

CIMA

A Saúde dos Oceanos – um Mar livre de plásticos

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Lixo Marinho um problema global de poluição



80% é plástico

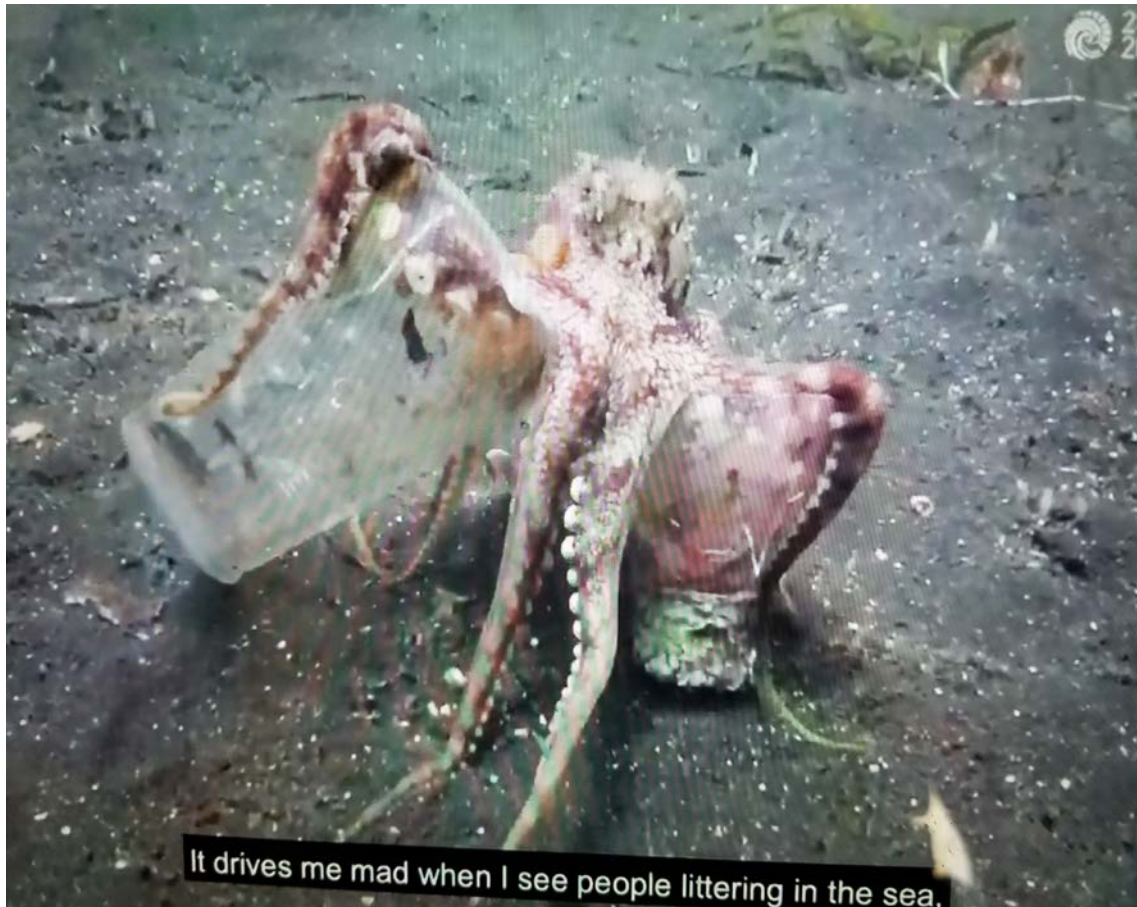
Comandante Charles Moore



Descobriu a ilha de plástico do
Pacífico em 1997



Plástico – Lixo mais importante no oceano e zona costeira



It drives me mad when I see people littering in the sea,

80% do lixo marinho é plástico

Marine Debris as a Global Environmental Problem, 2011

- megaplástico > 1 m
- macroplástico > 25 mm
- mesoplástico > 5 mm
- microplástico > 1 μm
- nanoplástico < 1 μm

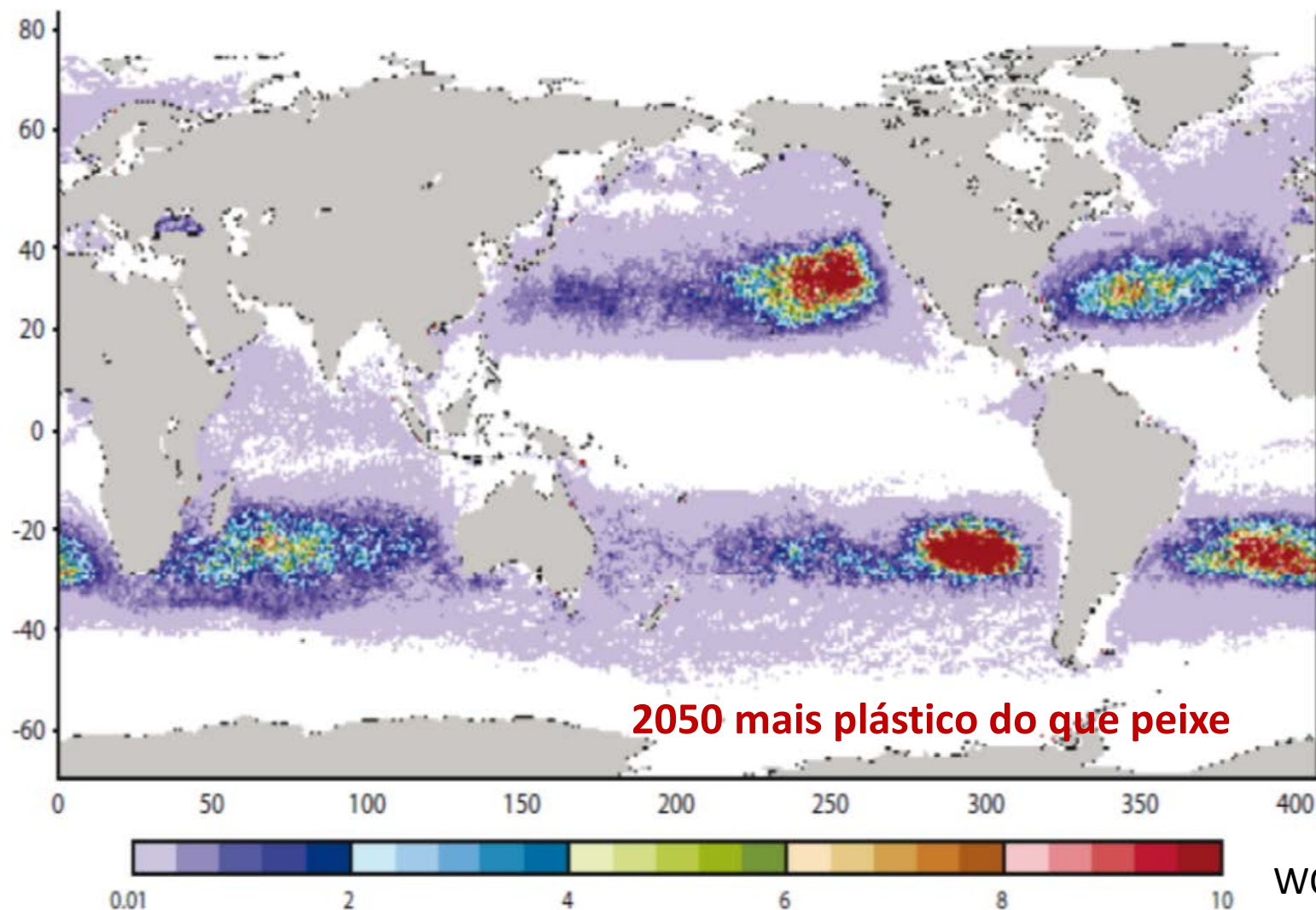
Plástico um problema global de poluição



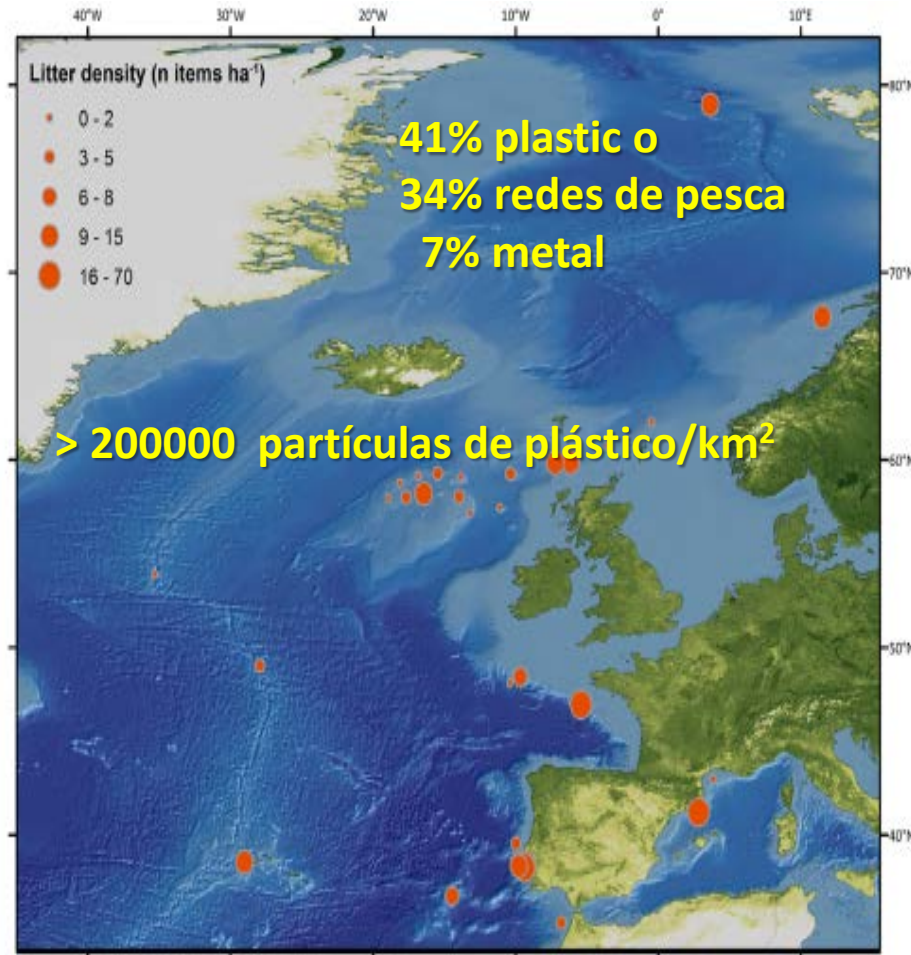
- 5.25 triliões de partículas plásticas
- 269 000 tons estão a flutuar na superfície do mar
- 13000 - 18000 /km²
- No Atlântico Norte e nas Caraíbas > 200 000 /km²
- Níveis elevados nos giros

Prize of “wild nature” of the London Natural History Museum

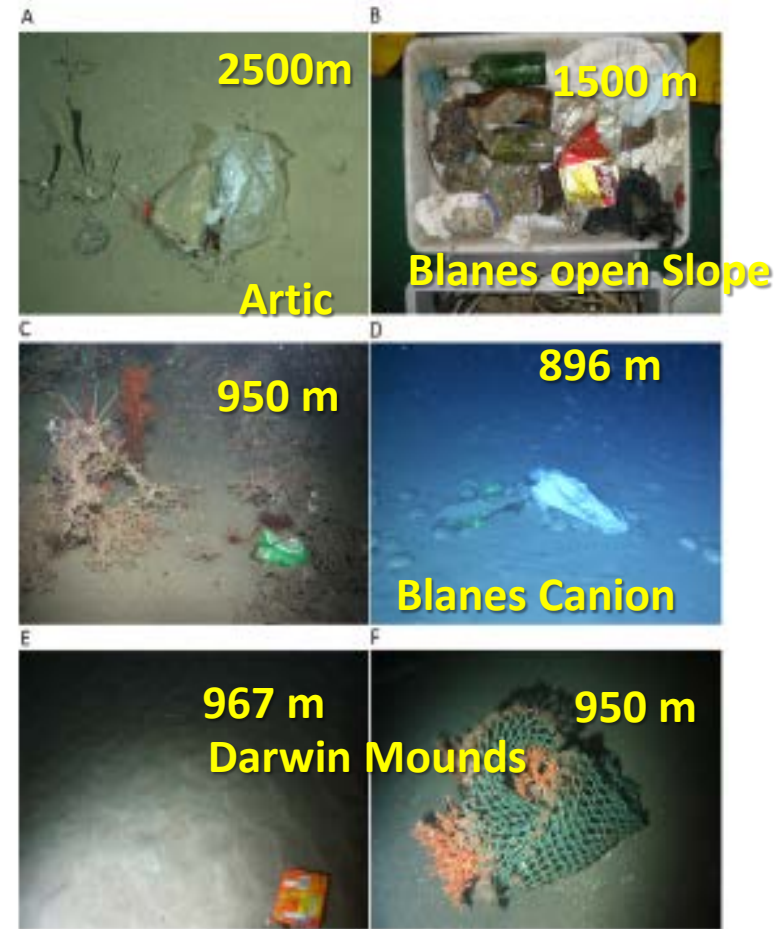
Plástico no Oceano a partir de Satélite



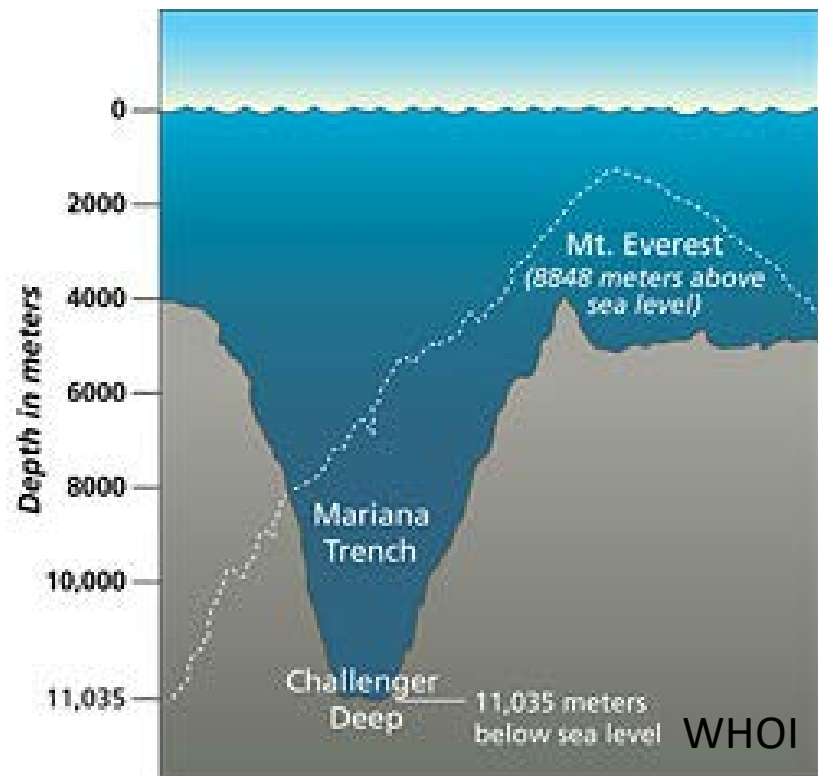
Plástico no fundo do mar nas águas europeias



f {



Impressão digital humana na fossa das Marianas



**110 a 170 dias
de transporte entre a superfície e o
fundo do mar**

Saco de plástico a 10898m



a 1000 km da costa

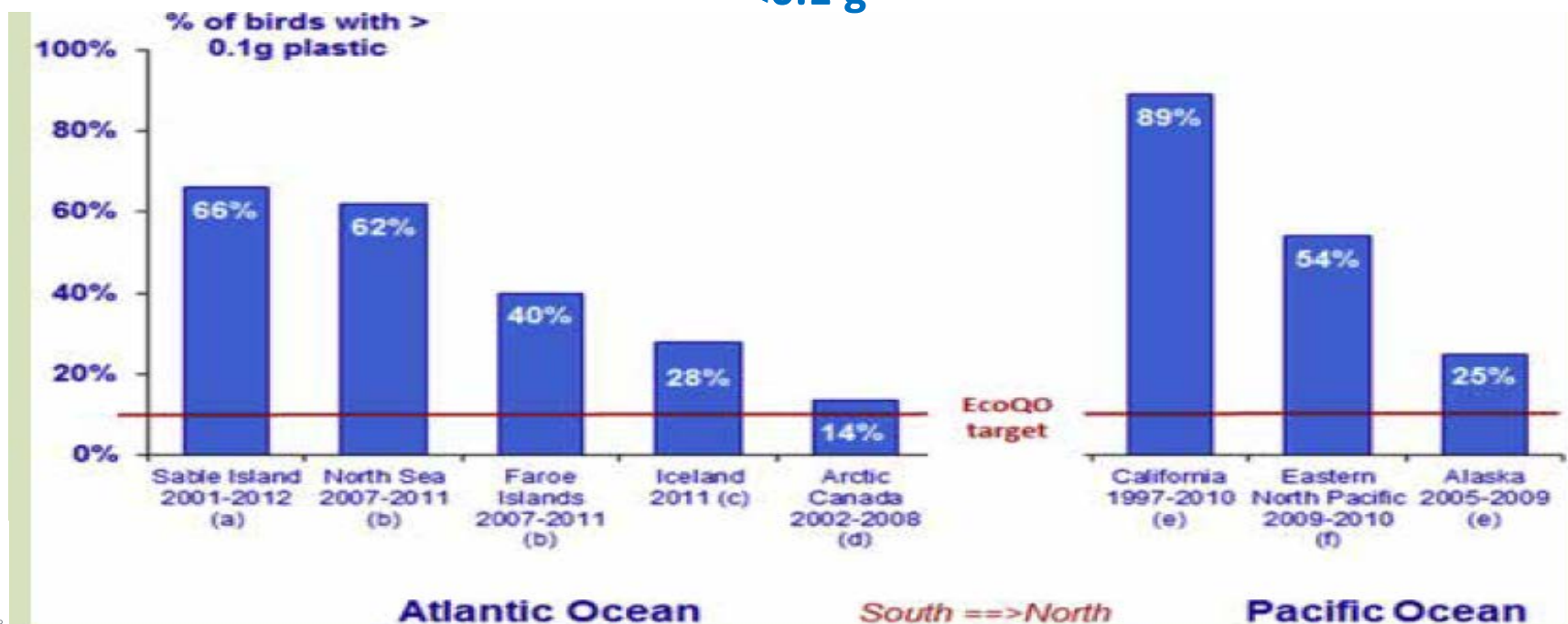
**1 a 5 triliões de sacos de plástico
consumidos anualmente**

Poluição por Macro Plásticos

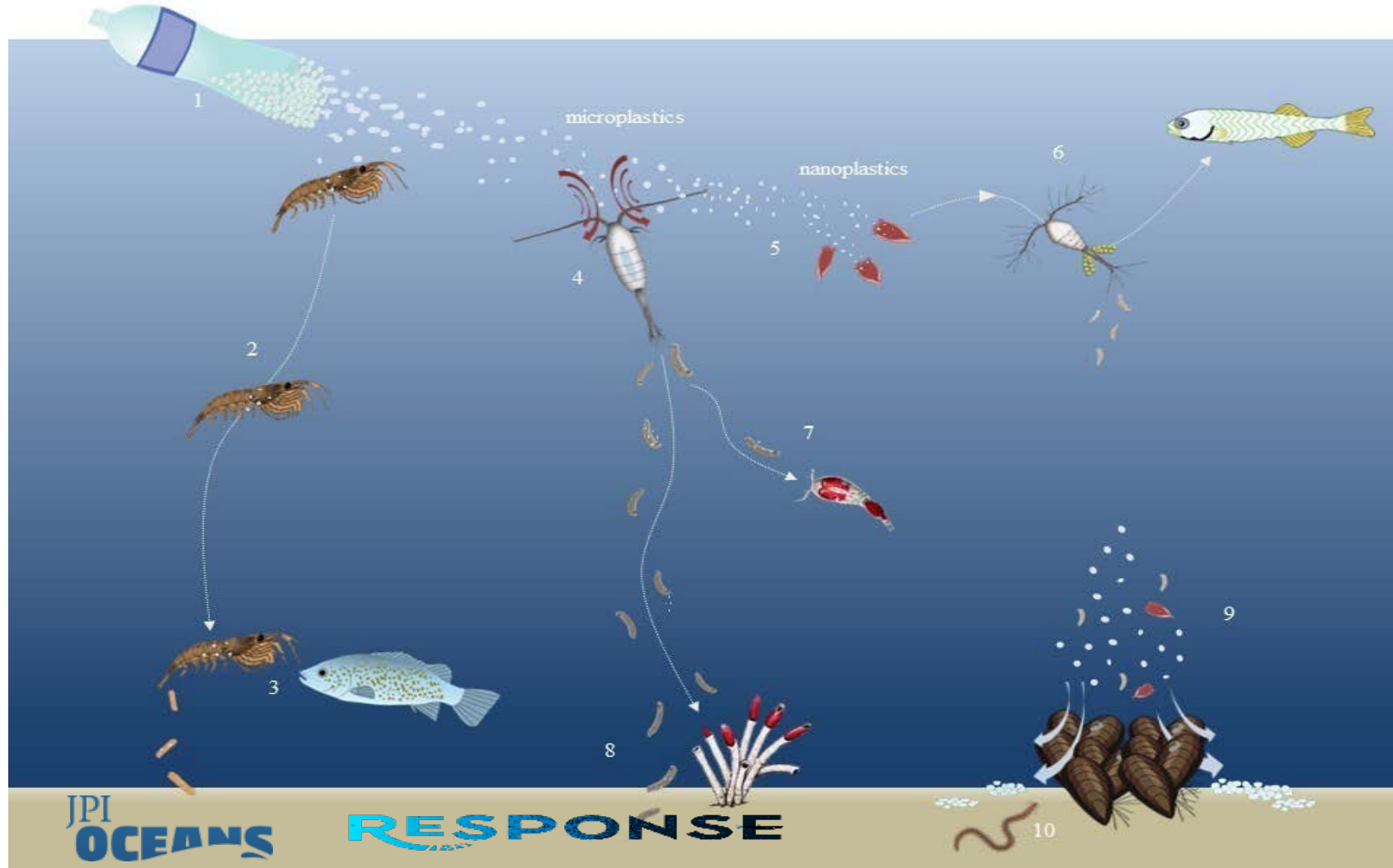




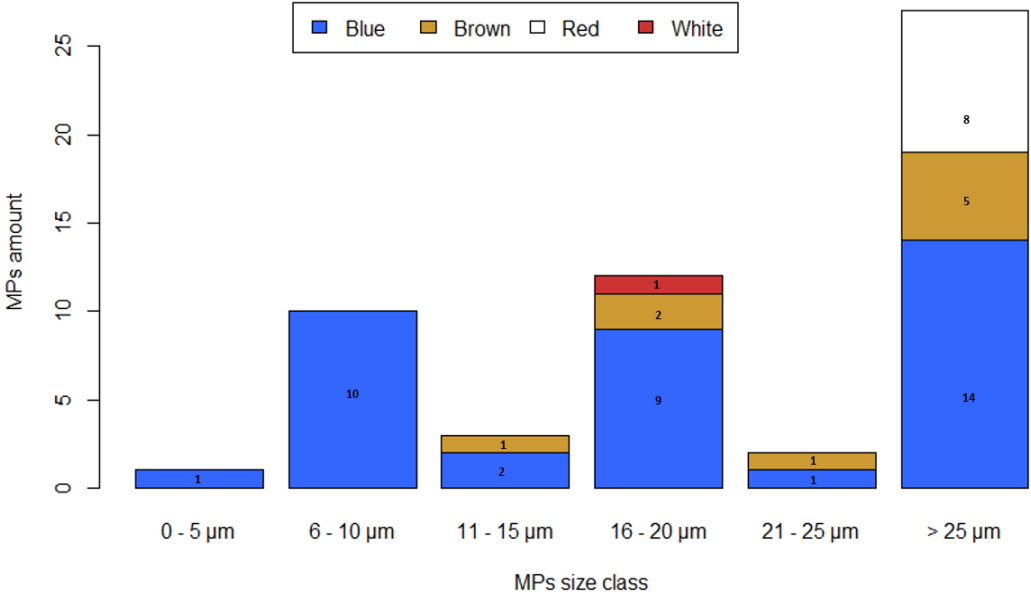
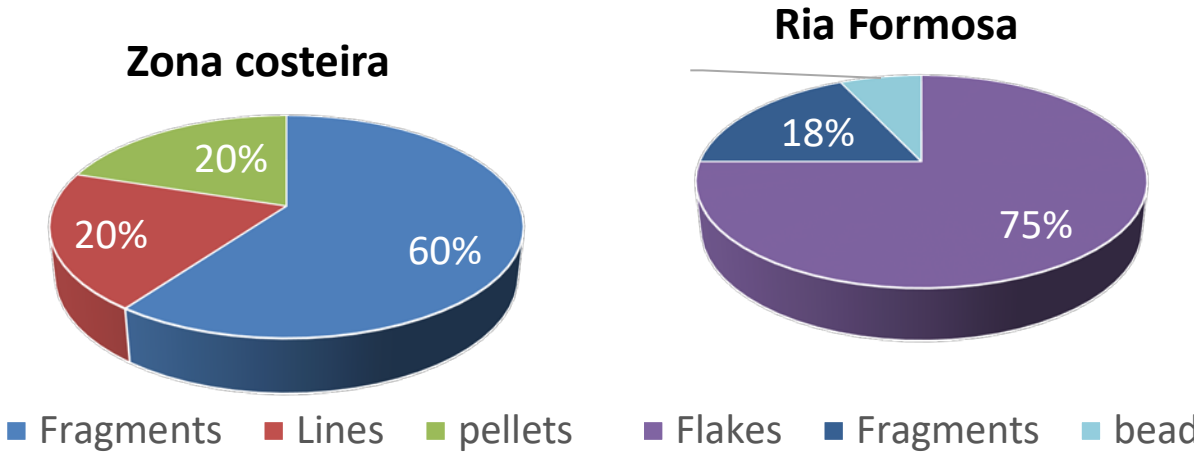
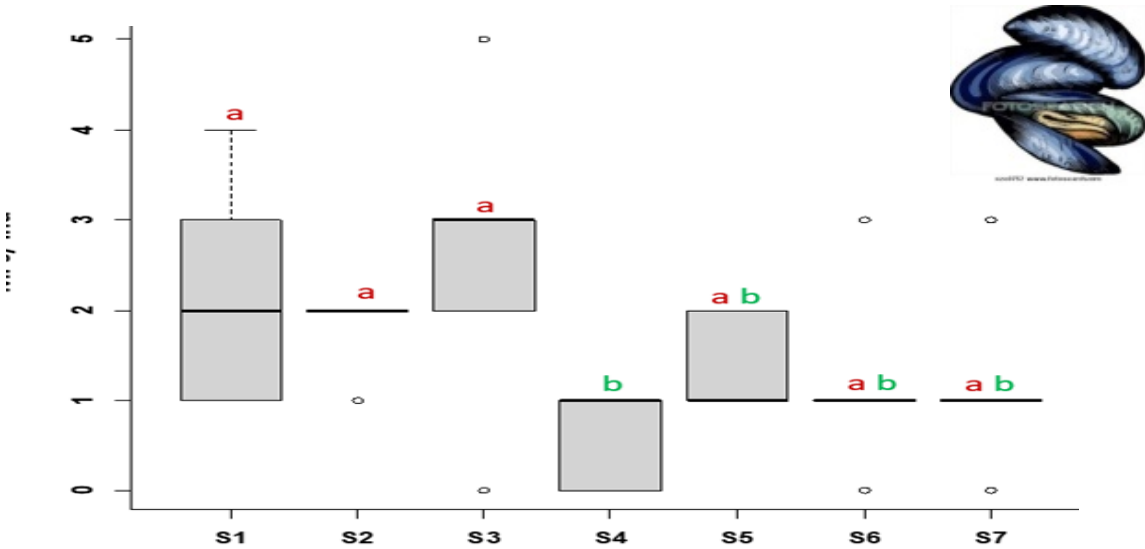
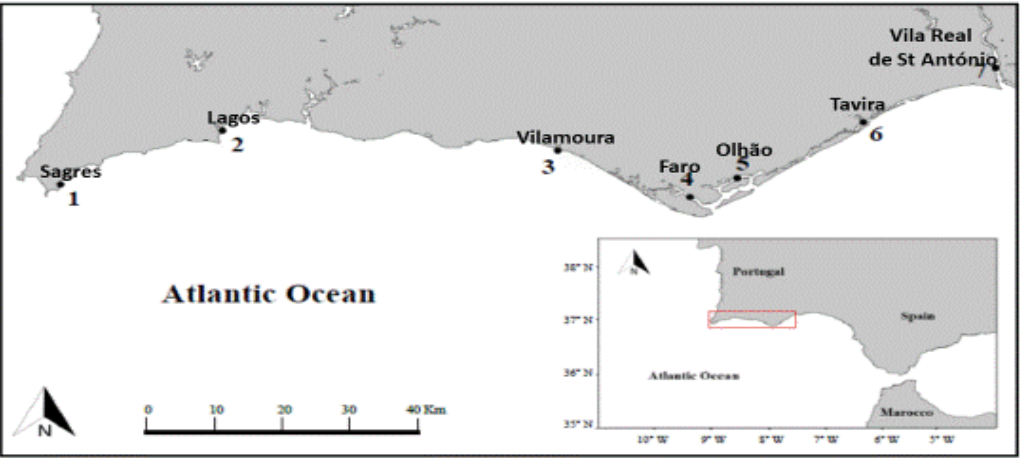
Percentagem de plástico no conteúdo estomacal que excede
<0.1 g



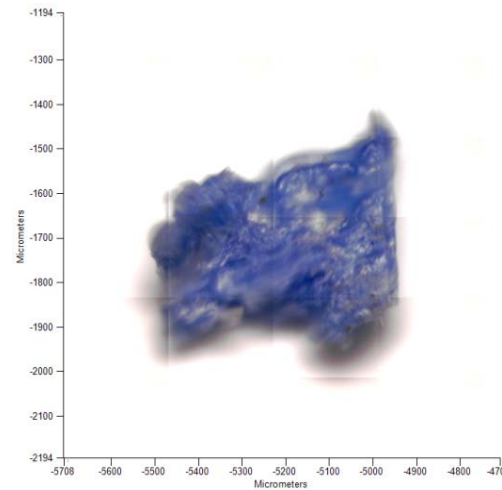
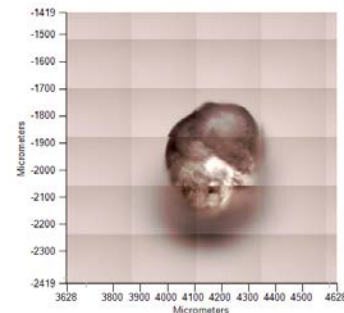
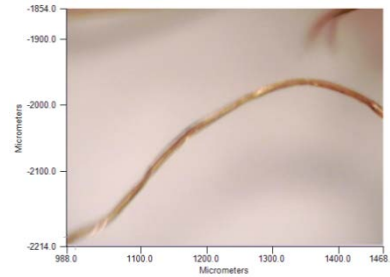
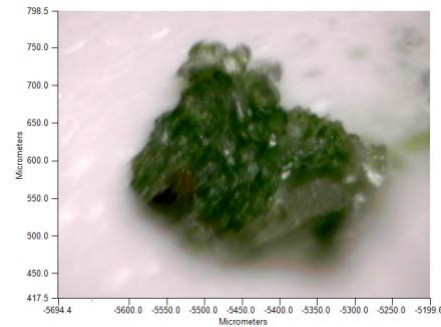
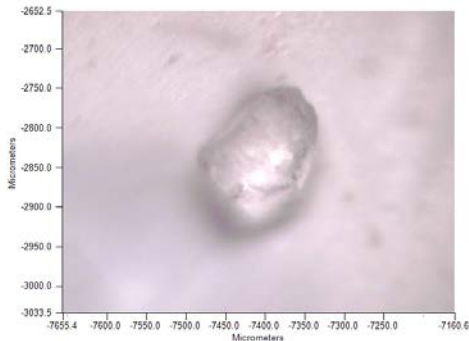
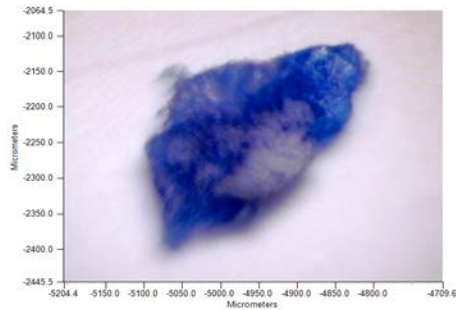
Comportamento do Plástico no Oceano



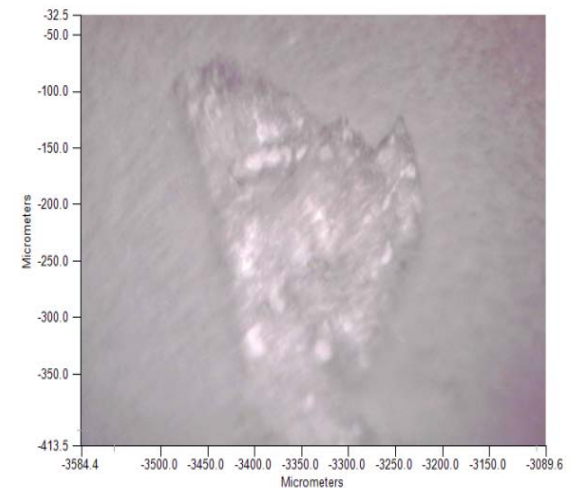
Microplásticos em mexilhões no Algarve



Microplásticos presents em várias espécies marinhas no Algarve



Salmonetes



HOW LONG UNTIL IT'S GONE?

Estimated decomposition rates of common marine debris items

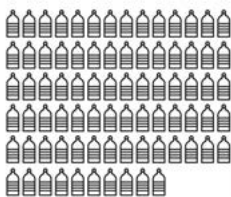


Estimated individual item timelines depend on product composition and environmental conditions.

Sources: NOAA (National Oceanic and Atmospheric Administration), US / Woods Hole Sea Grant, US
Graphics: Oliver Lide / Museum für Gestaltung Zürich, ZSWK

Exemplos de como poderemos reutilizar o plástico recolhido no mar



=  **80**
BOTELLAS
DE PLÁSTICO

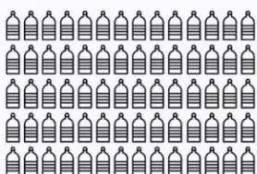
ECOALF
RECYCLING TOWNS IN THE PLANET



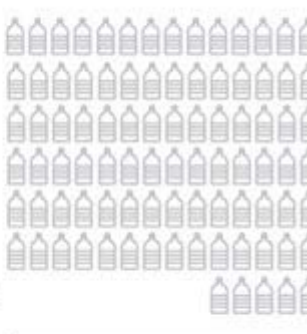
 OCEAN
WASTE
COLLECTION
**X5 PLASTIC
BOTTLES**

ECOALF
UPCYCLING WORLDWIDE



=  **70**
PLASTIC
BOTTLES



= 

135 botellas
plástico
recicladas

○ plástico reconhado no mar tem inspirado as artes



An aerial photograph of a coastal region, likely a lagoon or bay, showing intricate patterns of turquoise and deep blue water, white sand beaches, and small islands. The perspective is from above, looking down at the water's surface.

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Obrigado