

Driving Sustainability Agenda In Indonesia

European Indonesia Business Dialogue
Jakarta – 25th October





The World's leading food processing and packaging solutions company



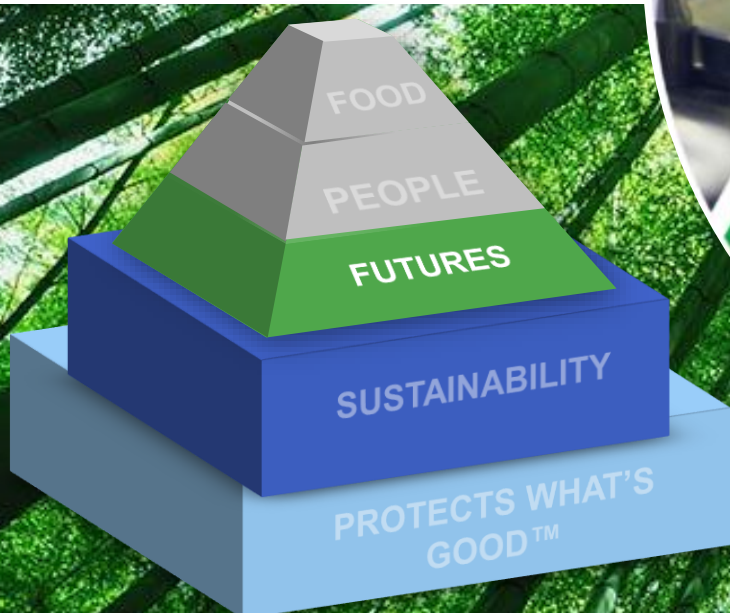
Our Approach to Sustainability

Our commitment to the UN SDGs:



Top material aspects:

- ◆ Food availability
- ◆ Customer health and safety
- ◆ Food waste



Our commitment to the UN SDGs:



Top material aspects:

- ◆ Occupational health and safety

Our commitment to the UN SDGs:

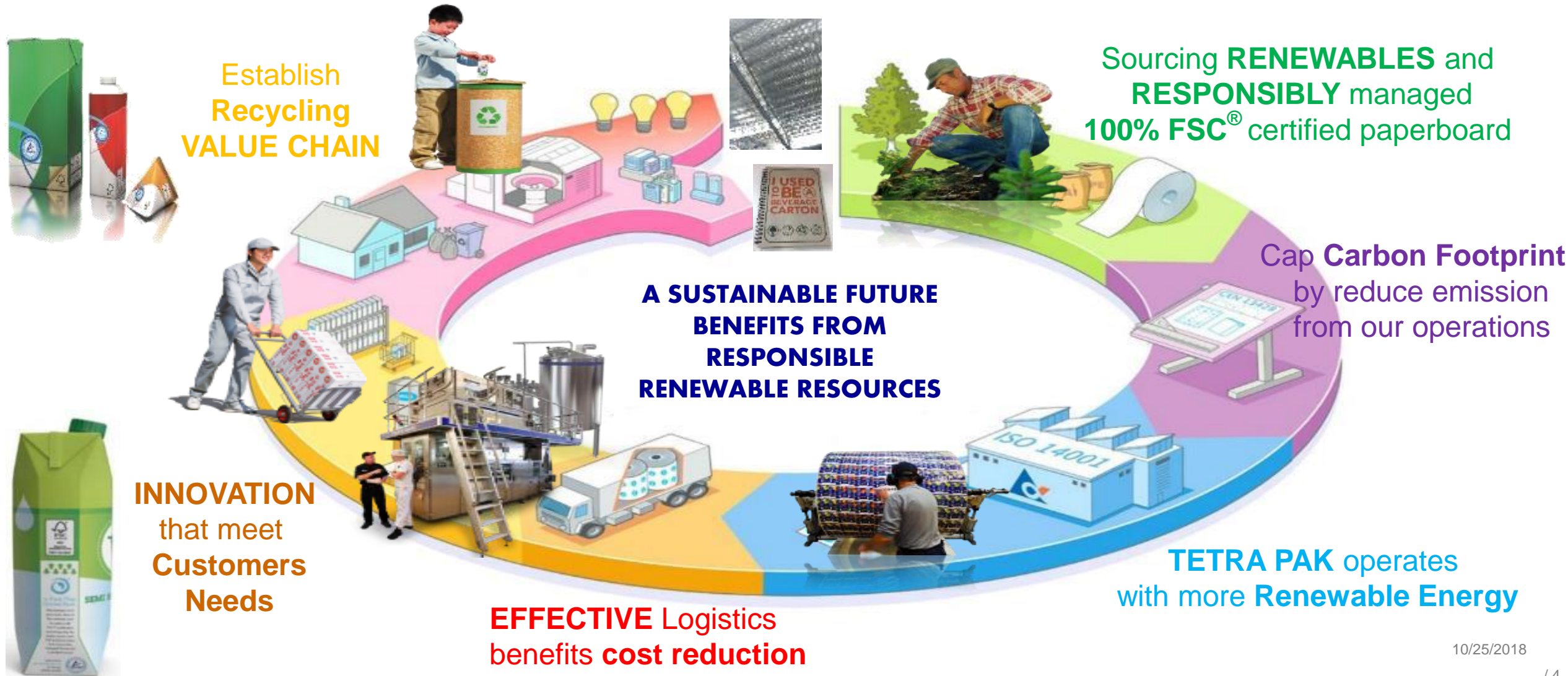


Top material aspects:

- ◆ Supplier environmental assessment
- ◆ Supplier water use



Driving Environmental Excellence with an Open Loop Circular Economy model

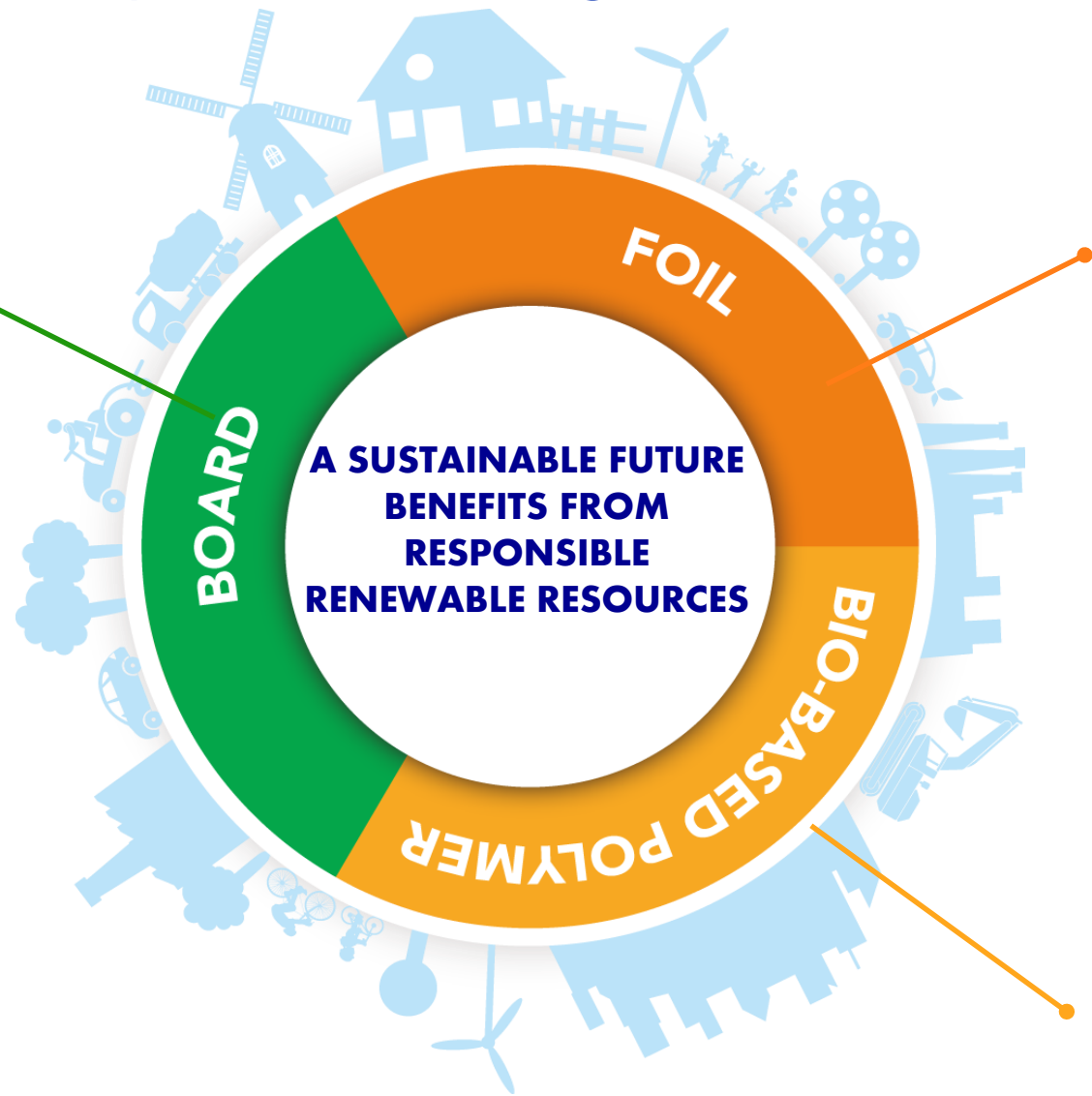




Renewable materials must be responsibly sourced

Also requires responsible sourcing with credible certification

300 billion FSC labelled
Tetra Pak packs since 2007
42% of total volume in 2017
Full CoC certification



Standard developed in
consensus process

14 companies engaged
13 NGOs and civil society
Tetra Pak one of the founders
IUCN facilitator



Code-of-conduct in place since 2001
Traceability to farmers



What is FSC™?



Forest Stewardship Council™

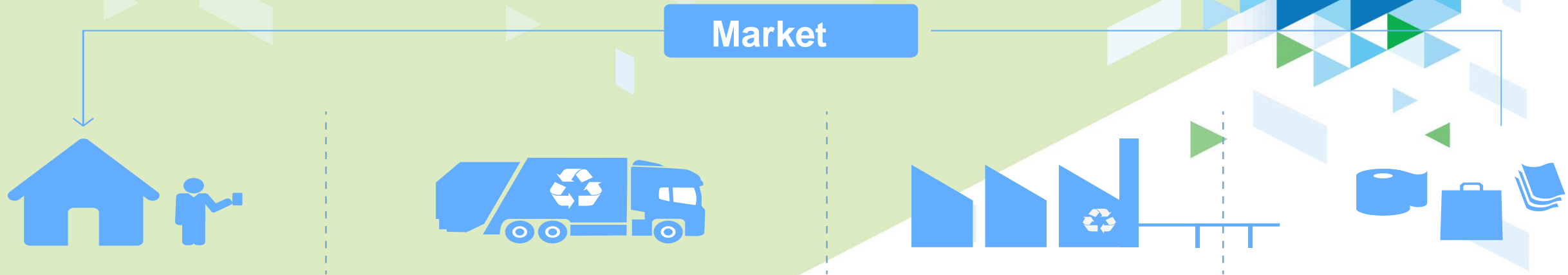
A world recognized certification

FSC™'s mission is to promote the environmentally appropriate, socially beneficial and economically viable management of the worlds forests



How To Make Recycling Value Chain Works ?

Recycling is NOT our own Business...
but it's our **business** to make **recycling** works...



Colourful cartoons: Engaging children

Launched by Tetra Pak UK, www.smartcartonrecycling.co.uk is home to cartoons, fun puzzles and activities. It is designed to get children thinking about **recycling and sustainability**.



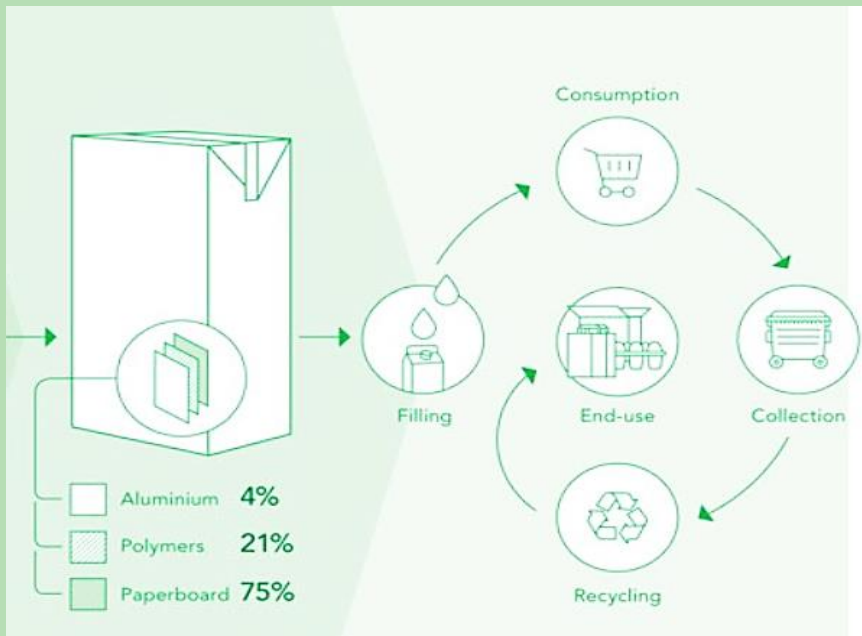
Increased recycling

With development **support from Tetra Pak**, the Chinese recycling company, Hangzhou Fulun Ecology Technology **increased its recycling capacity** from 20k tonnes of paper to 35k tonnes (75% increase) in just under 10 years. They now also **recycle the plastic and aluminium (PolyAl)** from used beverage cartons, and sell it to plastic recyclers and fireworks manufacturers.



Used cartons are not waste...

They are valuable raw material for new products in other industries





Cartons can be recycled into many products

Paper fibre

Paper cores



Cardboard



Paper bags



Tissue paper



Office paper



Envelopes



Food boxes



Moulded fibre



Plastic & aluminium

Plastic pellets



Aluminium flakes



Panels



Profiles





Increase consumer awareness

Increase consumer awareness



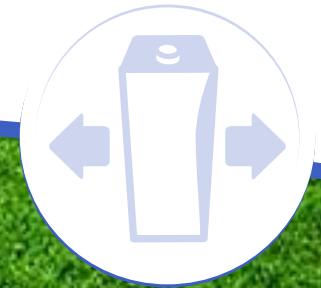
Support collection & sorting infrastructure



Boost business opportunities for recycling entrepreneurs



Expand market opportunities for recycled materials



- Drive **consumer campaigns**
- Drive **school programmes**
- Partner with local organisations

“One Pack, One Act for Our Earth, for Our Society”

We teach school children in Indonesia about renewable resources material and recycling

In 2016 – 2017, more than **110 schools (30,000 kids & 6,000 teachers;** parents) and **14 location** of Retailers consumers has been enlighten with the value of used beverage cartons.



Consumer awareness and engagement

“One Pack, One Act for Our Earth, for Our Society”

- Community Development
- Dropbox at Retailers
- School programs
- FSC Friday
- Environment events



One Pack One Act
for Our Society



Support collection and sorting infrastructure

Increase consumer awareness



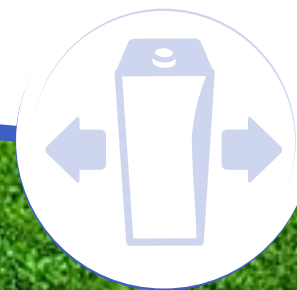
Support collection & sorting infrastructure



Boost business opportunities for recycling entrepreneurs



Expand market opportunities for recycled materials



- Connect **collectors and recyclers**
- Cooperate with key stakeholders

Tetra Pak Indonesia supporting quality improvement of used beverage cartons collected, by provide proper weighing scales, pressing machine and expand collection network

4 UBC collection partners located in Java & Bali, at 2017 **collected 2,300 tons** of post consumer waste – used beverage cartons.



Developing collection networks for used cartons

- 2 Paper mills
- 1 Pulp & paper research center
- 1 Polyethylene-aluminum recycler
- Environmental partners
- Over 80 collection centers





Boost business opportunities for recycling entrepreneurs

Increase consumer awareness



Support collection & sorting infrastructure



Boost business opportunities for recycling entrepreneurs



Expand market opportunities for recycled materials



Plant upgrades in recycling facilities reaching 4,095 tones annually (2017)

With Tetra Pak Indonesia development, we are able to optimize capacity and improve production efficiency of the Paper Recycler partners. They now also recycle the plastic and aluminium (PolyAl) from used beverage cartons, and produce polyal roof sheets and polyal board.

- Recommend recycling solutions
- Support technological developments



Plant upgrade in recycling facilities

Optimize capacity and improve production efficiency

- Recycling technology knowledge transfer
- Technical assistance to promote recycling technology



- ▶ BPPK (Balai Besar Pulp dan Kertas)
- ▶ Paper Recycler Manufacturer, Tangerang



Expand market opportunities for recycled materials

Increase consumer awareness



Support collection & sorting infrastructure



Boost business opportunities for recycling entrepreneurs



Expand market opportunities for recycled materials



Create market demand and develop innovative promotion strategy for roofing tiles in Indonesia

Since 2014, we have supported the market for roofing tiles made out of plastic and aluminium from recycled beverage cartons.

Manufacturers and develop recycle product innovation, which led to important product improvements.

Now, **over 100,000 sheets** has been distributed for parking lot, farms, warehouse, car port application and furniture.

- Match recycled materials and market needs
- Promote recycled end-products



Develop and support recycled product innovation

Create market demand and develop innovation promotion strategy

- Promote and channel recycled end product
- Identified and support product innovation and marketing of recycled end products





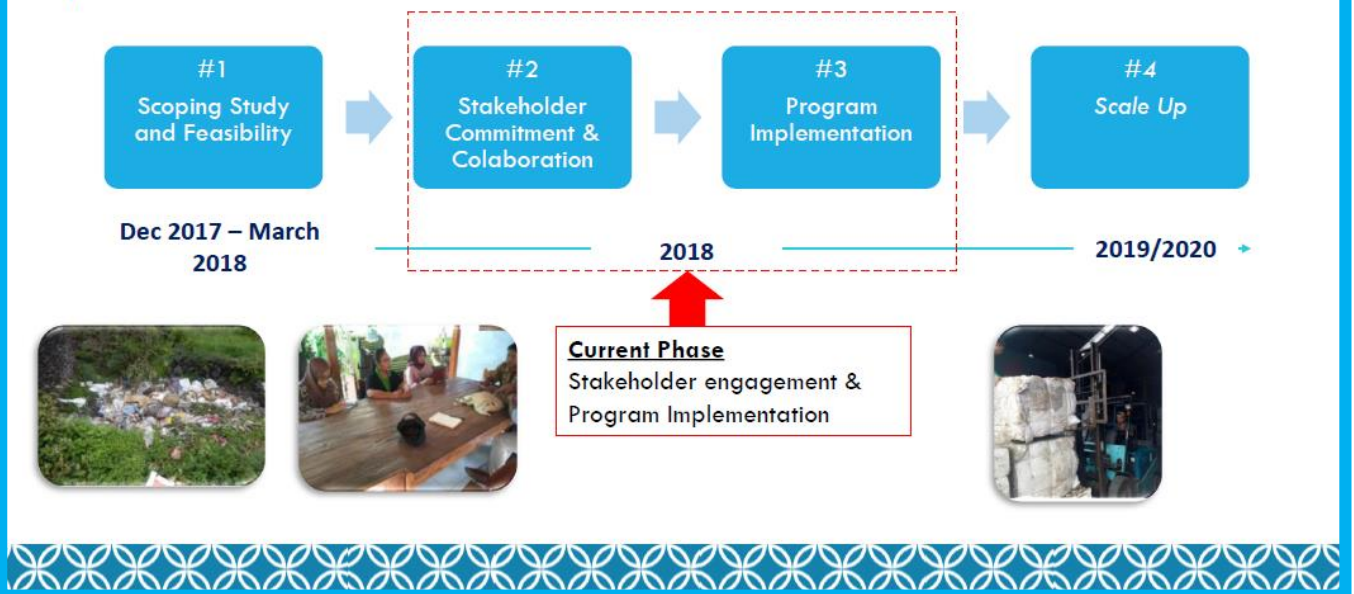
Packaging and Recycling Association for Indonesia Sustainable Environment

In Bali BERSIH, we aim to :

- Minimize leakage of waste to the ocean.
- **Generate on-ground evidence** of effective solutions that can be scaled up across Bali and eventually Indonesia
- **Accelerate the enabling ecosystem** for recycling and reuse of waste and **facilitate collaboration with stakeholders**, especially in southern Bali (Sarbagita – Denpasar, Badung, Gianyar, Tabanan)

Bali BERSIH has started in 2017 and is planned to be continues up to 2020

- The phases includes scoping study, up to scale up.





THANK YOU

<http://tetrapak.com/id/sustainability/daur-ulang-kemasan>

