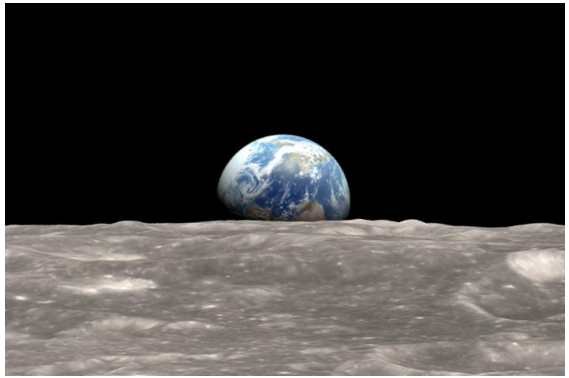
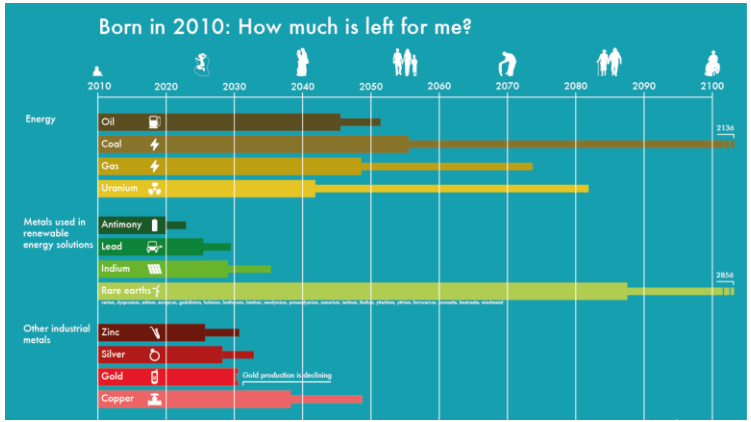
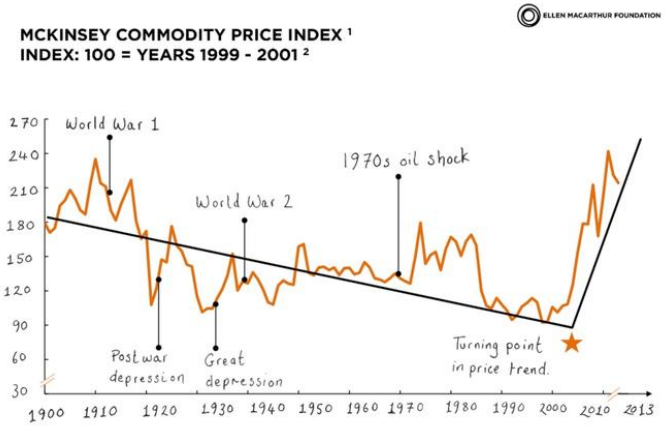
MY STORY

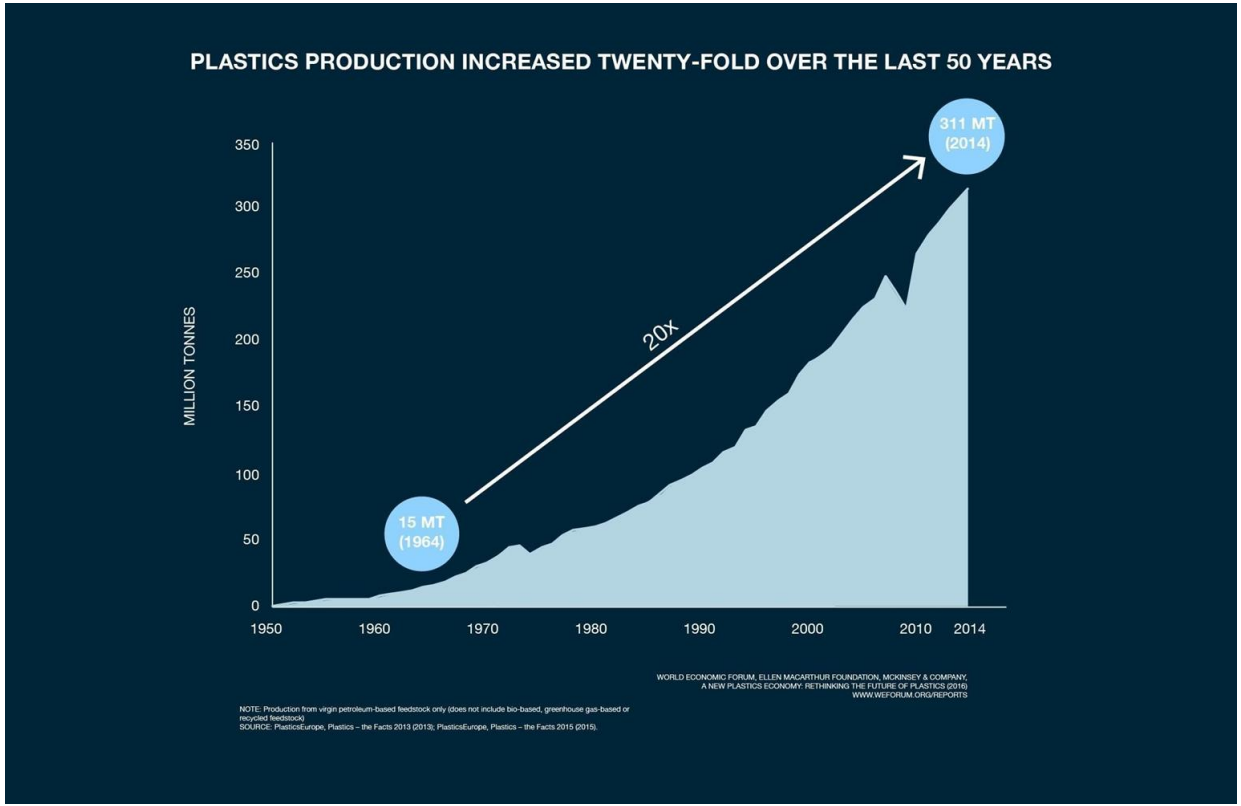


HOW WE LIVE TODAY





PLASTICS CASE STUDY



8 MILLION TONNES EVERY YEAR INTO OCEANS

=

1 LARGE GARBAGE TRUCK PER MINUTE

IMAGE: Why Files

IMAGE: EarthZine

USED FOR DAYS, TAKES 100’S OF YEARS TO DECOMPOSE

PLASTIC ENDS UP IN GIANT OCEAN GYRES

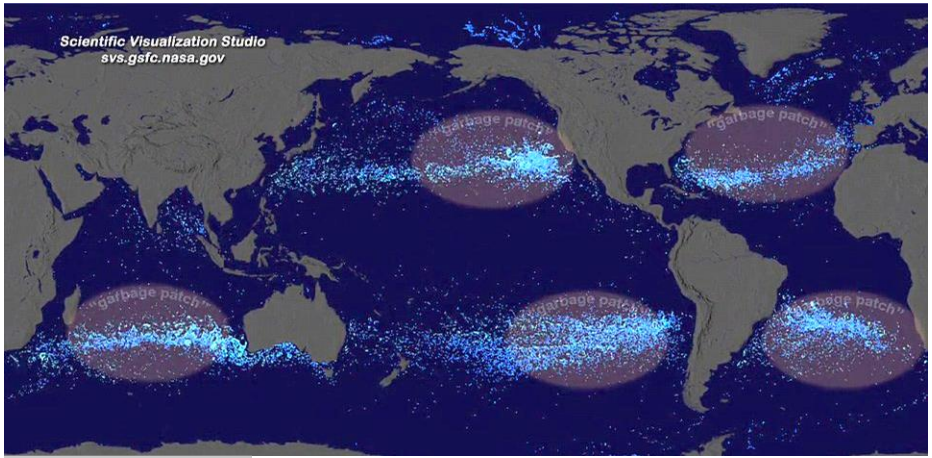


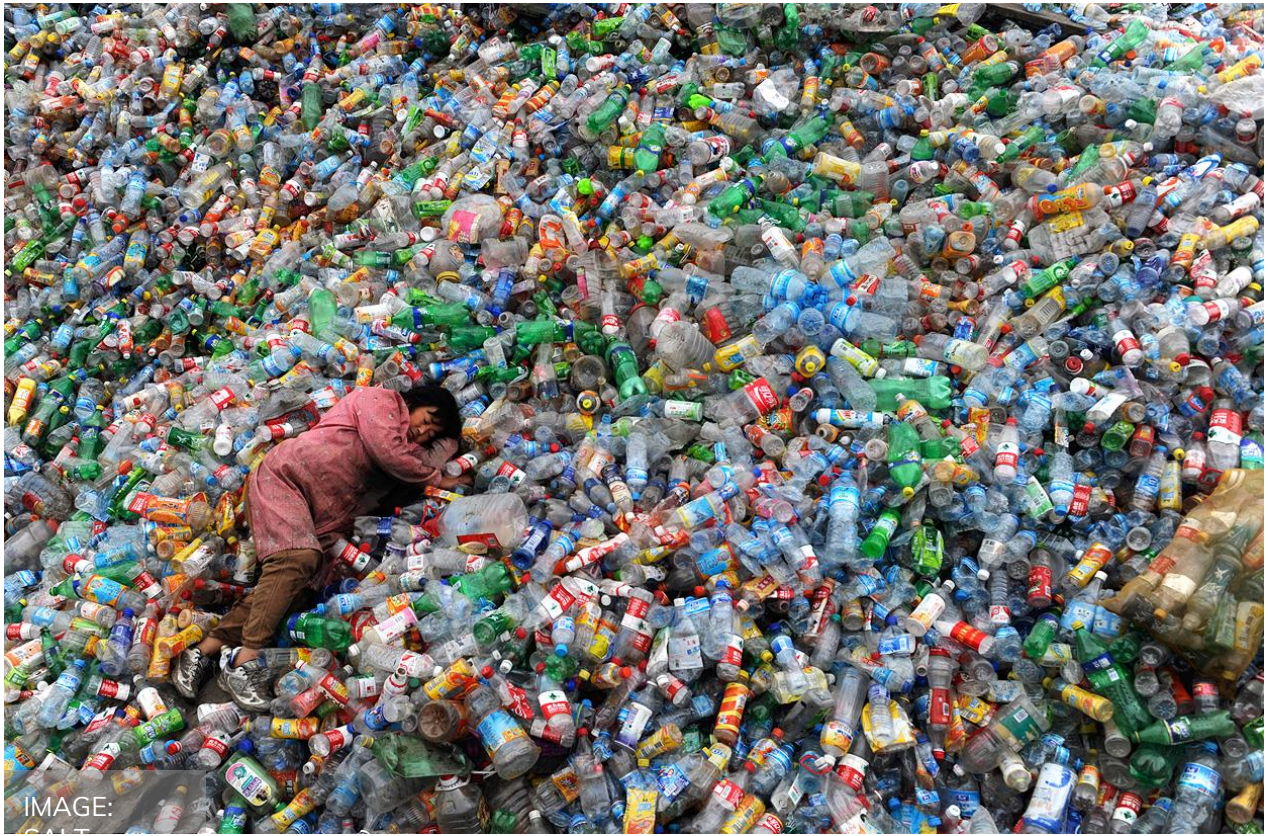
IMAGE: NASA

IMAGE: Ellen MacArthur Foundation

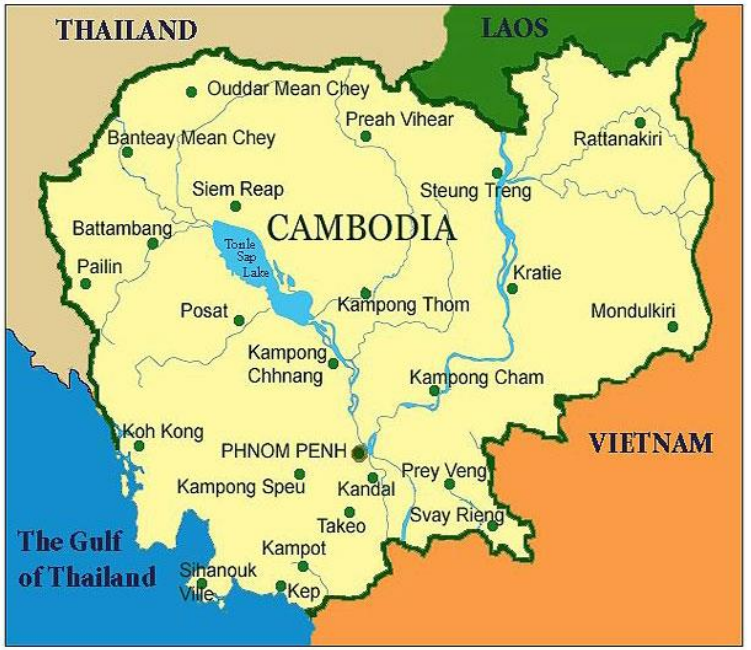
82% OF MISMANAGED PLASTIC IS FROM ASIA

IMAGE: CNN

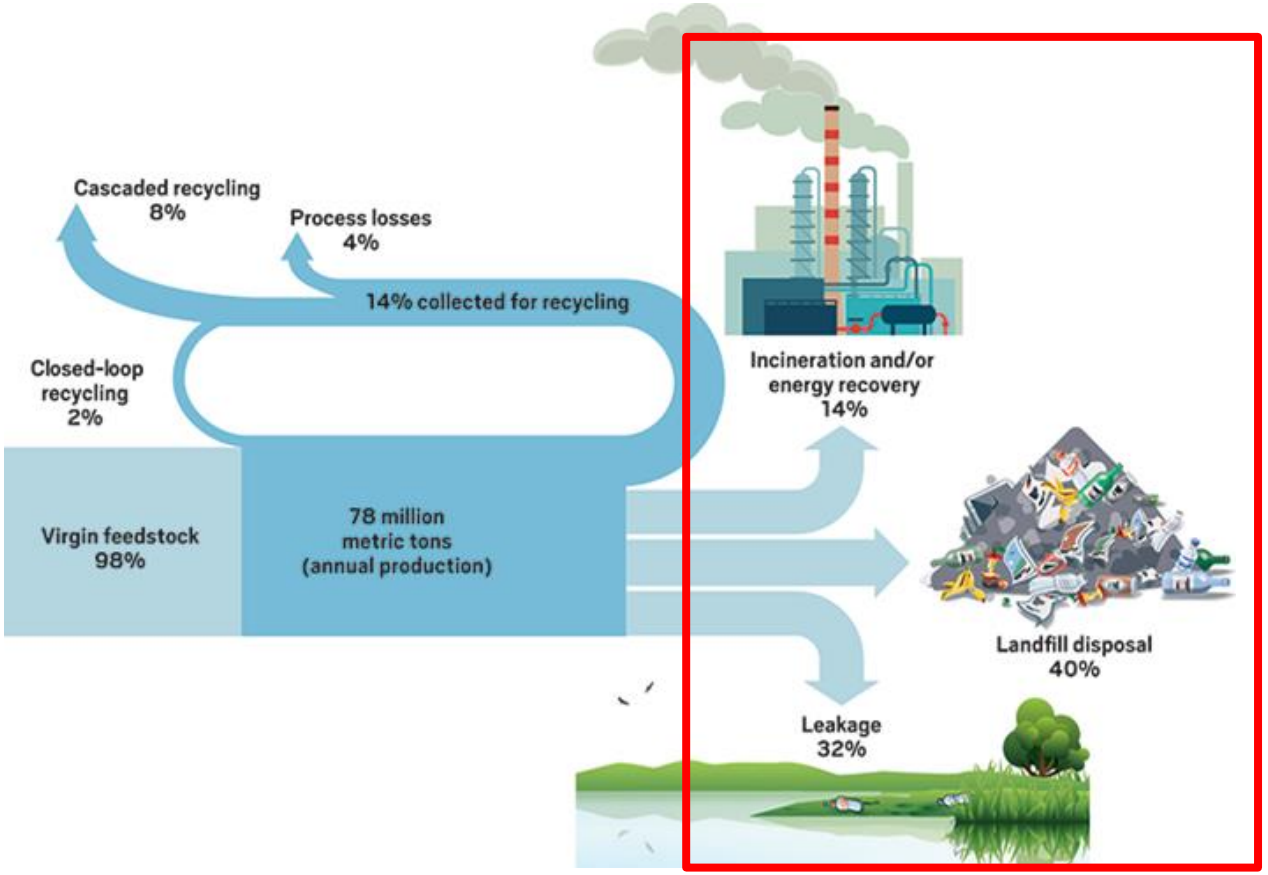
$80-120 BILLION OF PLASTIC PACKAGING THROW AWAY YEARLY



THAT'S EQUIVALENT TO 6 TIMES CAMBODIA'S ECONOMY



BECAUSE THE VAST MAJORITY OF PLASTICS ARE NOT RECYCLED



$1 TRILLION OF FOOD IS WASTED EACH YEAR

SINGAPORE RECYCLES ONLY 20% OF HOUSEHOLD WASTE

What happens after collection of recyclables from housing estates?

Recyclables are collected by a dedicated recycling truck and sent to a Materials Recovery Facility (MRF).

The recyclables are sorted into different waste streams, baled and sent to local and overseas recycling plants.

EXTENDING LIFESPAN OF INCINERATORS & LANDFILLS

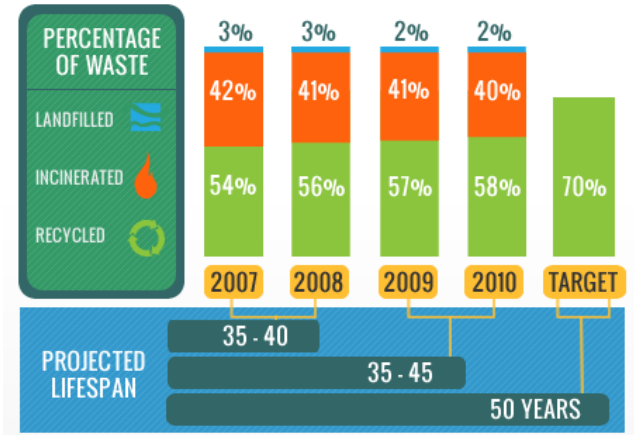
BUSINESS

Hyflux-Mitsubishi consortium to build S$750m waste-to-energy plant in Tuas

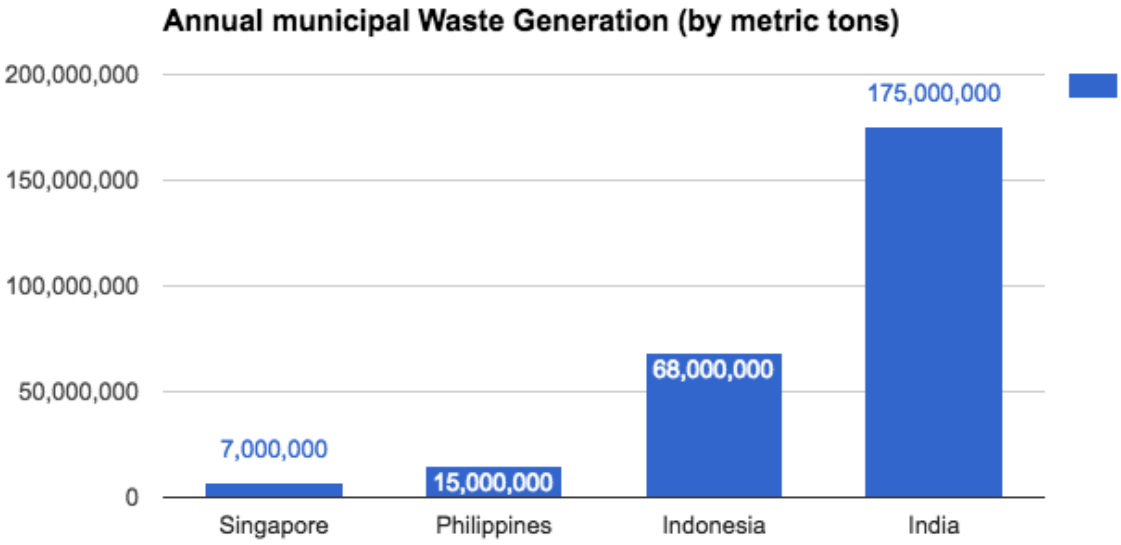
Posted 15 Sep 2015 14:34

An artist's impression of the waste-to-energy plant to be built in Tuas. (Image: NEA)

CAPTION



WHERE THE OPPORTUNITY LIES



THE FUTURE?

URBANISATION -> 3X GROWTH IN URBAN WASTE IN ASIA BY 2025!

Indonesia in state of waste emergency

Hans Nicholas Jong
The Jakarta Post

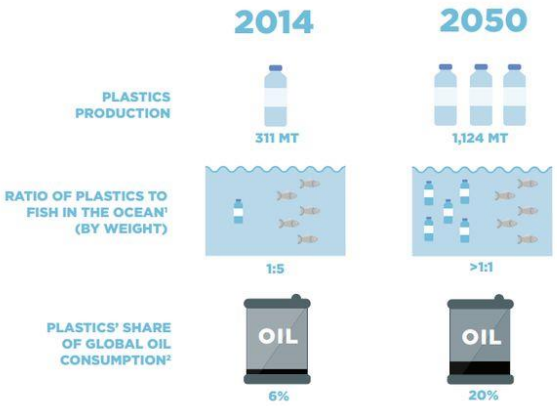
Jakarta | Fri, October 9, 2015 | 06:16 pm

Gone to waste: How India is drowning in garbage

INDIA Updated: Feb 09, 2016 18:54 IST

Poulomi Banerjee
Hindustan Times

WASTE EMERGENCY IN THE REGION



MORE PLASTIC IN THE OCEANS THAN FISH BY 2050

INCREASED REGULATIONS ON WASTE

NEWS | INDONESIA 15 SEPTEMBER 2016

Indonesia: Plastic tax to curb rubbish dumped in rivers

Home » Politics

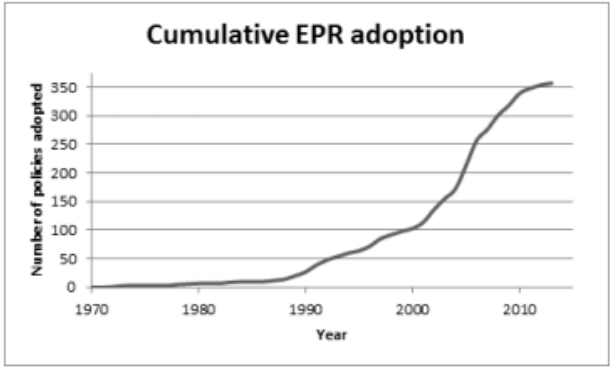
Last Modified: Sat, Mar 19 2016. 01 01 AM IST

Government notifies new plastic waste management rules

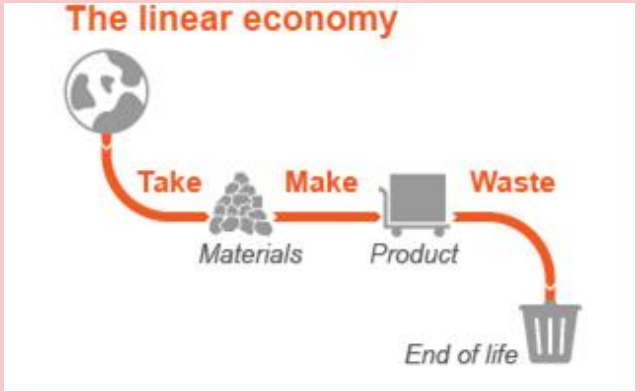
Under the new extended producer responsibility concept, producers are responsible for collecting waste generated from their products

Mayank Aggarwal

Figure 1. Cumulative EPR policy adoption over time.



THE LINEAR ECONOMY WASTES RESOURCES



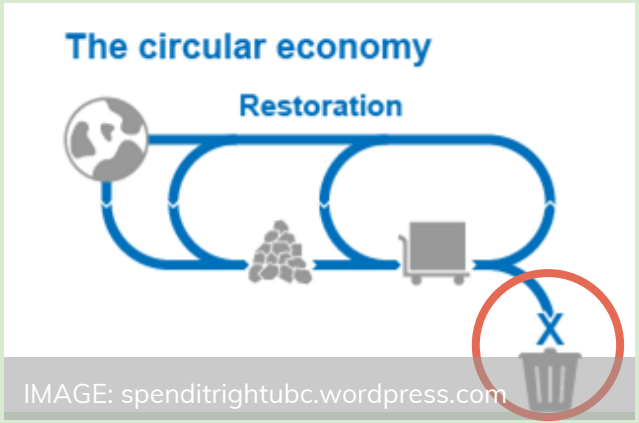


IMAGE: spenditrightubc.wordpress.com

WASTE IS “DESIGNED OUT”

BIOLOGICAL MATERIALS -
RETURNED TO THE SOIL OR USED AS ENERGY

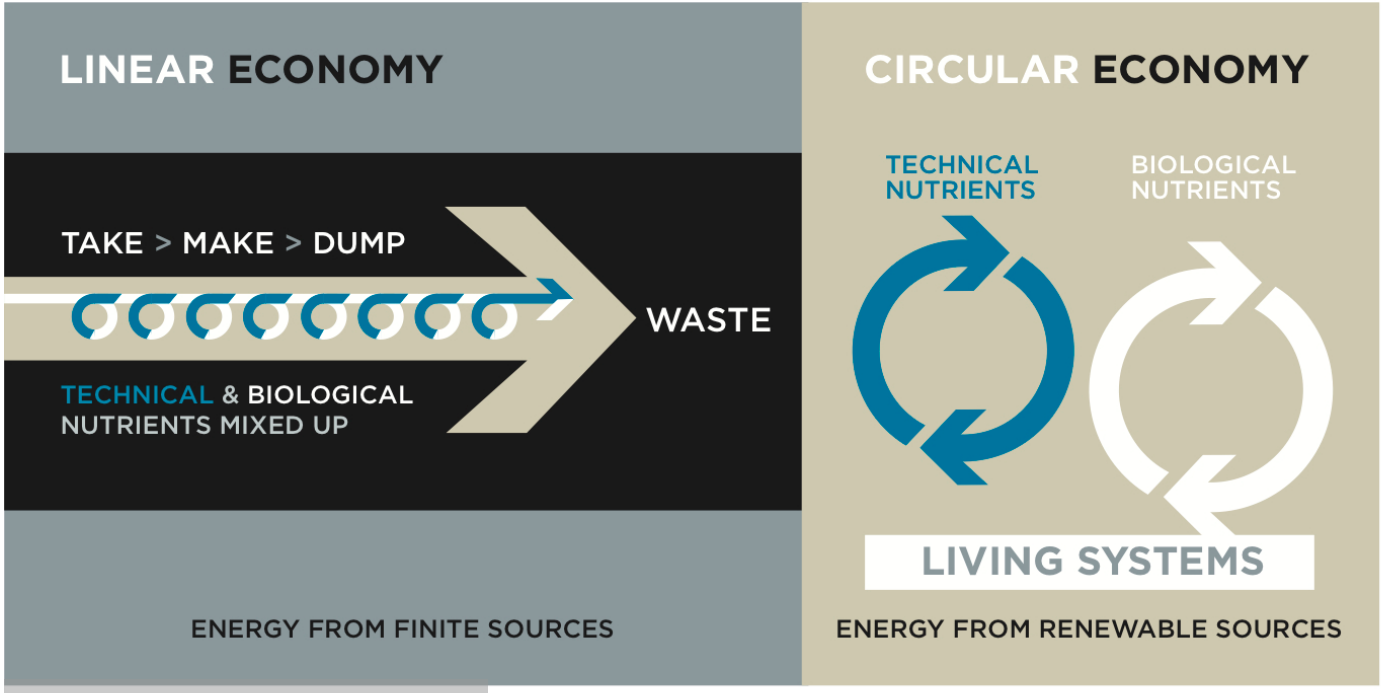


IMAGE: Ellen MacArthur Foundation

AFTER W McDONOUGH AND M BRAUNGART

TECHNICAL MATERIALS (LIKE PLASTICS) - DESIGNED TO BE RECOVERED, UPGRADED, REPAIRED, ETC

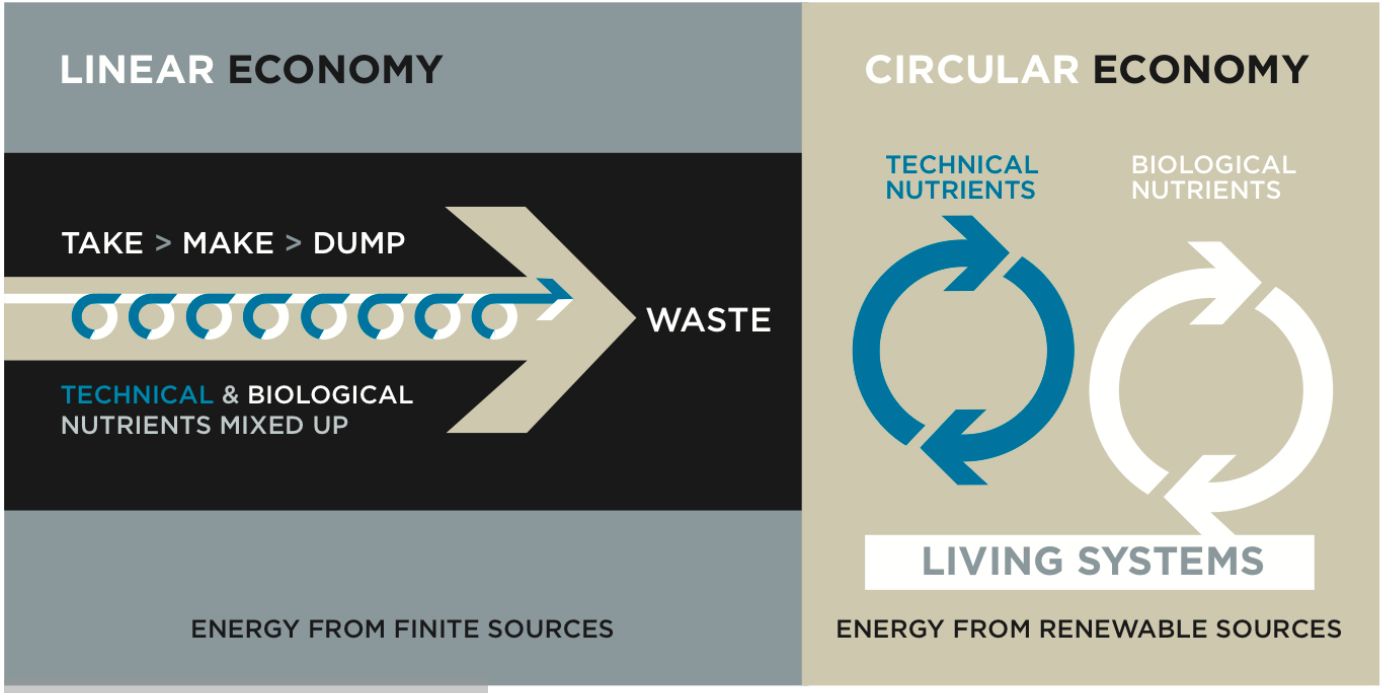
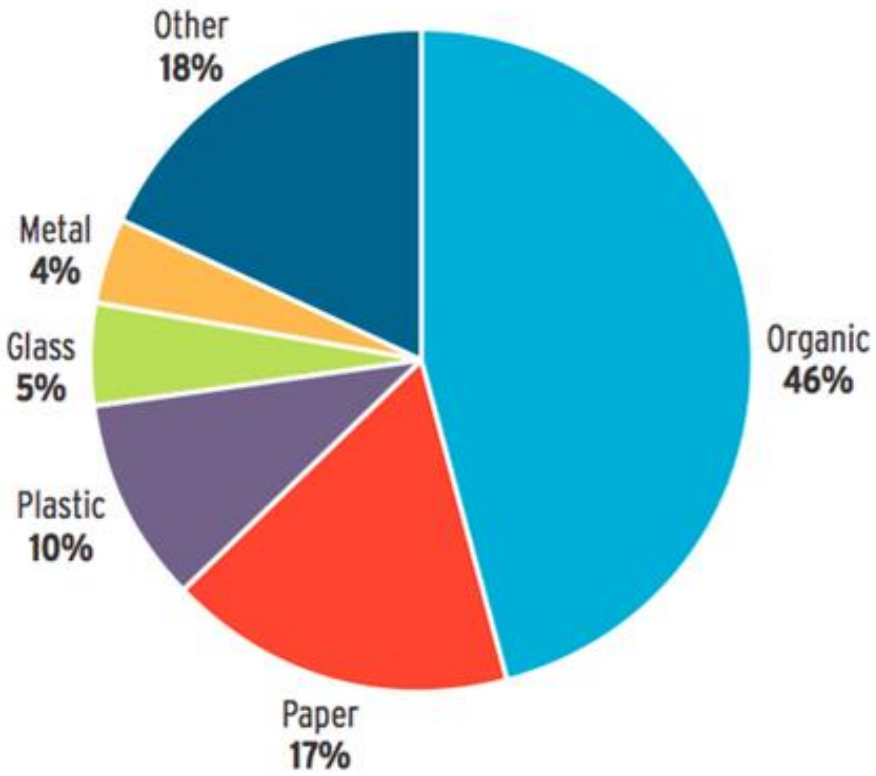


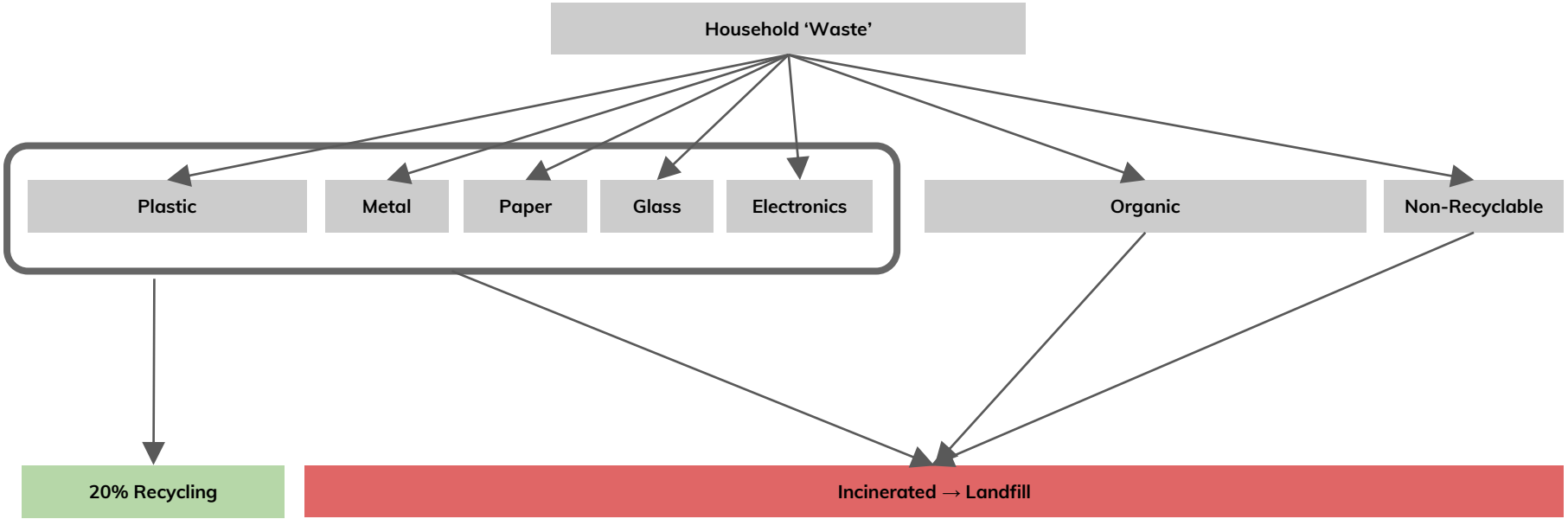
IMAGE: Ellen MacArthur Foundation

AFTER W McDONOUGH AND M BRAUNGART

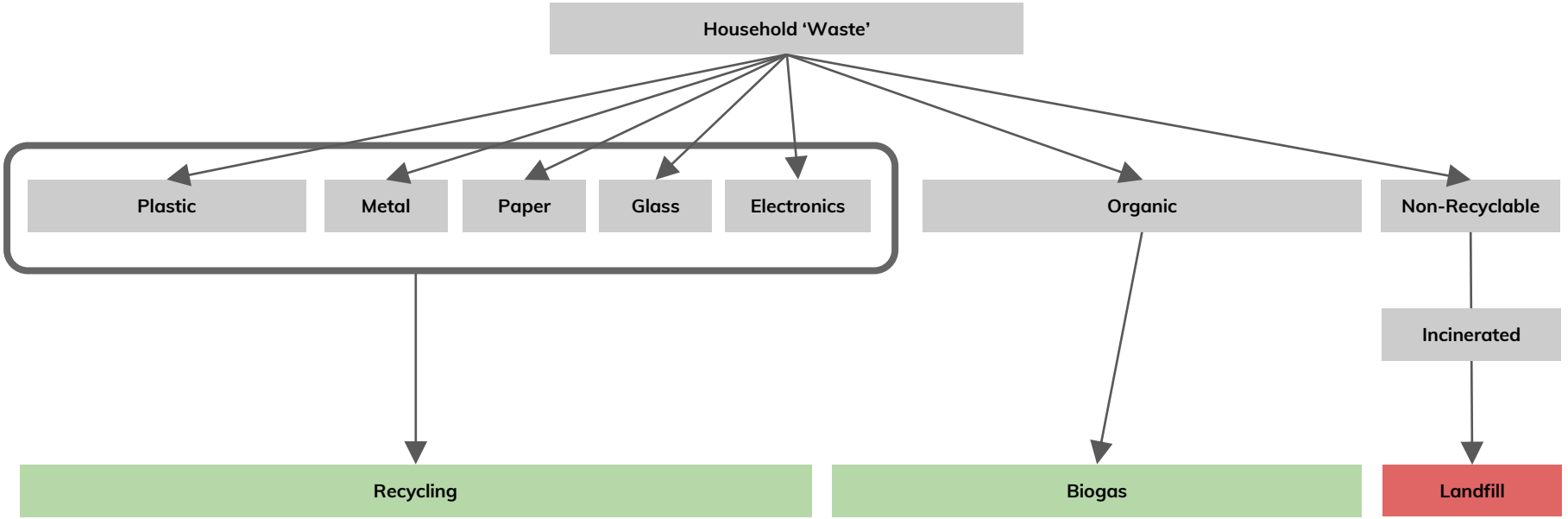
CURRENT HOUSEHOLD ‘WASTE’



CURRENT HOUSEHOLD ‘WASTE’



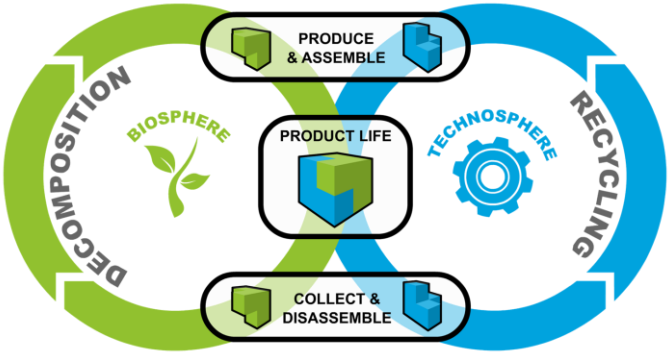
WE WOULD HAVE MATERIAL FLOWS



THE CIRCULAR ECONOMY ISN'T NEW

REUSE
REDUCE
RECYCLE

Closed Loop™

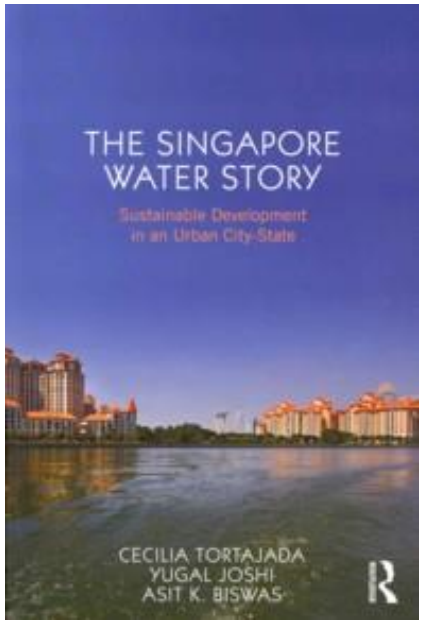


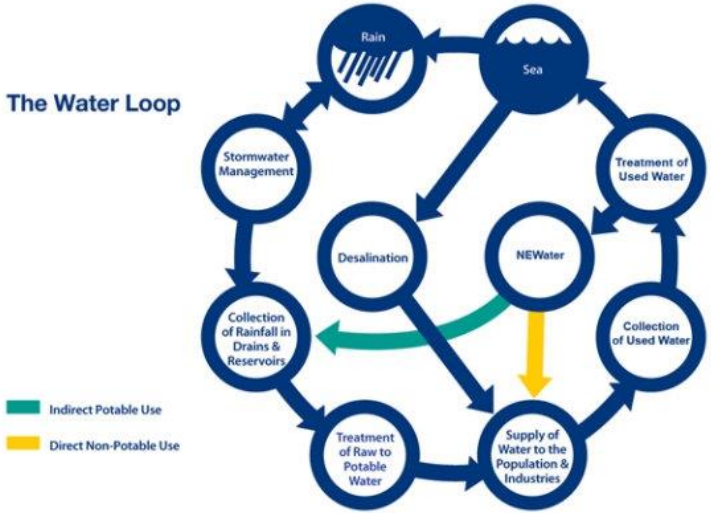
IT'S JUST THAT THE PRESSURE IS NOW GREATER THAN EVER

CAN SINGAPORE BE THE BEACON OF CHANGE FOR THE REGION?

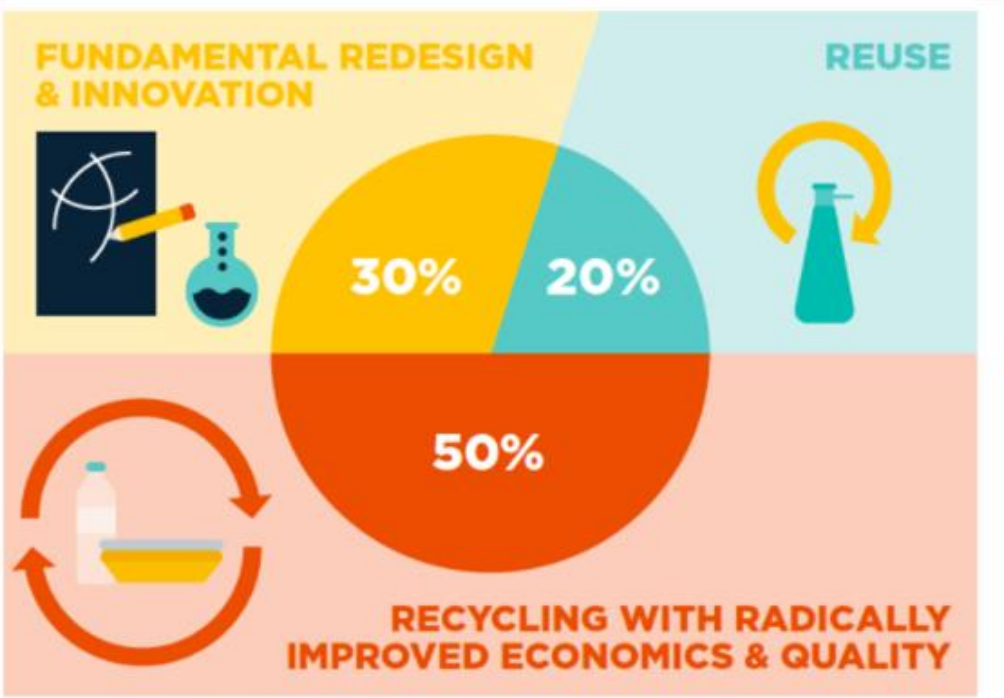
IS IT A BUSINESS OPPORTUNITY?

SINGAPORE'S WATER SUCCESS STORY





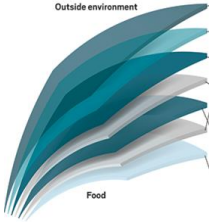
ASIA OPPORTUNITY: IP & BUSINESS



Source: New Plastics Economy initiative analysis (see Appendix for details)

FUNDAMENTAL REDESIGN

“DESIGN OUT” WASTE & DESIGN FOR AN END USE



INNOVATE

REPLACE PS/EPS & PVC

REDESIGN / DESIGN OUT

SCALE UP

WORLD'S FIRST RECYCLABLE FLEXIBLE POUCH

REUSE

REFILLABLE PRODUCTS

SAVING PACKAGING, TRANSPORT & ENERGY COSTS

OTHER WAYS OF RETHINKING REUSE

RADICALLY IMPROVED RECYCLING

IMPROVING RECYCLING ECONOMICS & QUALITY

EASIER TO COLLECT FROM CITIES THAN OCEANS

IT'S ALSO A LOT CHEAPER

WASTE TO WEALTH - UPLIFTING THE INFORMAL SECTOR

Nootrees