

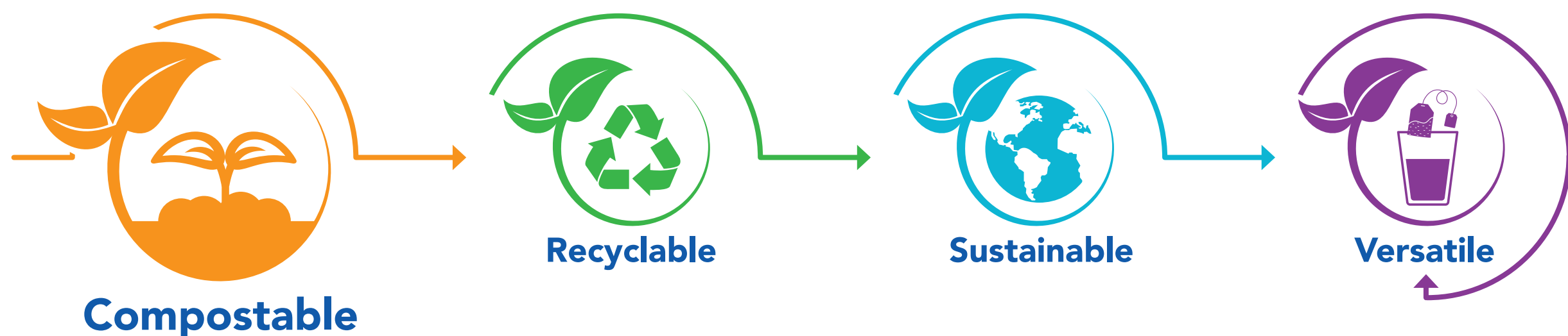
Back to earth

Facts about biobased
compostable plastic



Luminy® PLA

Beyond conventional plastic



Only 9%

of the world's conventional plastic
produced has ever been recycled¹



Contaminated
plastics with
food waste
cannot be
recycled



Food waste and
packaging ends
up in landfill or
incinerated and
not recycled



Mismanagement
of plastic waste
contributes to soil and
water pollution, as well
as global warming



**TotalEnergies Corbion uses sustainably
sourced sugarcane to produce
Luminy® PLA, a biobased versatile and
compostable plastic.**

A viable alternative to conventional plastic



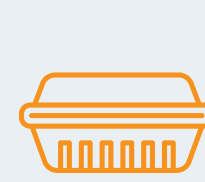
Extends
consumable food
life and avoids
food waste



Provides
convenience and
functionality
(items containing
food)



Avoids
contamination of
food waste stream
with plastic (items
often thrown with food
waste)



Improves
hygiene



Facilitates collection
of biowaste, and
diverts biowaste
from landfill and
incineration



Did you know?

Biobased compostable plastics such as PLA degrade in
industrial composting facilities and disintegrate faster
than orange peels and paper.

University research study²



**Luminy® PLA is certified EN 13432 /
ASTM D6400 in an industrial composter**

Composting organic waste and PLA produces high quality compost...



Free from persistent
microplastics
pollution



Reducing the
use of chemical
fertilizers



Bringing back
carbon to the soil
and providing soil
nutrients

BACK TO EARTH

Speak to our team to discover what Luminy® PLA
can do for your business: pla@totalenergies-corbion.com



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¹ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5517107/>

² <https://research.wur.nl/en/publications/the-fate-of-compostable-plastic-products-in-a-full-scale-industry>