## REAL CIRCULARITY DRIVES A SUSTAINABLE FUTURE

It's time to change the way we think about packaging. We must examine the long-term impact of the choices we make. And we need to use materials that can be - and actually are - used again and again. That will put us on the path to Real Circularity. And that's how we rebuild our economy and tackle some of the biggest environmental challenges we face.

## CHALLENGE

## A GLOBAL PACKAGING POLLUTION CRISIS

We consume more than the planet can sustainably provide - our global footprint is nearly $\mathbf{1 . 7 5}$ planets
Humans generated 2.01B tons of solid waste in 2016
Packaging is responsible for $\mathbf{5 0 - 7 0 \%}$ of the world's plastic pollution
of solid waste generated by humans in 2016

## SOLUTION

## CIRCULAR MATERIALS THAT BENEFIT THE PLANET

A new comparative Life-Cycle Assessment (LCA) developed by Sphera is revealing deeper insights about the circularity of common single-use packaging choices.
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Infinitely recyclable with high recycled content and higher recycling rates,
ALUMINUM
PACKAGING HAS THE HIGHEST MCI SCORE
 circular product. MCI includes non-recycled renewable fibres as circular. Other methodologies do not.

of all aluminum ever produced is still in use
emissions of
all packaging

## WE CAN AND MUST IMPROVE THE CARBON FOOTPRINT OF PACKAGING

Aluminum's high recycling rates dramatically reduce the carbon footprint of cans
(not true for plastic or cartons)
Cans have the best MCl for single use packaging and also beat returnable glass in CO 2 e emissions


Increasing renewable energy use in manufacturing, combined with increases in lightweighting and recycled content, could help cut the carbon footprint of 12 oz . cans $\mathbf{3 3 \%}$ by 2030


RECYCLED CONTENT

## IMPACT

## A BOOST TO THE ECONOMY

Aluminum cans are the most valuable recycled packaging material in Brazil, yielding income to recyclers nearly 400\% higher than PET and $6,000 \%$ higher than glass (on average per tonne of UBCs)
The high value of UBCs helps support 800,000 recycling jobs in Brazil Low yield loss means more containers can be made from the same material remaining in the loop - making aluminum more circular and even more valuable as recycling rates increase

## 6000\% <br> higher income for recyclers

 from aluminumMORE CIRCULAR = MORE VALUABLE

