Packaging and Recycling Alliance for Indonesia Sustainable Environment (PRAISE)
About PRAISE

- PRAISE is **Packaging & Recycling Alliance for Indonesia Sustainable Environment**
- We are an alliance to support the development of sustainable and integrated packaging waste management solutions in Indonesia
- We were formerly established as the ‘Coalition for Sustainable Packaging’
- Six companies initiated PRAISE as founding members
Vision & Mission

Vision
To establish best practices which support the development of sustainable packaging waste management solutions in Indonesia

Mission
1. Create awareness of Extended Stakeholder Responsibility (ESR) as a multi-stakeholder integrated approach to sustainable waste management in line with the concept of a Circular Economy
2. Strengthen capacity of members through research, education and collaboration
3. Enlist participation of all stakeholders in government, private sector and public to actively take part in reducing impacts of packaging waste on the environment
Our Focus

Supporting the establishment of ESR framework with focus to optimize the potentials of instituting sustainable Circular Economic Model.

ADVOCACY
To drive the implementation of ESR Framework into Waste Management Policy in Indonesia.

PUBLIC EDUCATION
To create a well-informed generation about the importance of waste management practices.

EMPOWERMENT
To drive collaborative action within ESR framework actors through various initiatives.

As partner to Government and its entire stakeholders in formulating and implementing national strategy for integrated and sustainable post consumer packaging waste management.
Our progress, 2010-2012

2010
Memorandum of Understanding on establishment of Coalition for Sustainable Packaging

2010-2011
WASTE COMPOSITION STUDY at Bantar Gebang municipal landfill with University of Indonesia and Indonesia Business Links

2012
Pilot program on Waste Bank in Pejaten, South Jakarta
Our progress, 2013-2015

2013-2015 Series of workshops to provide feedback and input on Extended Producer Responsibility and National Policy & Strategy on Waste Management

Our progress, 2016

2016
Field Study to Thailand to visit AIT*, TIPMSE**, Wongpanit collection center and Waste Picker community

* Asian Institute of Technology
** Thailand Institute of Packaging and Recycling Management for Sustainable Environment
Our progress, 2016

2016 Study with University of Indonesia on Economic Impact if Plastic Excise is implemented
Our progress, 2017

2017
Our progress, 2017

Ongoing meetings and discussions among PRAISE members and with key stakeholders such as Ministry of Forestry and Environment, Coordinating Ministry of Maritime Affairs, MarineChange, Waste4Change, INDOWASTE 2017 on CE.
Our progress, 2017

2017
Ongoing meetings and discussions among PRAISE members

At Nestlé Indonesia

At Danone Indonesia

At Coca-Cola Indonesia

At Unilever Indonesia

At Indofood
LINEAR ECONOMIC MODEL

TAKE MAKE USE / CONSUME DISPOSE
Extended Stakeholder Responsibility (ESR) is a multi-stakeholder framework which involves all parties across the value chain, which is aligned with the Circular Economy concept.
Our Best Practices

Innovation → Collection → Sorting → Pretreatment/Treatment
Coca-Cola Sustainable Commitment to Environment

2020 Sustainability Commitments

Our Sustainability framework – what we call “Me, We, World” – is our shared vision for how we can work together to create social value and make a positive difference for the consumers and communities we serve.

world  Protecting the environment

Water
Replace 100% of water used in our finished products

Climate Protection
Reduce the carbon footprint of the drinks

Sustainable Agriculture
Sustainability sourcing key agricultural ingredients

Packaging
Reach a 75% recovery rate for the number of bottles and cans, equivalent to what we introduce into developed markets

Use PlantBottle™ packaging for all PET bottles, up to in 50% plant material

INNOVATIVE PACKAGING

35 Billion+ PlantBottle™ Packages in over 200 countries

6,900+ Recycling Bins in the 2014 FIFA World Cup™

743,000+ barrels of oil saved 15%

Since 2008, we have reduced packaging weight to

Since 2010, ABC has protected more than 130,000 turtle eggs
Coca-Cola Sustainable Commitment to Environment

Made with 111 plastic bottles.
CREATE SECOND LIFE FOR OUR PLASTICS

- 6 Collection Centers in Tangerang, Bandung, Bali and Lombok
- Proper working condition & safety
- 12,000 Tons PET plastic collected
- Jobs for > 9000 waste-pickers
- Open access of health insurance for waste-pickers
- Support waste bank development in Bogor, Jakarta and surrounding factories
- > 17 % Light weight
INISIATIF INDOFOOD DALAM MENJAGA KEBERLANJUTAN LINGKUNGAN

PENERAPAN TEKNOLOGI RAMAH LINGKUNGAN

Melalui Grup CBP yaitu PT Asahi Indofood Beverage Makmur (AIBM), menerapkan Teknologi Ramah Lingkungan salah satunya dengan melakukan inovasi dibidang *manufacturing*, yaitu sistem “Aseptic Filling, berupa proses produksi dimana hasilnya adalah penghematan biaya, dan penggunaan botol plastik yang lebih efisien dan ramah lingkungan.

PENGELOLAAN SAMPAH BERBASIS KOMUNITAS (PROGRAM BANK SAMPAH)

Upaya mengurangi, memanfaatkan kembali dan melakukan daur ulang pada bahan kemasan dan mengolah limbah lainnya secara mandiri dan berkelanjutan telah dilakukan Indofood melalui Institusi Bank Sampah, dan telah dibangun Bank Sampah di DKI Jakarta sebanyak 2 Bank Sampah dan Lampung di 3 lokasi, inisiatif ini akan terus dilanjutkan dengan belajar dari unit-unit yang sudah ada dan kemudian dilakukan penyempurnaan terhadap prosedur, mekanisme dan peningkatan komitmen dari penyelenggara bank sampah tersebut agar mampu terjaga keberlanjutannya.
**Our Vision for Packaging in a Circular Economy:**

Renewable materials, sustainably sourced, increase recycling and doing more with less

Support policy makers and businesses partners in collaboration to maximize the potential of the Circular Economy

<table>
<thead>
<tr>
<th>Only <strong>Renewable</strong> ensure an infinite supply of raw materials</th>
<th>Materials must be sourced under <strong>environmentally</strong> and <strong>socially acceptable conditions</strong></th>
<th><strong>Recycling</strong> transforms waste into a new resource</th>
<th>Resource <strong>efficient</strong> products and processes makes business sense</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Why</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Innovation in renewable materials (made of plants or <strong>bio-mass</strong>, as only renewable materials <strong>re-grow</strong> or regenerate) stimulates growth and jobs.</td>
<td><strong>Why</strong></td>
<td><strong>What’s needed</strong></td>
<td><strong>Why</strong></td>
</tr>
<tr>
<td><strong>What’s needed</strong></td>
<td></td>
<td>• Government policies should promote responsible sourcing and adopt National or International standards for responsible sourcing.</td>
<td>• More <strong>efficient products</strong> and processes minimise waste, consumption of resources and cost.</td>
</tr>
<tr>
<td>• Partnership and <strong>Empowerment</strong> with Government Regulation in use of <strong>renewable materials</strong> (e.g. for packaging).</td>
<td><strong>What we do</strong></td>
<td><strong>What's needed</strong></td>
<td><strong>What we do</strong></td>
</tr>
<tr>
<td><strong>What we do</strong></td>
<td></td>
<td>• Municipalities / governments should ensure separate collection of recyclable &amp; non-recyclable waste, stimulate the development of recycling technologies.</td>
<td>• Our food processing and filling equipment represents best available techniques, as Our <strong>innovation</strong> is geared to offer new products and services that minimize resource use and <strong>reduce cost</strong> for our customers.</td>
</tr>
<tr>
<td>• The average renewable content in our carton packaging material today accounts for 75% and we aim to offer a <strong>100% renewable</strong>, aseptic package.</td>
<td></td>
<td><strong>What we do</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Tetra Pak carton packages are recyclable. We engage as <strong>catalysts in the recycling value chain</strong> to facilitate and support the establishment of <strong>sustainable recycling solution</strong> for consumer packaging.</td>
<td></td>
</tr>
</tbody>
</table>
MENUJU ZERO WASTE PADA 2020

OPTIMALISASI KEMASAN

Di Nestlé, kami berkomitmen untuk menjalankan bisnis dengan menerapkan prinsip keberlanjutan demi masa depan generasi mendatang.

PENGURANGAN BERAT & VOLUME KEMASAN

PENGHEMATAN BERAT KEMASAN

<table>
<thead>
<tr>
<th>Year</th>
<th>Weight (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>573 T</td>
</tr>
<tr>
<td>2013</td>
<td>1,163 T</td>
</tr>
<tr>
<td>2014</td>
<td>186 T</td>
</tr>
<tr>
<td>2015</td>
<td>248 T</td>
</tr>
</tbody>
</table>

Upaya kami untuk terus menerus mengurangi beban dan volume kemasan bertujuan untuk terus menjaga keberlanjutan lingkungan karena dapat mengurangi limbah, menjaga sumber daya alam, serta mengurangi emisi akibat beban transportasi.

PEMILAHAN SAMPAH

PEMILAHAN BERDASARKAN JENIS SAMPAH YANG DILAKUKAN DI FABRIK NESTLÉ

KERTAS
- KERTAS HASIL DAUR ULANG
- KERTAS BAYAR

METAL
- PLASTIK
- BESI

PELABUAN BESI
- EXTRUDER
- PELET PLASTIK

BAHAN BAKAR ALTERNATIF
- SCRAP BUYER
- FABRIK PELEBURAN BESI

BAHAN LAMBAT
- SCRAP BUYER
- FABRIK PELEBURAN BESI

METAL
- SCRAP BUYER
- FABRIK PELEBURAN BESI

PELAPORAN
- KERTAS HASIL DAUR ULANG
- KERTAS BAYAR

Nestlé
Good Food, Good Life
Unilever Packaging commitment

Pada Tahun 2025
Seluruh kemasan plastik bisa didaur ulang menjadi bahan baku plastik lagi

1. Mengurangi gramasi
2. Membuat lebih banyak kemasan yang bisa didaur ulang
3. Menggunakan lebih banyak bahan daur ulang

COMMITMENT FOR INDONESIA HIJAU

BANK SAMPAH

<table>
<thead>
<tr>
<th>Jumlah Bank Sampah (Unit)</th>
<th>Jumlah Kota Lokasi Bank Sampah Binaan Unilever (Kota)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.258 2015</td>
<td>17 2015</td>
</tr>
<tr>
<td>1.630 2016</td>
<td>18 2016</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jumlah Anggota (Orang)</th>
<th>Jumlah Sampah yang Terkumpul di Bank Sampah (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.558 2015</td>
<td>3.739 2015</td>
</tr>
<tr>
<td>73.228 2016</td>
<td>4.363 2016</td>
</tr>
</tbody>
</table>

CREASOLV®

Chemical Recycling : polymer to polymer
Let’s collaborate and be part of the solution!
<table>
<thead>
<tr>
<th>Program by</th>
<th>Product Design</th>
<th>INTERMEDIARY</th>
<th>TREATMENT</th>
<th>Intervensi sebelum Landfill/ Studi terkait sampah di LANDFILL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRAISE member Existing / Plan</td>
<td>Upper - Education - Collection (terkait edukasi Konsumen/ Masyarakat, Drop box, Bank Sampah Unit; Beach Clean Up)</td>
<td>INTERMEDIARY - Sorting - Transportation (Program dengan pengepul; transportasi; TPS 3R, Bank Sampah Induk)</td>
<td>TREATMENT (terkait proses Daur Ulang; RBU; teknologi pendaur ulang an)</td>
<td></td>
</tr>
<tr>
<td>CocaCola</td>
<td>Beach Clean Up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danone</td>
<td>Drop Box, Consumer Education, Waste Bank, Beach Clean up</td>
<td>Bank Sampah Induk, TPS 3R, Collection Center dengan Pengepul</td>
<td>RBU, Recycling PET into Dacron / T Shirt, Geo Textile</td>
<td>Studi di Bali</td>
</tr>
<tr>
<td>Indofood</td>
<td>Waste Bank, Public Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nestle</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Tetra Pak</td>
<td>Drop Box in Retailer, Education program with EcoBali &amp; Bali Hotel Association</td>
<td>Segregated beverage carton collection and transportauiin</td>
<td>Daur Ulang Kertas</td>
<td></td>
</tr>
<tr>
<td>Unilever</td>
<td>Drop Box (in plan) Bank Sampah Unit di Bali(collab with Pemda &amp; BWL) (existing)</td>
<td>Bank Sampah Induk</td>
<td>CreaSolv®</td>
<td>Studi komposisi di Benowo</td>
</tr>
</tbody>
</table>