DOING NOTHING IS NOT AN OPTION

BERNARD MERKX

Entrepreneur CEO GreenWavePlastics Co-founder WasteFreeOceans Honorary President PlasticsRecyclersEurope Board of Directors Member PLASTIX Denmark / a.o.

WASTE FREE OCEANS' SPECIAL LINK TO A VARIETY OF STAKEHOLDERS



2011 and beyond

How and Why We Started....

Waste Free Oceans Foundation is a not-for-profit foundation, registered in Belgium since May 2011

Founders : Mr. Alexandre Dangis & Mr. Bernard Merkx

No of FTE's on pay roll : 0

Our "Champion - chair" is always a Member of the European Parliament Mrs. Anna Rosbach (DK 2011-2014), Mr. Alain Cadec (F 2015-2019), and at present Mr. Soren Gade (DK 2020 -)

WFO Offices in Hong Kong (Asia Pacific), Dominican Republic (The Americas), Turkey (MEA), Brussels (HQ)

Our main goal is to reduce the global impact of marine litter. By mobilising fisheries, recyclers, manufacturers and policy makers, WFO aims to **reduce**, **reuse** and ultimately **recycle** marine litter, mitigating the impact on both the environment and natural resources.

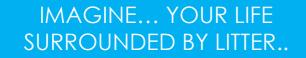
Waste Free Oceans is committed to support cleaning of the oceans and seas, but also of the beaches, rivers, lakes, and other inland waters. We organise beach and river clean-up events regularly, in various parts of the world, together with local organisations and volunteers.











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NO ONE ON THE PLANET WANTS TO BE SURROUNDED BY LITTER 😕



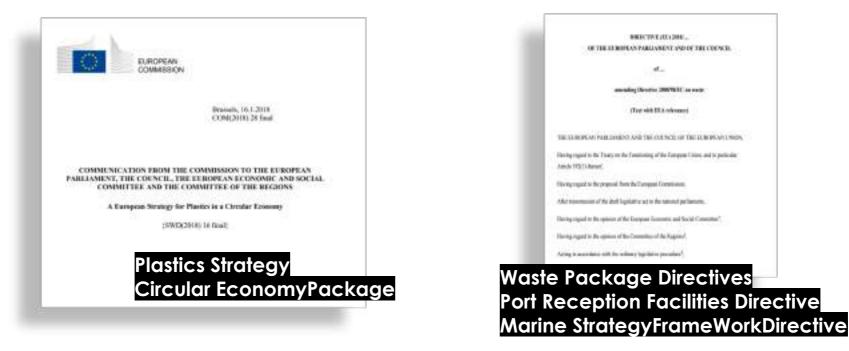
WE, HUMANS, ARE MAKING A MESS OF IT (and not only on planet Earth).... 🛞







PLASTICS IN THE SPOTLIGHT – MANY EU LEGISLATIONS ONGOING





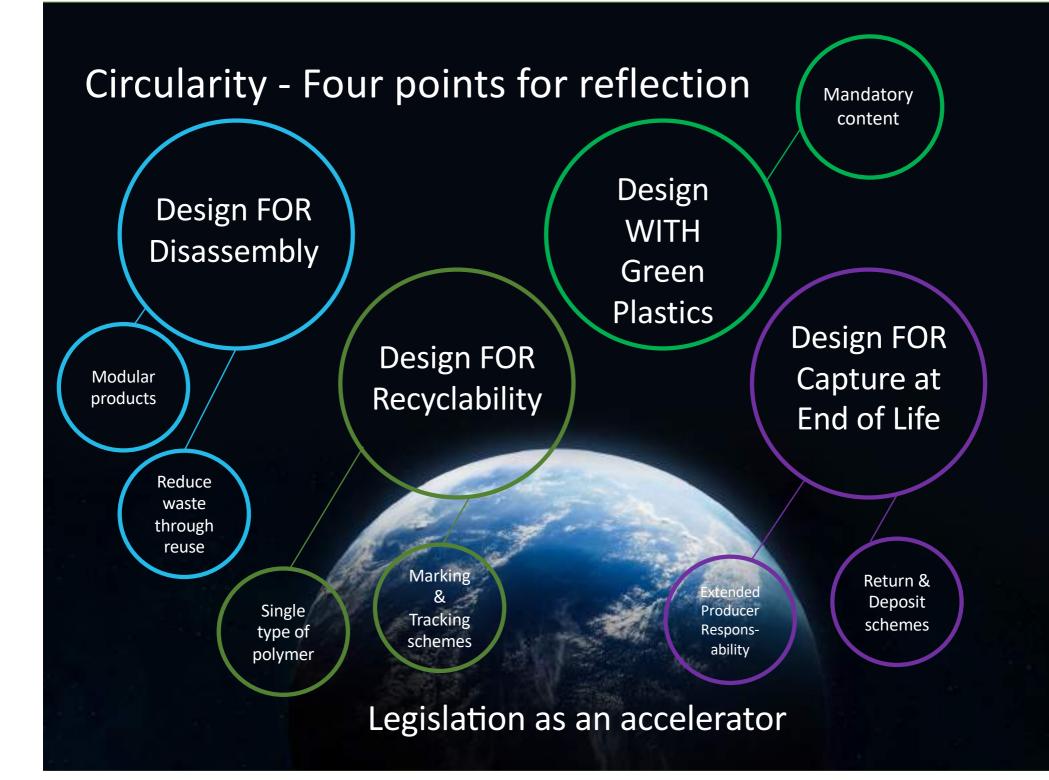
What is RECYCLING ? (Waste Framework Directive 2008/98/EC definition)

Recycling means any recovery operation by which waste materials are reprocessed into products, materials or substances whether for the original or other purposes.

It includes the reprocessing of organic material but does **NOT** include energy recovery and the reprocessing into material that are to be used as fuels or for backfilling operations.

Hence: Collection, logistics, sorting and "recovery" is **clearly not recycling**

Mechanical recycling not only safeguards valuable resources but at the same time also a considerable amount of CO2 emissions compared to virgin plastics





FISHING FOR LITTER – TACKLING EXISTING MARINE DEBRIS



WASTE FREE OCEANS' SPECIAL LINK TO THE DANUBE BASSIN

DANUBE 2012

Partner Project WASTE FREE DANUBE









Műanyag palackokat pecáztak a Dunán | 24.hu



RIVER AND BEACH CLEAN UP CAMPAIGNS







100% RPET BOTTLE OF WHICH 11% RPET DANUBE COLLECTION

WFO GO CLEAN LITTERATI – DATABASE NL RHINE RIVERSIDES AND LAND



EUROPE S FIRST MULTI VALUE CHAIN PARTNER PROJECT TO PREVENTIVELY COLLECT OBSOLETE GEAR, ROPES AND NETS INITIATED BY GREENWAVE & PLASTIX & DUTCH SEAL RESCUE CENTRE

HAPPY SEAL fishnet recycling











DALY[®]



Nederlandse Vissersbond



havenjauwersoog

happy seal

fishnet recycling





HAPPY SEAL WILDLIFE PROTECTION : FISHERMEN BRING RESCUED SEALS BACK TO SEA



FISHING GEAR CLEAN TECH RECYCLING PLANT IN DENMARK



AQUACULTURE RINGS – INTO RECYCLED GRANULES – NEW RINGS OR PIPES



WFO BIGBOX – COMING TO MARKET – RECYCLED GEAR AND OTHER RECYCLATES



BIZZ OPPORTUNITY TO USE BOXES FOR ONLAND AQUACULTURE ?







RE USABLE PERSONAL PROTECTION PRODUCTS MADE WITH RECYCLED (MARITIME) PLASTICS

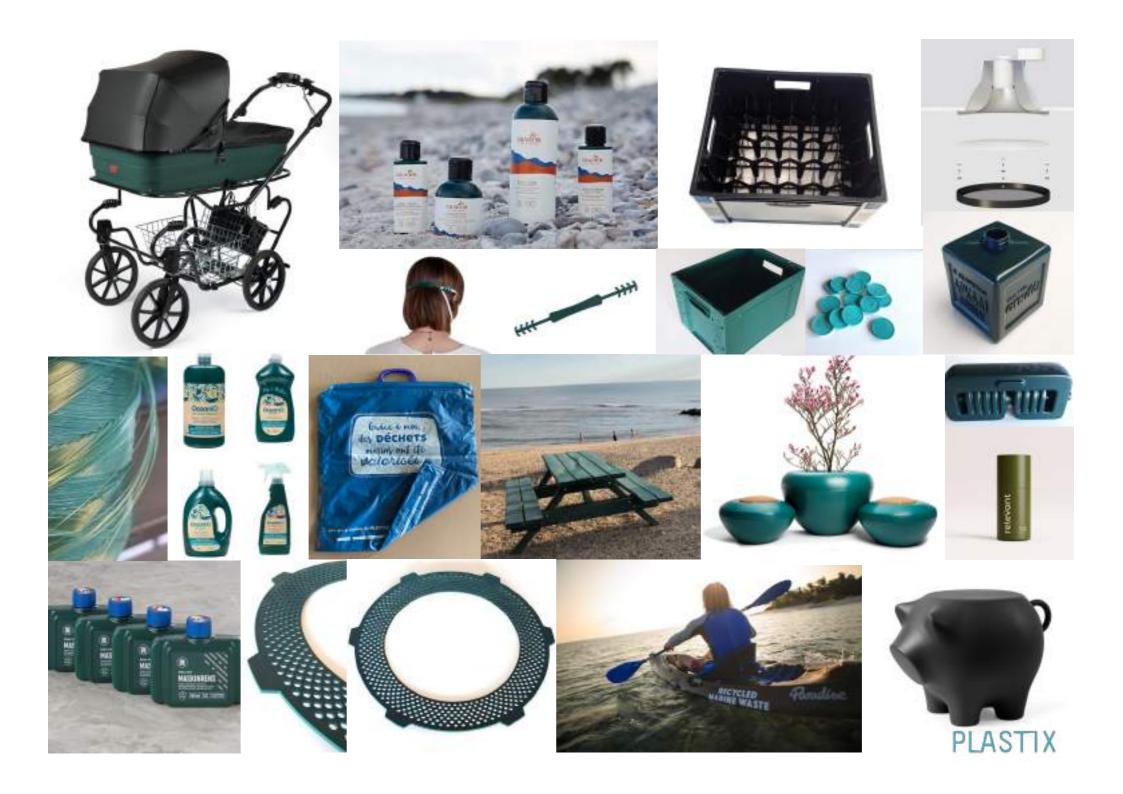


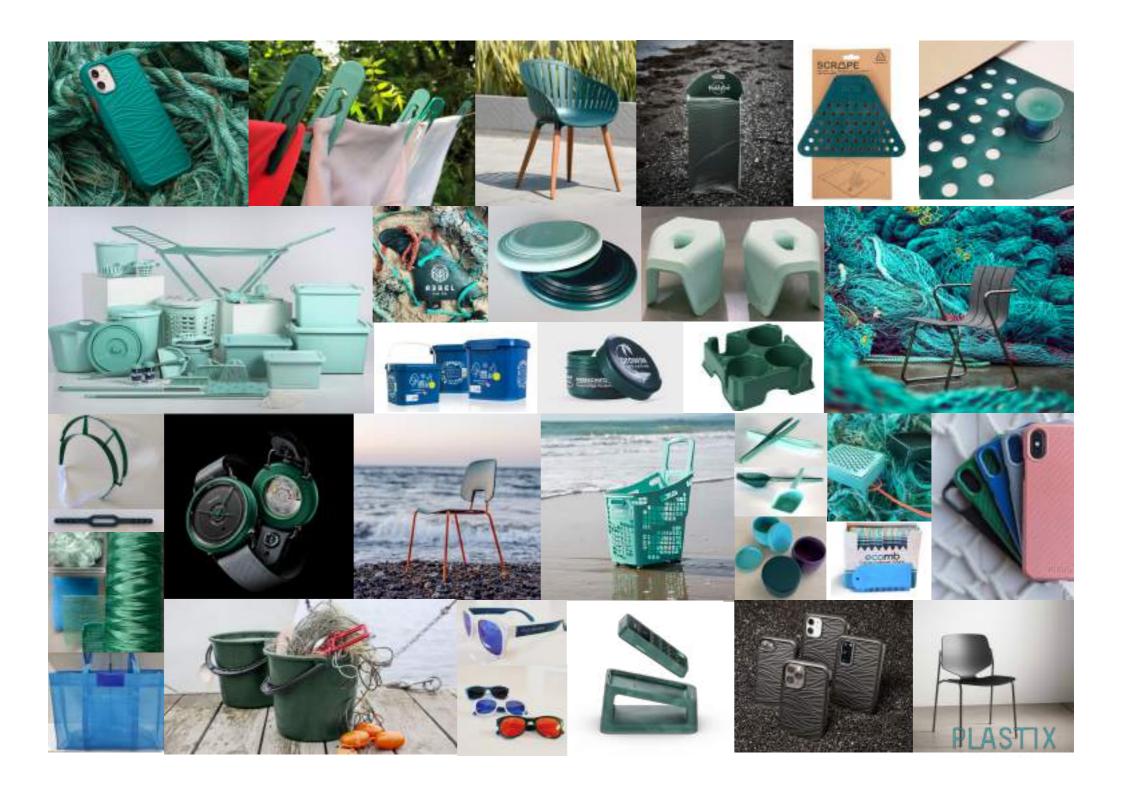




3D PRINTED 100% RECYCLED CONTENT PRODUCTS







100% from ropes / fishing gear to fibers (mechanical recycled!!)



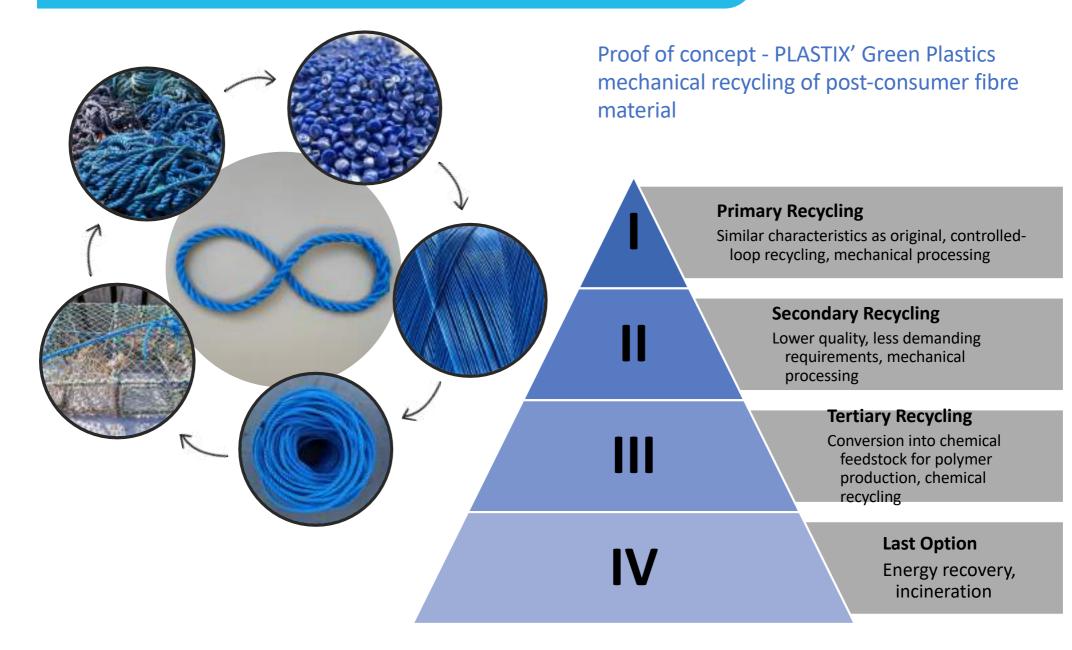
FIBRES MADE FROM RECYCLED FISHING ROPES



Approx. 30-50 tex fibers - made from: 100% OceanIX rPPC and OceanIX rHDPE (30 tex = 300 gram per 10km fiber)

2,2 dtex fibers - made from: 20% OceanIX rPPC (2,2 dtex = 2,2 gram per 10km fiber)

From Rope to Rope – what it means to close the loop



SOME 'WILD' IDEAS : DANUBE ANGLERS TO PARTNER TO ADDITIONAL SOLUTIONS ?



ECO FOOTPRINT WHEN REPLACING VIRGIN PLASTICS BY RECYCLATES

PLASTIX REDUCES CO₂ EMISSIONS UP TO 82% COMPARED TO VIRGIN PLASTICS

1 TON OCEANIX rHDPE OR rPPC USED MEANS 1,7 TONS CO, EMISSIONS SAVED IN THE WORLD

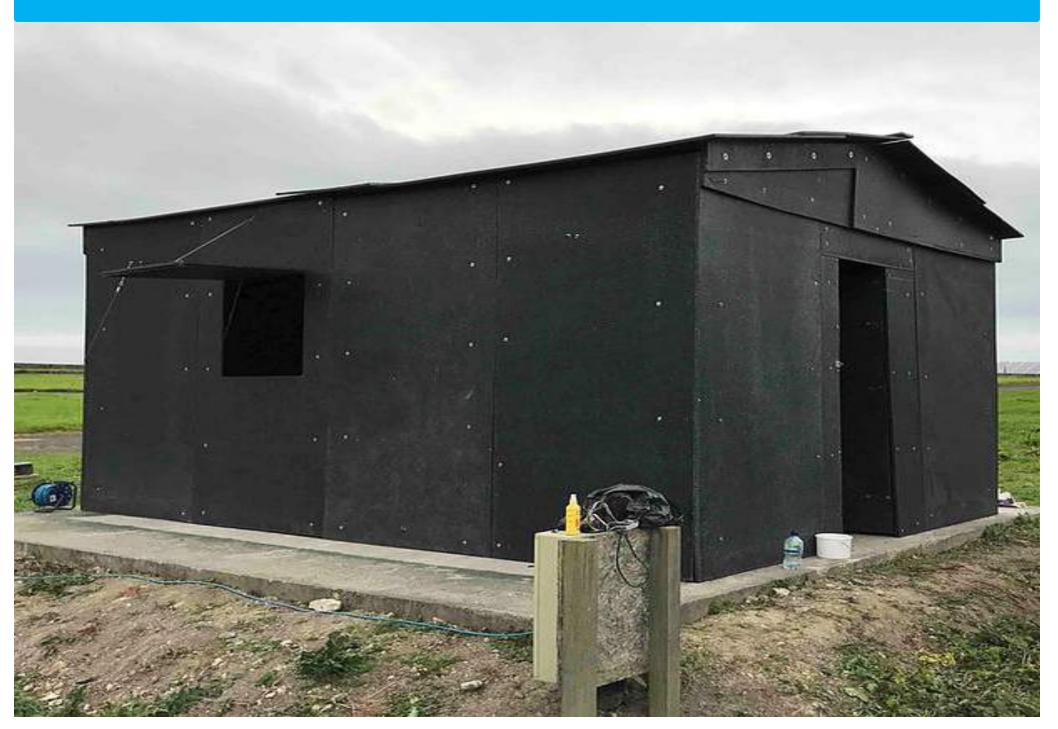
Source: PLASTIX' Life Cycle Assessment (LCA)



FROM DIFFICULT TO RECYCLE WASTE STREAMS TO PRAGMATIC SOLUTIONS



REFUGEES & LITTER SOLUTIONS : WFO REFUGEES SHELTERS & SOCIAL HOUSING



GROWING SHORTAGE OF WOOD / PLENTY OF SUITABLE WASTE





WECANNOTSOLVEOUR PROBLEMS WITH THE SAMETHINKING WEUSEDWHENWE CREATED THEM - Albert Einstein