



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 **1.75** planets Humans generated **2.01B** tons of solid waste in 2016 Packaging is responsible for **50-70%** of the world's plastic pollution In Brazil, only **55%** of plastic packaging waste was recycled in 2019

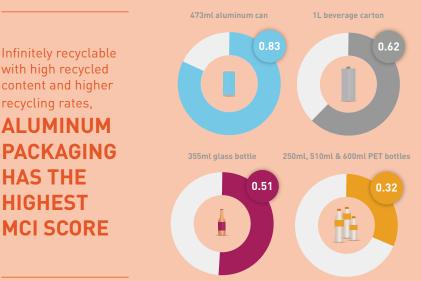
Only **40%** of glass packaging, important to the Brazilian beer sector, is recycled



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.



The Material Circularity Indicator (MCI) methodology uses a scale of 0 to 1, with 1 being a perfectly circular product. MCI includes non-recycled renewable fibres as circular. Other methodologies do not.



of all aluminum ever produced is still in use

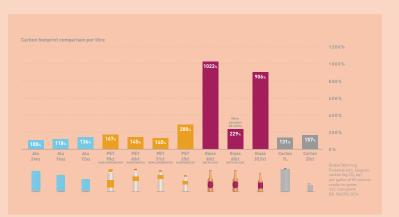




WE CAN AND MUST IMPROVE THE CARBON FOOTPRINT OF PACKAGING

Aluminum's high recycling rates dramatically reduce the carbon footprint of cans (not true for plastic or cartons)

Cans have the best MCI for single use packaging and also beat returnable glass in CO2e emissions



97% of aluminum cans are recycled in Brazil

Increasing renewable energy use in manufacturing, combined with increases in lightweighting and recycled content, could help cut the carbon footprint of 12 oz. cans **33%** by 2030 33% reduction in cans' carbon footprint achievable by 2030

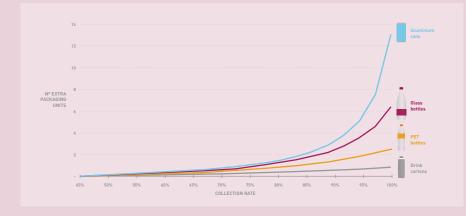


IMPACT A BOOST TO THE ECONOMY

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





MORE VALUABLE



FOR SOURCING AND MORE INFORMATION: **BALL.COM/REALCIRCULARITY**