IS ZERO WASTE TO LANDFILL ACHIEVABLE?



MARK LIPTROT - SUSTAINABILITY MANAGER
CONSTANTIA FLEXIBLES AFRIPACK





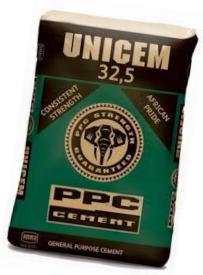
Constantia





















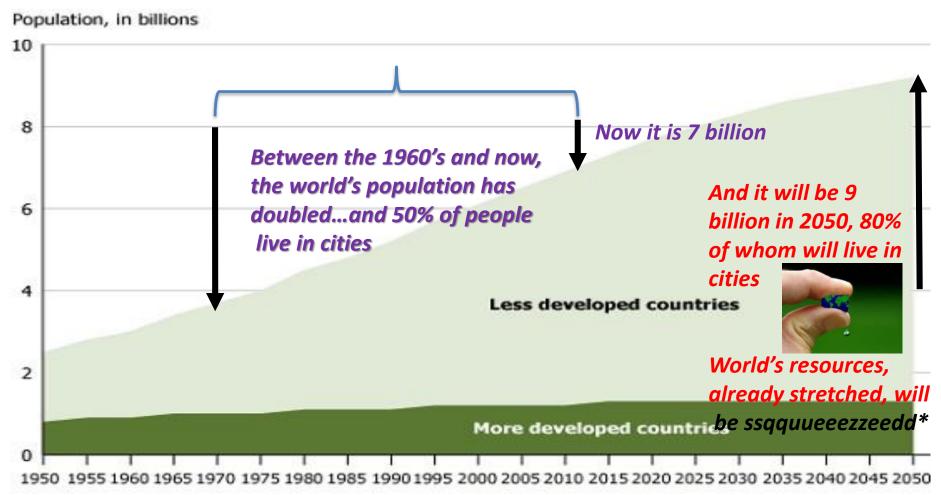






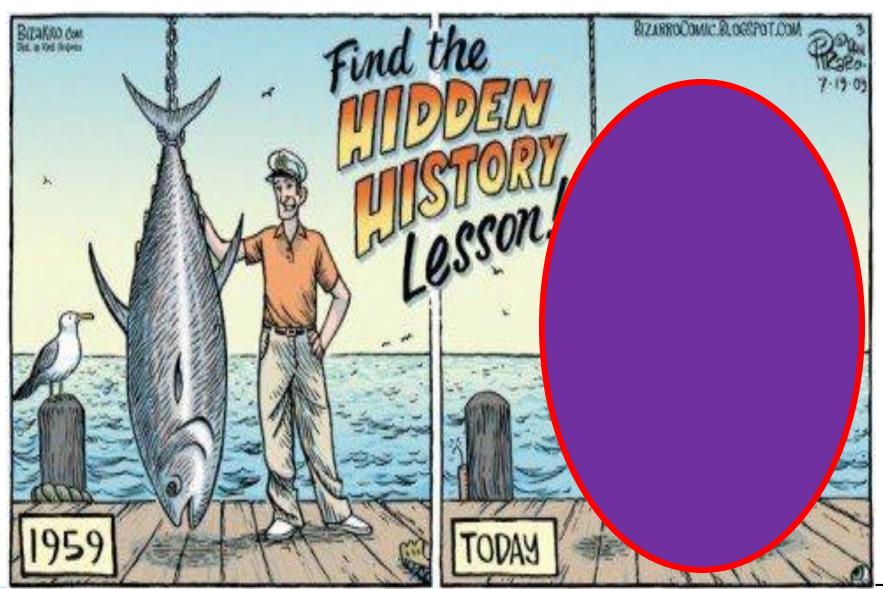
Constantia Flexibles CFLEX AFRIPACK

POPULATION GROWTH...













THE EARTH NEEDS SOME TLC...

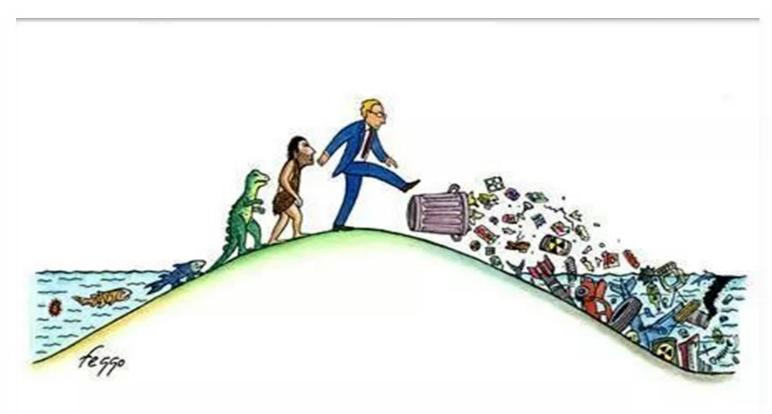






MORAL: CONSERVE RESOURCES

WE PRODUCE TOO MUCH WASTE AND DON'T MANAGE IT CORRECTLY









Pic by Zanele Zulu. Credit: Independent Media





IF PACKAGING IS LEFT IN THE ENVIRONMENT...

Plastic Bag = 10-20 years

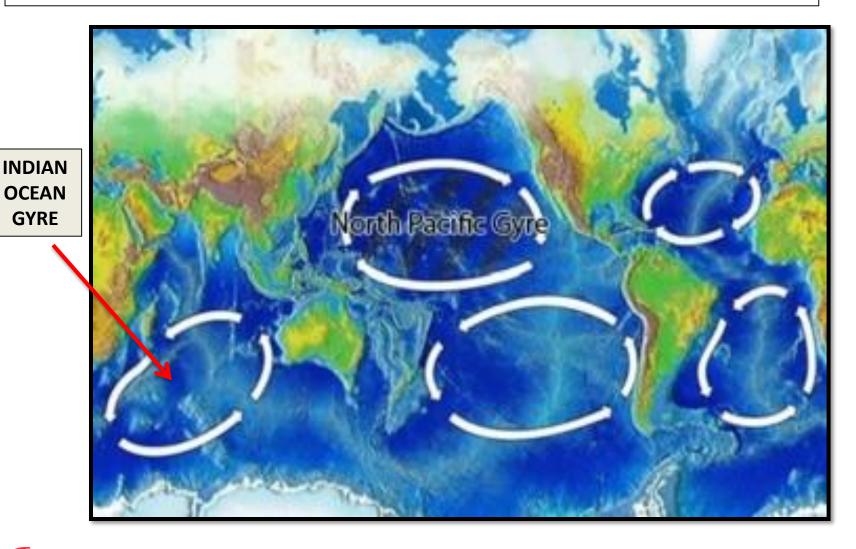
•Plastic Container = 20-30 years

...gradually breaking down into smaller and smaller particles..





IF WASTE GETS INTO THE SEA...





GYRE



IF WASTE GETS INTO THE SEA...



SEABIRD REMAINS ON MIDWAY ISLAND





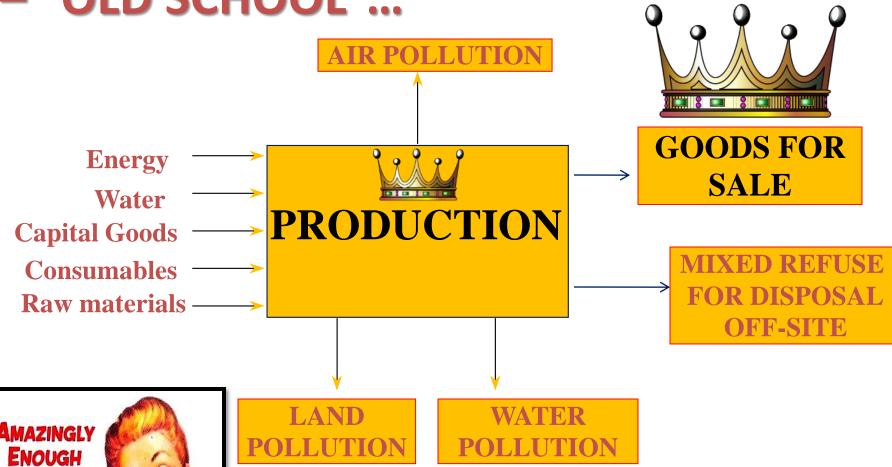
This has severe implications for the whole food chain...





PRODUCTION FLOW CHART









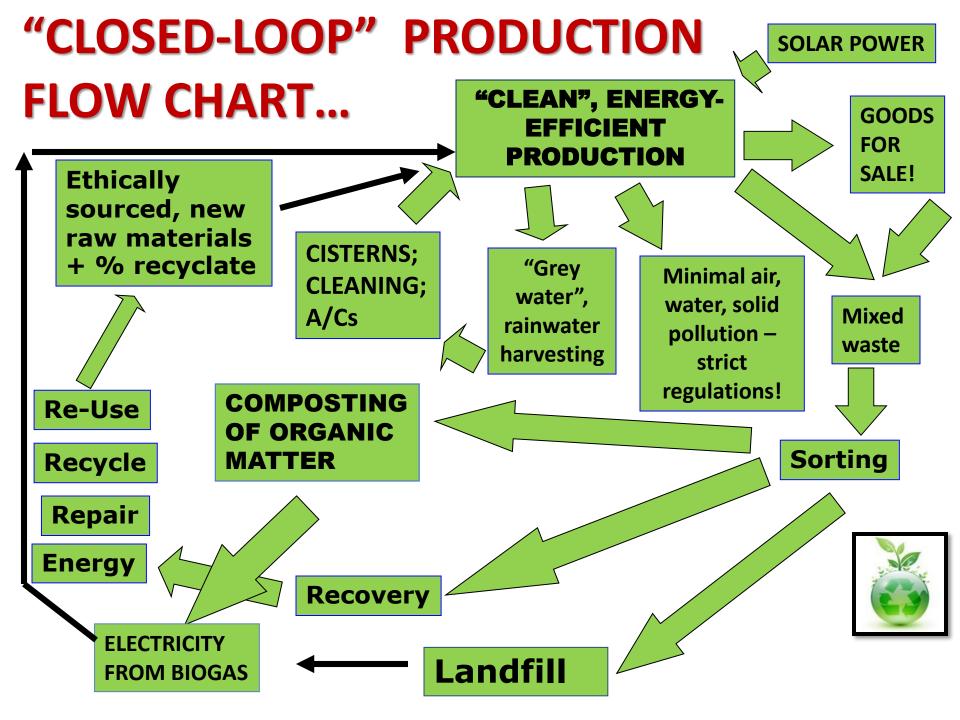


SO WHAT DID WE AS INDUSTRY DO TO HELP THE SITUATION?









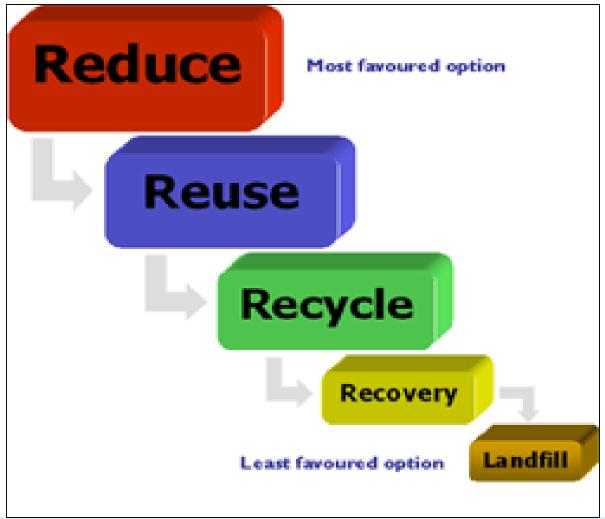


- REDUCED ENERGY BILL/RAWS USE
- RECYCLED
- RE-USED
- REPAIRED RATHER THAN REPLACE
- CHANGED THE WAY WE OPERATED





THE PACKAGING HEIRARCHY...









RECYCLING











RECYCLING



- •SAVES RAW MATERIALS / LANDFILLS
- •USES LESS ENERGY & WATER
- •USES LESS NATURAL RESOURCES
- REDUCES POLLUTION
- •CREATES EMPLOYMENT



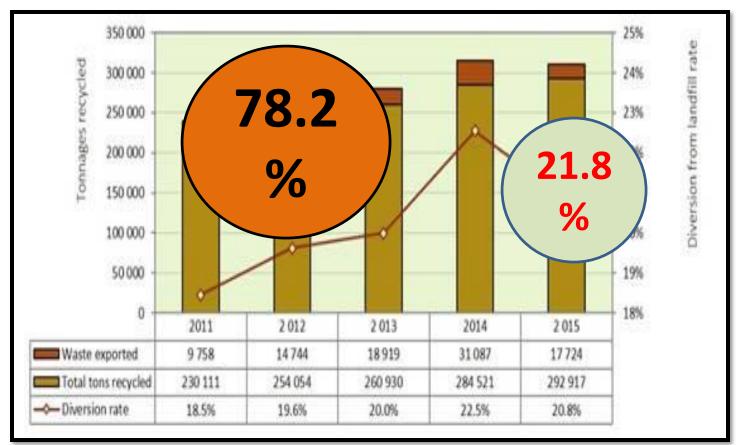




PLASTIC in RSA...



- 293 000 TONNES/YEAR IS RECYCLED...
- OUT OF 1.5 MILLION TONNES OF PLASTIC PRODUCED







PLASTIC in RSA...



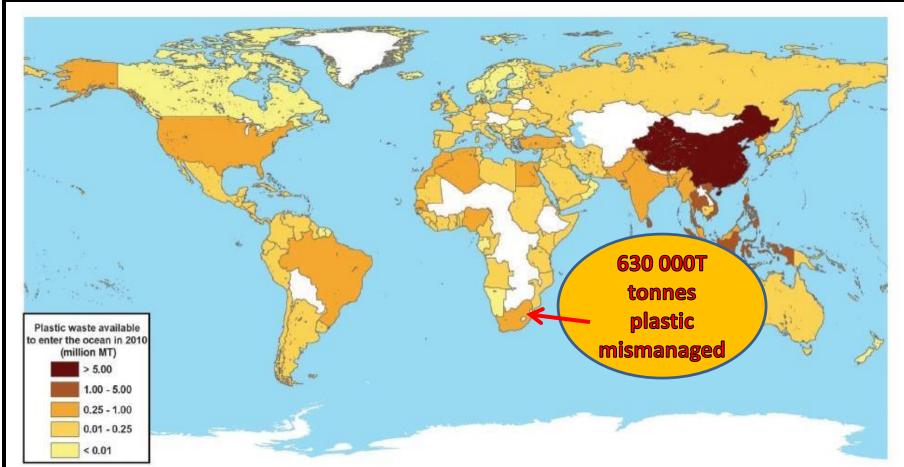
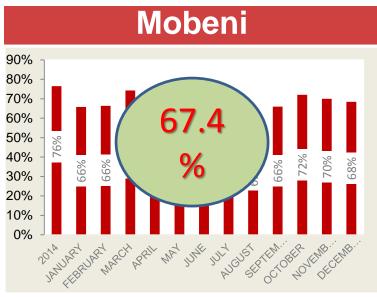


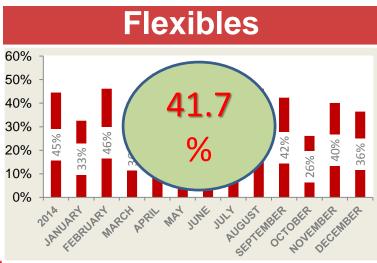
Fig. 1. Global map with each country shaded according to the estimated mass of mismanaged plastic waste [millions of metric tons (MT)] generated in 2010 by populations living within 50 km of the coast. We considered 192 countries. Countries not included in the study are shaded white.

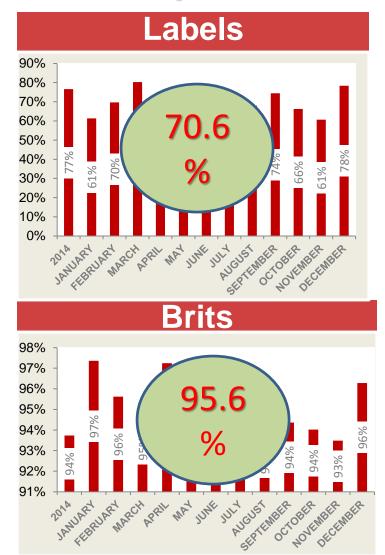




Snapshot of Recycling at CFlex Afripack 2015



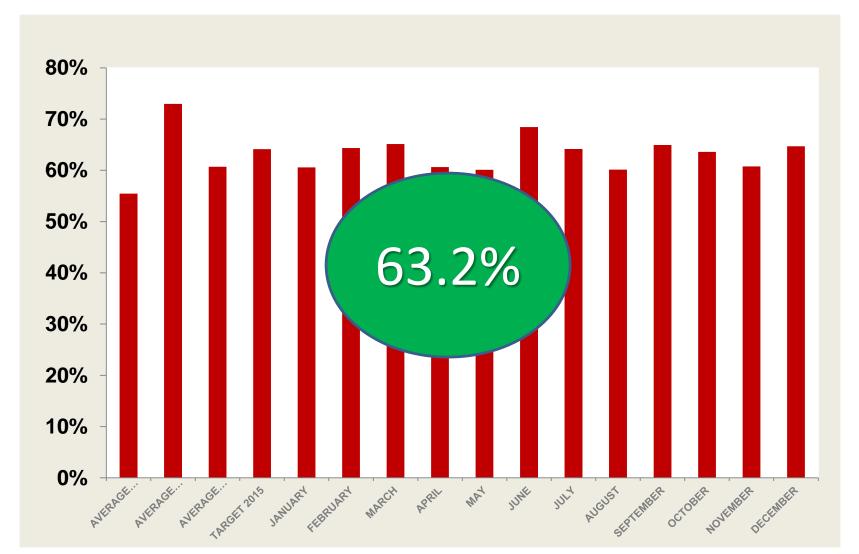








% general waste recycled overall 2015







SO WHY DOES EACH PLANT HAVE DIFFERENT RECYCLING RATES?









BUT IN FILM FORM, NOT RECYCLABLE



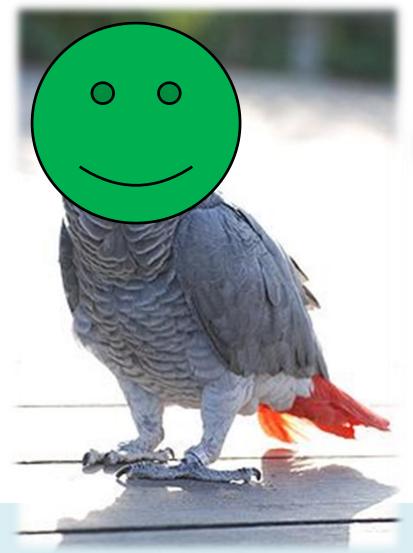


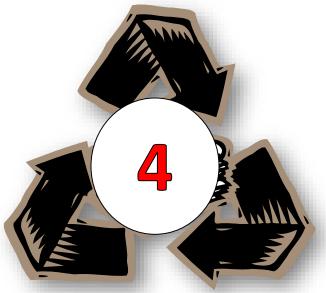
PVC... BUT IN FILM FORM, **NOT RECYCLABLE COMMERCIALLY**





LDPE ('POLY')...











POLYPROPYLENE (PP)

- Most common wraparou packs (c)
- Also us
- Clear, v
- Clear us
- Generally
- Easier to recy post-consumer



bels phic, matte paper labels 7.5μ to 50μ

ost-industrial, not

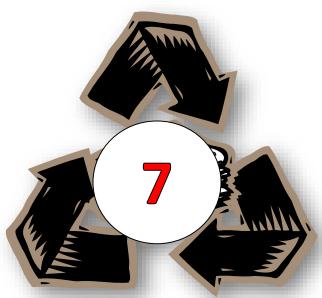






'OTHER'





PET LAMINATED TO PAPER





ARE WE COMMITTED TO RECYCLING & WASTE MANAGEMENT?









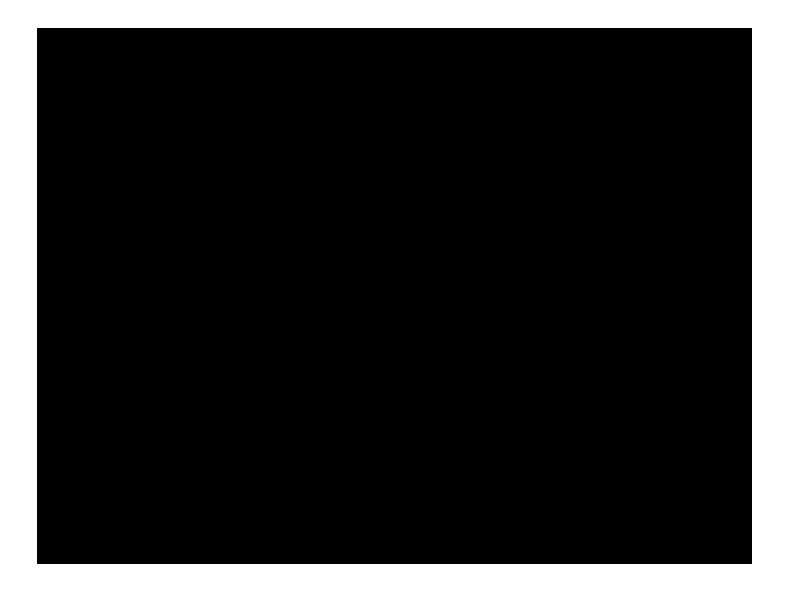


YEBO YES!













BUT YOU CAN ALSO UPCYCLE RATHER THAN RECYCLE...

...BY USING WASTE ITEMS TO MANUFACTURE NEW ONES WHICH CAN BEAUTIFY YOUR HOME OR BODY OR BE SOLD TO GENERATE INCOME...



















VINES AND FLOWERS MADE FROM ICE CREAM CONTAINERS, UMCEBO DESIGN STUDIO, COMMISSIONED BY DIAKONIA

















































DOWNCYCLING????









WASTE SUCCESSES...







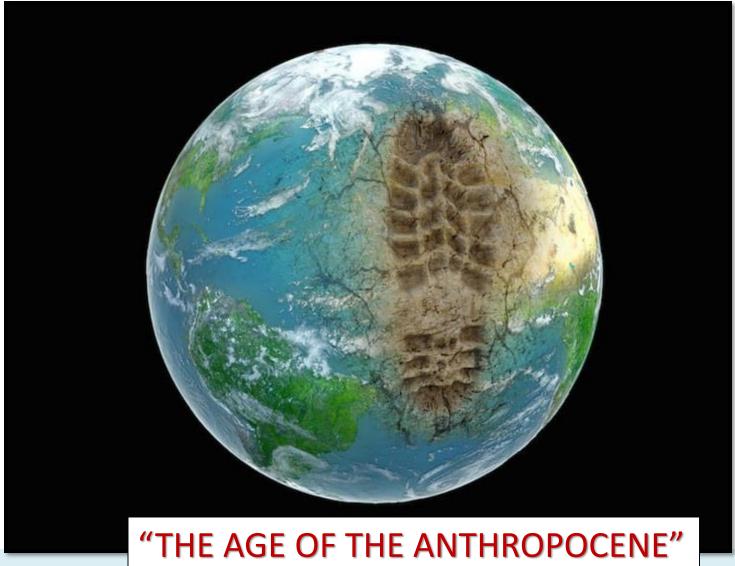
THERE IS ONLY ONE PLANET!







THERE IS ONLY ONE PLANET!







WILL IT COME TO THIS?







IS ZERO WASTE TO LANDFILL ACHIEVABLE?







THANK YOU





