

Alternative ways to #BeatPlasticPollution

Every year 13 million tonnes of **plastic** leak into the **ocean** harming our:



BIODIVERSITY



ECONOMIES



HEALTH

Drowning in plastic packaging



Plastic packaging accounts for **38% of plastic waste**



United States, European Union and Japan are the world's largest **plastic packaging producers**



China is the world's largest **plastic packaging consumer**



Only **9%** of the 1 billion tonnes of plastic produced is recycled

At this rate by **2050**



12 billion tonnes of plastic litter will end up in landfills and the ocean



The plastic industry will invest in **25%** of research and development

Did you know?



Biodegradability (breaks into harmless substances and is not an alternative) and



Bioplastics (made from plants, animals and fungi, sugar cane)



It takes **500 years** to break down plastic and decompose **biodegradable**



We use **one million** plastic bottles per minute



Alternatives to plastic



Biomass based compostable bio-polymers

STARCH



WHEAT



MAIZE



POTATO



CASSAVA

Starch based products are used to produce packaged goods in transit. Starch based material is highly compostable.



CELLULOSE



PAPER



LIGNIN



LIGNIN



LIGNIN



LIGNIN



LIGNIN



LIGNIN

Reusable objects



What can you do?

PUT PRESSURE ON:



PURCHASERS to take responsibility for waste management



GOVERNMENTS to invest in research and development for alternatives



RESEARCHERS to lead agricultural and horticultural research in a range of natural fibres and biomass to produce biopolymers



PROUD PRODUCERS to promote clear labelling of packaging, responsibility and sustainability