

THE PLASTIC EVOLUTION

INNOVATION ON THE CIRCULAR ECONOMY OF PLASTICS

CHALLENGE

CIRCULAR SOLUTIONS FOR PLASTIC PACKAGING

How to increase the circularity of plastic in Chile?

The plastic recycling rate in Chile is low, during the year 2018 only 7% of the 731 thousand tons placed on market were effectively recycled, which, among other reasons, **is due to the low demand of recycled plastic**. As a Pact, our commitments are based on changing this reality and an opportunity through **circular design of plastic packaging that include recycled material has been identified**. Additionally, it's vital **to reduce the generation of single-use plastics** that negatively impact our environment and shift to new design that are recyclable, reusable or compostable.

In this sense, we are seeking circular sustainable and disruptive solutions on plastic packaging that include a circular design perspective, to make available a larger number of designs that facilitate the recycling, reuse or composting of plastic packaging for:

1. Incorporation of recycled plastic material packaging.
2. Avoid using single-use plastic throughout the complete value chain of the members of the Pact.
3. New materials, designs, and innovative uses of plastic. These designs are expected to have an alternative of circular valorisation.



Solutions in the incorporation of recycled plastic into packaging for the whole value chain (plastic producers, packaging manufacturers, brands, and recyclers). It's expected that these solutions will maintain the plastic packaging circulating and facilitate the incorporation of recycled plastic within them. Therefore, the rate of recycled plastic in Chile would increase, decreasing the amount of plastic that end on landfills or end up in the environment.



Alternatives for materials, innovative packaging designs as replacements for problematic, unnecessary and single-use plastics: currently there are regulations that limit the use of problematic plastic elements or single-use plastics. The alternatives must replace in a substantial way the plastics mentioned in the single-use plastic bill: glasses, cups, mugs, cutlery (forks, knives and spoons), mixers, straws, dishes, food trays and its accessories, leads, within others. The proposed solutions must consistently meet the definition of circular economy, where they don't impact the environment in a negative way.



New materials, designs, and innovative uses of plastic. These designs are expected to have an alternative of circular valorisation. The components, materials and formats that are going to be consider are those which are required to provide the necessary functionality of the packaging. **Even though the main focus is reuse and recyclability, compostable packaging solutions and others are welcomed.**

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