



**Arlete Sogorb  
Lisbon Zoo  
President, EAAM**

- Who we are
- What we do



# European Association for Aquatic Mammals

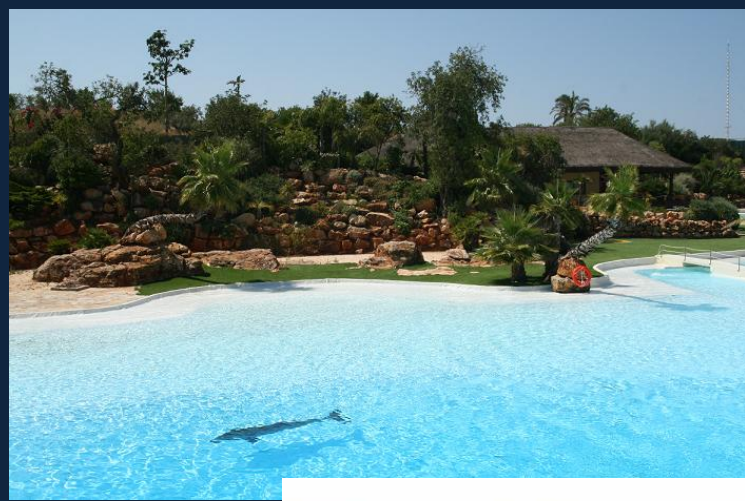
- 20 Zoological Parks in 10 EU Member States exhibiting aquatic mammals (additional members outside Europe)
- All members inspected and accredited in accordance with EAAM Standards
- Many are members and accredited by both EAAM and the European Association of Zoos and Aquariums (EAZA)
- Cooperate with the Alliance of Marine Mammal Parks and Aquariums



EAAM Zoos are licensed according to the EU Zoo Directive.

Zoo Directive obligations:

- 1) Appropriate facilities and care;
- 2) Conservation, including research and breeding;
- 3) Public education and awareness about species exhibited and their habitats.





EAAM: 21 million visitors  
+ Alliance: another 40 million  
**61 million visitors per year!**

Marine mammal parks are powerful tools for public engagement.

Studies have shown that **personal experiences at zoos can increase concern for endangered species and motivate positive conservation behaviour.**

Skibins J. C. and R. B. Powell (2013) Conservation caring: measuring the influence of zoo visitors' connection to wildlife on pro-conservation behaviours. *Zoo Biology* 32:528-40.

# MARLISCO



Juntos por um Mar sem lixo

## FÓRUNS SOBRE LIXO MARINHO EM PORTUGAL

Relatório de atividades

### Fóruns Regionais sobre Lixo Marinho

31 de maio 2014, Faial e Terceira - Açores  
3 de outubro de 2014, Funchal - Madeira

### Fórum Nacional sobre Lixo Marinho

24 de outubro de 2014, Lisboa



3 de novembro de 2014

Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa  
Campus da Caparica, 28-29-516 Caparica



Lisboa  
JARDIM  
ZOOLOGICO  
Portugal

# Marine Litter in European Seas: Social Awareness and CO-Responsibility

## CERTIFICADO DE PARTICIPAÇÃO

FÓRUM NACIONAL SOBRE LIXO MARINHO



Atribui-se este certificado a

Jardim Zoológico de Lisboa

pela participação no Fórum Nacional sobre Lixo Marinho, organizado pela Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, no âmbito do Projeto Europeu MARLISCO – Marine Litter in European Seas: Social Awareness and Co-Responsibility. O Fórum ocorreu no dia 24 de outubro de 2014 em Lisboa.

Lisboa, 27 de outubro de 2014

Profª Paula Sobral  
Coordenadora Nacional do Projeto MARLISCO



Vamos proteger  
a população de  
Golfinhos do Sado!

O Jardim Zoológico  
colabora no Plano  
de Ação para a  
Salvaguarda dos Roazes  
do estuário do Sado.

**GOLFINHO-ROAZ**  
É uma das 60 espécies  
no Jardim Zoológico  
ao abrigo de Programas  
Europeus de Reprodução  
de Espécies Ameaçadas!



**RESPEITE O  
NOSSO ESPAÇO**  
Ao observar os  
Golfinhos-roazes,  
as embarcações não se podem  
aproximar mais de 30m e o  
tempo total de observação está  
limitado a 30 min.  
(DL 9/2006)

**LIXO MARINHO  
UMA AMEAÇA**  
Não deite lixo na praia  
nem no mar.  
Este é perigoso e  
potencialmente letal.

**Sabia que**  
Uma em cada quatro espécies de  
mamíferos está ameaçada pela  
extinção? Mas o Jardim Zoológico  
está em ação. A sua missão é  
Conservar, Educar e Investigar...  
Pela Proteção da Vida Animal.



O Jardim Zoológico colabora e coordena vários programas  
de conservação por todo o Mundo. Saiba mais em [www.zoo.pt](http://www.zoo.pt)

The Blue Week has three dimensions:  
business dynamics, strategic thinking and  
political discussion (June 2015)



CONFERÊNCIA

**bridges**

PONTES PARA UM FUTURO  
MAIS SUSTENTÁVEL.

Finanças | Inovação | Global | Debate

**CONVITE**

**BEING THE  
NEW CHANGE | 11 MARÇO**  
SANTO AMARANTE • LISBOA

A Casa Geral de Depósitos convida-o para a conferência e debate "BEING THE NEW CHANGE" com a participação especial do Sheikh Abdul Aziz Al Nuaimi "Green Sheikh", a 11 de março, às 15h00, no Pequeno Auditório da Culturgest.

Programa em anexo e inscrições em [www.cdm.pt](http://www.cdm.pt)

Entrada gratuita mediante inscrição (sujeito a lotação de salas).

www.pdm.pt

**P**

 JARDIM  
ZOOLOGICO  
*Lisboa - Portugal*



# 29th Conference of Caretakers of the Environment International



Connecting minds, creating  
the future for the oceans  
XXIX CEI CONFERENCE 28th June to 4th of July 2015

30 June – CEI field trip to Lisbon Zoo



# World Oceans Month 2015

Collective public  
education and  
engagement campaign to  
clean up and prevent  
marine debris for the  
benefit of marine  
mammal species.





# Marine Debris

Join the fight. Become the solution.

# #DebrisFreeSea



- 1) Educational materials
- 2) Social media campaign
- 3) Local action, e.g. clean ups
- 4) Promotion of Marine Debris Tracker



# WHAT is Marine Debris?

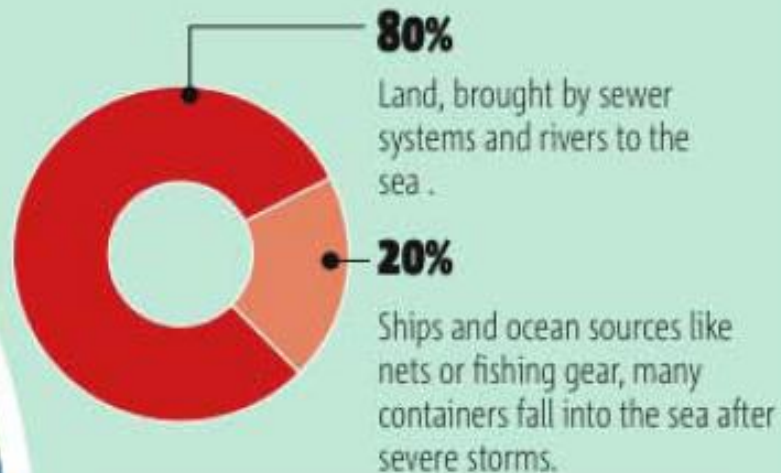
- Marine debris is trash that has entered the ocean. Most of this trash comes from the land, and through wind or city drainage systems has ended up in the sea.
- Many types of marine debris are from fishing gear including nets, line, and hooks.





# WHERE Does Marine Debris COME From?

## Where does it all come from?



## The Marine Litter Express

### The incredible journey of the rubber ducks



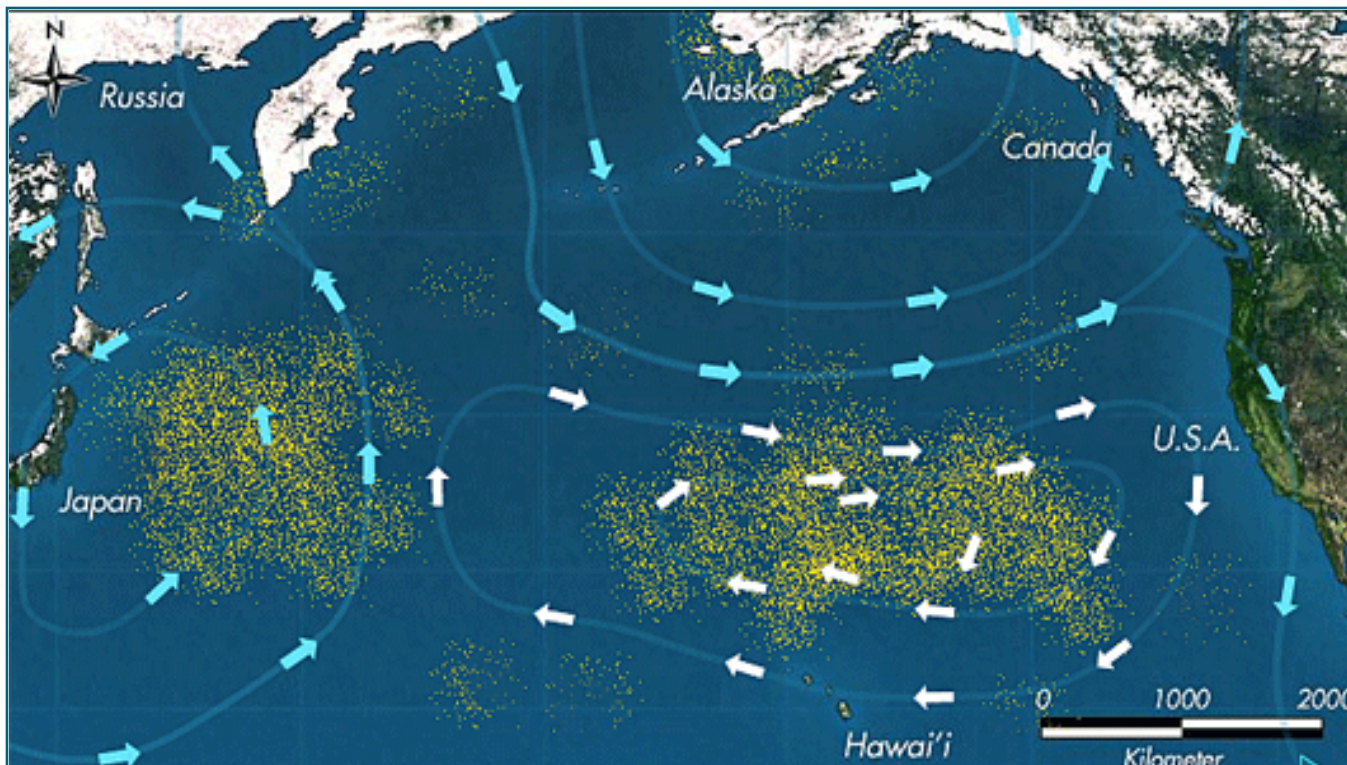
Waste which enters the ocean can turn up anywhere in the world. In 1992 a container ship in the Pacific Ocean lost 30,000 rubber ducks off the coast of China. These ducks first traveled with the dominant currents in the direction of Australia, but fifteen years later they turned up on the shores of the UK. An interesting story, but it illustrates perfectly how ship-source marine litter is a global problem.

Source: Seas at Risk



# WHERE Does Marine Debris GO?

Marine debris becomes caught in the ocean currents and eventually swirls into huge garbage islands in each ocean where it photodegrades into pieces so small that it can no longer be seen, and it can be eaten by everything.



Fact: Marine water samples contain 6 times more plastic than plankton.

Fact: On average, there are 5000 bits of plastic per cubic meter of sand.

Source [1]



## WHEN Will Marine Debris GO AWAY?

Marine debris can last for more than 500 years.

Plastic marine debris does not biodegrade and may remain in the ocean **FOREVER.**





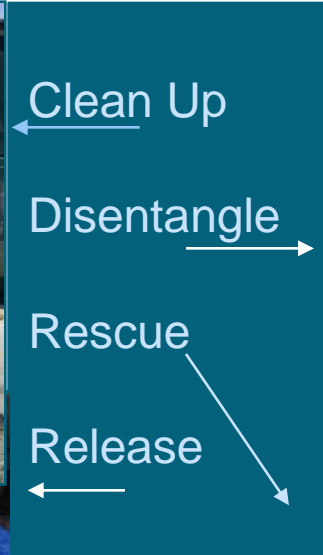
## How Does Marine Debris IMPACT Marine Mammals?

← Entanglement  
and  
↓ Ingestion





## WHAT are the AMMPA and EAAM DOING about Marine Debris?







**ALLIANCE**  
of Marine Mammal Parks & Aquariums





**ALLIANCE**  
of Marine Mammal Parks & Aquariums





# What Can YOU Do About Marine Debris?

## Reduce, Reuse, Recycle

- **Reduce** your use of disposable items
- Choose **reusable** items when possible
- **Recycle** plastics if you must use them at all
- Drink tap water instead of bottled water, when possible.

## Cut the Loop

- Cut any loops of rubber bands and six-pack-rings before putting them into waste.

## Tidy Up

- Join clean-up activities in your local area.
- Track your hard work with the Marine Debris Tracking app.

## Spread the Word

- Share your knowledge with others.
- Tell the world using the social media hashtag **#DebrisFreeSea**





## Be the SOLUTION With Your Friends!

Imagine that you pick up some trash on your way to school, while half way around the world another family cleans up the beach. Imagine the impact we're all having together! No matter where we are, let's track it TOGETHER...



[Download the Marine Debris Tracker app](#) and join a team:

In Europe: Join **Team EAAM** (password: monkseal)

Outside of Europe: Join **Team Alliance** (password: dolphin)



SHARE What You've Learned With Your Friends!

*Tell a Friend!*

*Send a Tweet!*

**#DebrisFreeSea**

**Go Viral!**

*Take a Selfie!*

# *Certificate of Commitment*

*I, \_\_\_\_\_, hereby commit to take action for the benefit of oceans and the marine mammals that live in them. I will:*

- 1) Reduce, reuse and recycle*
- 2) Cut the loop*
- 3) Tidy up*
- 4) Spread the word*

\_\_\_\_\_  
*Date and Place of Commitment*



*"In the end we will conserve only what we love;  
we will love only what we understand;  
and we will understand only  
what we have been taught."*

***Baba Dioum***

**Thank you for  
your attention!**