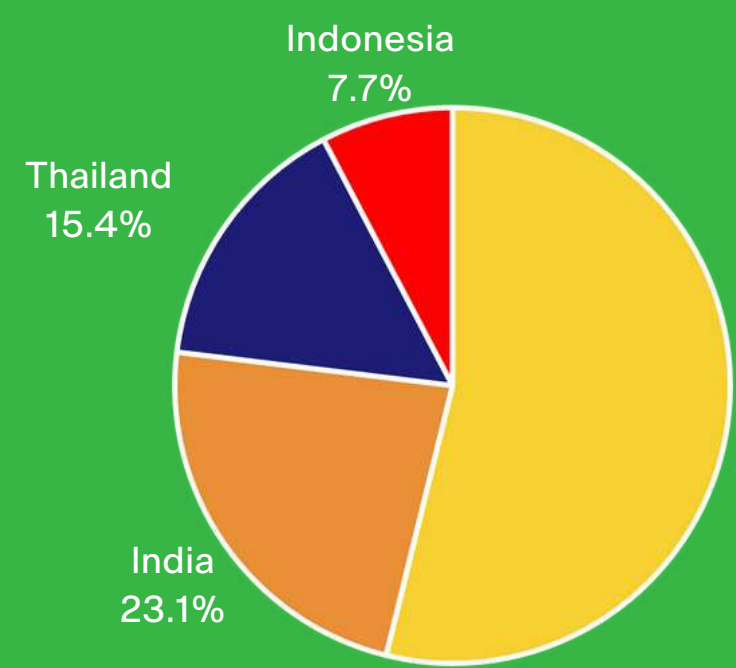
HAVE RECYCLED

30,000,000+ KG

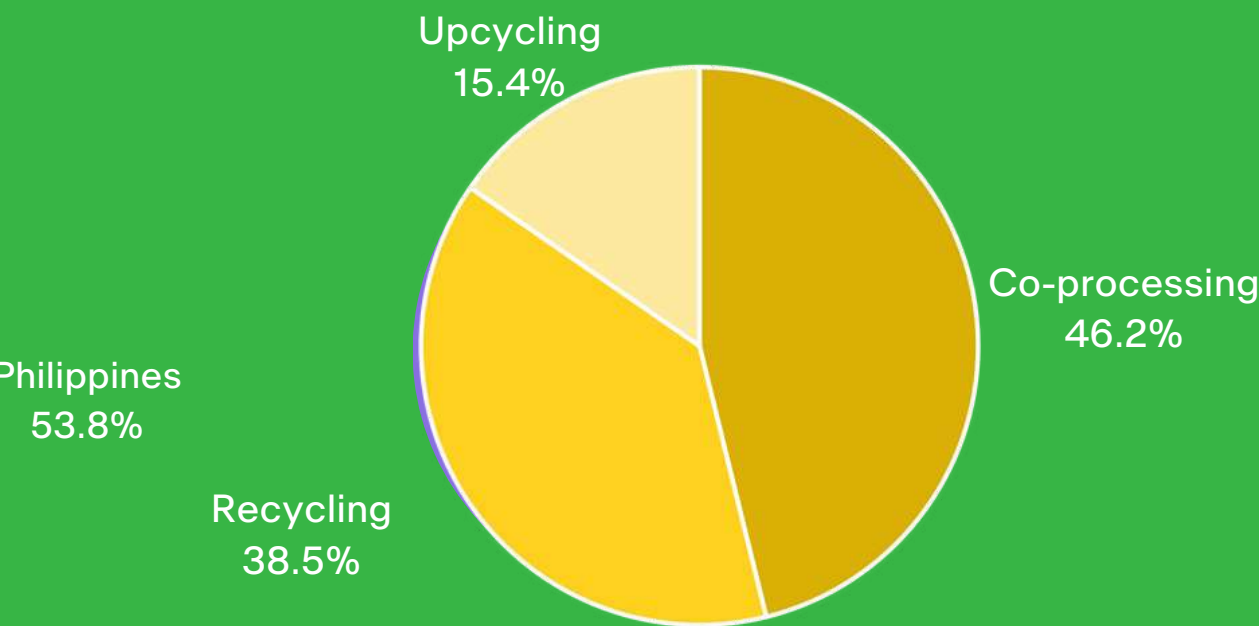
of LDPE and PET waste

PROJECT PARTNER ORGANISATIONS BY:

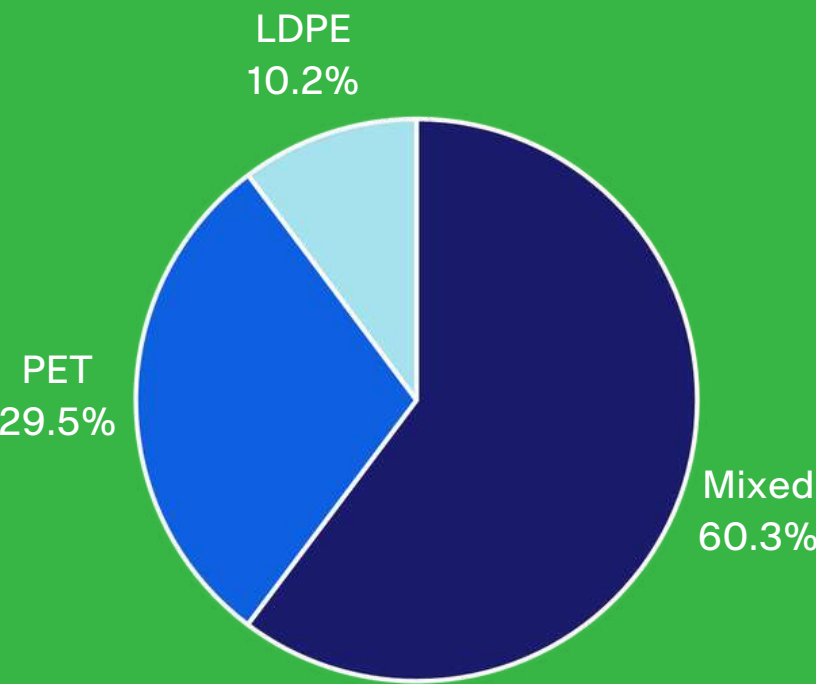
GEOGRAPHY



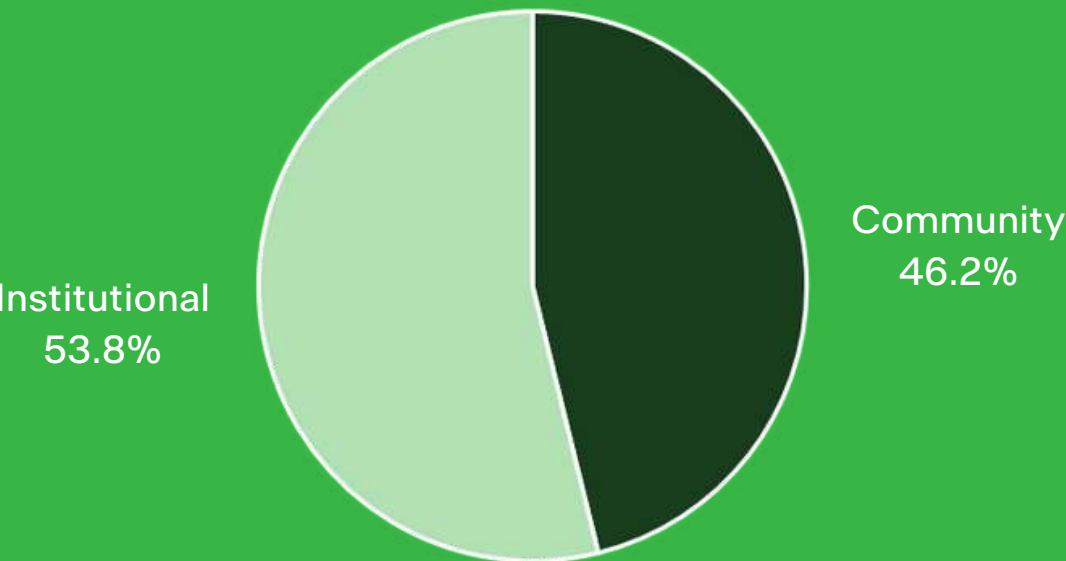
PROCESSING TYPE



PLASTICE WASTE TYPE



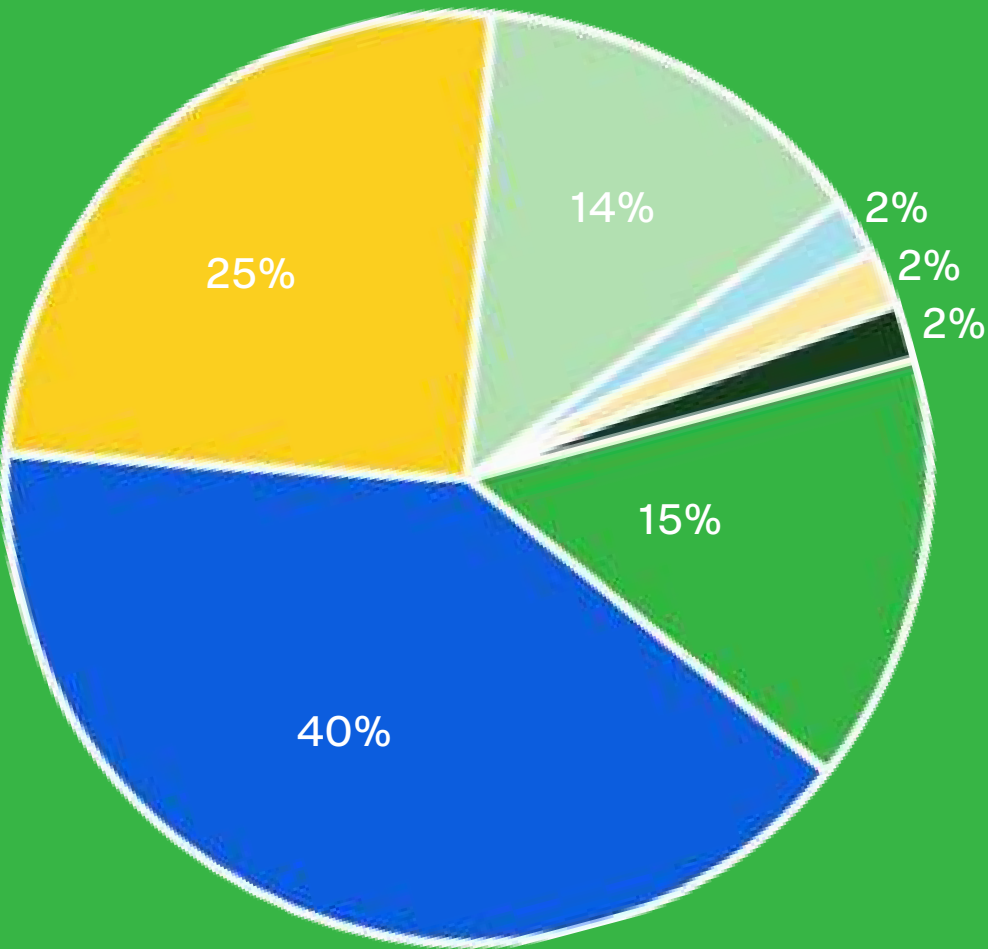
AGGREGATION TYPE



WE SUPPORTED THE COMMUNITIES THAT DO THE WORK

Example credit funding allocation based on Aling Tindera community waste collection in the Philippines:

- PROCESSING
- AGGRREGATION
- HAULING
- ADMINISTRATIVE
- WASTE INFRASTRUCTURE FUND
- EDUCATION FUND
- NEGATIVE TONNAGE FUND



Cleaning up plastic waste is a complex undertaking and involves many different partners and processes. Once a company purchases a plastic credit, the delivered impact is traced and documented throughout the process using latest blockchain technology. Only once the process is finished and the impact is delivered, the plastic credit is issued. Here's a rundown of how we support funding the communities doing the work.



Waste can't be taken care of if it isn't collected and properly "pre-processed" (with sorting and cleaning) first.

Waste pickers or institutional waste collectors may be deployed to aggregate waste, which they then bundle, sort, and send to the available pathways for processing the waste.



The aggregated waste must be transported to processing facilities - which are not always located in the immediate region of the collection.



In many parts of the world, landfills are deemed "unsanitary" or "mismanaged", where plastic waste is still at high risk of leaking into the ecosystem.

In these circumstances, PCX deems recycling and co-processing to be compliant processing options, while we continue to explore emerging innovations as well.



Documentation from credit-generating activity is reviewed and approved by standard-setters like PCX or Verra, and logged in public registries for transparency and accountability

AT PCX, EACH CREDIT COVERS EVERY STEP OF THE PROCESS

WE CONTINUE TO BUILD AN ECOSYSTEM OF PARTNERS

MEMBERSHIP & ADVOCACY PARTNERS

We are united by a common vision of a plastic pollution free world.



SELECT INDUSTRIAL PARTNERS

Our partners hail from different backgrounds, including environmental research, management, and policy



SELECTED BRAND PARTNERS

Our marketplace participants have all joined us in the fight to eliminate and reduce plastic waste in the world.



WE ARE LOOKING AHEAD TO 2023

The plastic pollution crisis presents a massive opportunity for humanity to demonstrate our ingenuity, creativity, and resilience. We truly have the chance to take advantage of the technology innovation, market-based solutions and mostly the growing demands for action across the world to completely transform our relationship with plastic and create a cleaner, healthier world for ourselves and future generations.

In order to take full advantage of this opportunity, PCX has invested in a scalable platform to enable everyone to take action through verified, trustworthy and high impact project partners globally. We are working tirelessly to accelerate short term impact to divert plastic waste from nature, as well as in investments for long term solutions for the circular plastic economy, where plastic use is reduced, reused and recycled rather than discarded, representing a game-changer in reducing waste. In addition to that, we believe that biodegradable plastics and other alternative materials will become increasingly widespread, reducing the need for petroleum-based plastics. Combined with smart packaging innovations in packaging design and technology will make packaging more sustainable, reducing waste and increasing efficiency.

Finally, governments will play a key role in driving change by investing in new technologies, supporting sustainable businesses, and creating incentives for positive behavior change. All of these actions will benefit from technology-enablement and market-based solutions, which we aspire to enable through our PCX platform.

The plastic pollution crisis is a daunting challenge, but it is also an opportunity for us to unleash our full potential and create a brighter future. With bold action and optimistic determination, we can be the generation that solves the plastic pollution crisis.

Sebastian DiGrande, CEO of Plastic Credit Exchange



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