

**Addressing
Marine Plastics**
A Systemic Approach





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Conceptual diagram illustrating values and threats to Guanabara Bay in Brazil.

Diagram courtesy of the Integration and Application Network (ian.umces.edu), University of Maryland Center for Environmental Science. Source: Assessing the health of Guanabara Bay and its river basins.

ian.umces.edu



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Transforming to a circular economy to prevent marine plastics



Component

1



Component

2



Component

3



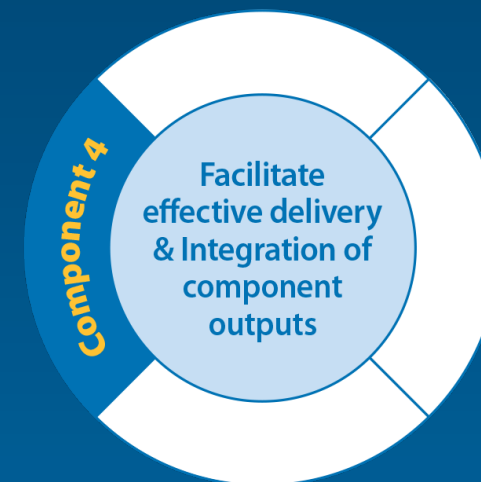
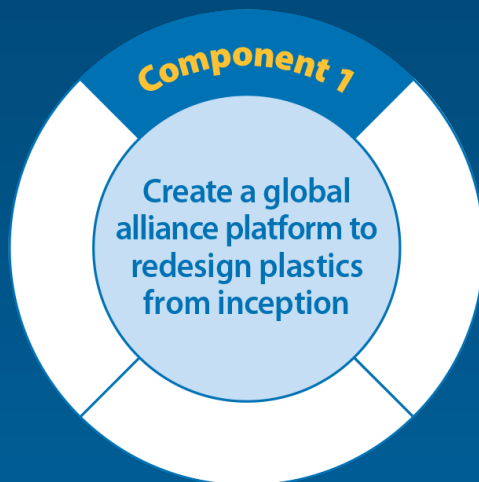
Component

4



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Ecosystems are plastic free:



Four systemic objectives:

- Eliminate plastics we don't need
- Innovate plastics we do need with safely reusable, recyclable or compostable design
- Circulate all usable plastics keeping them in the economy, out of ecosystems
- Activate financially smart waste management solutions



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UN 
environment
United Nations
Environment Programme



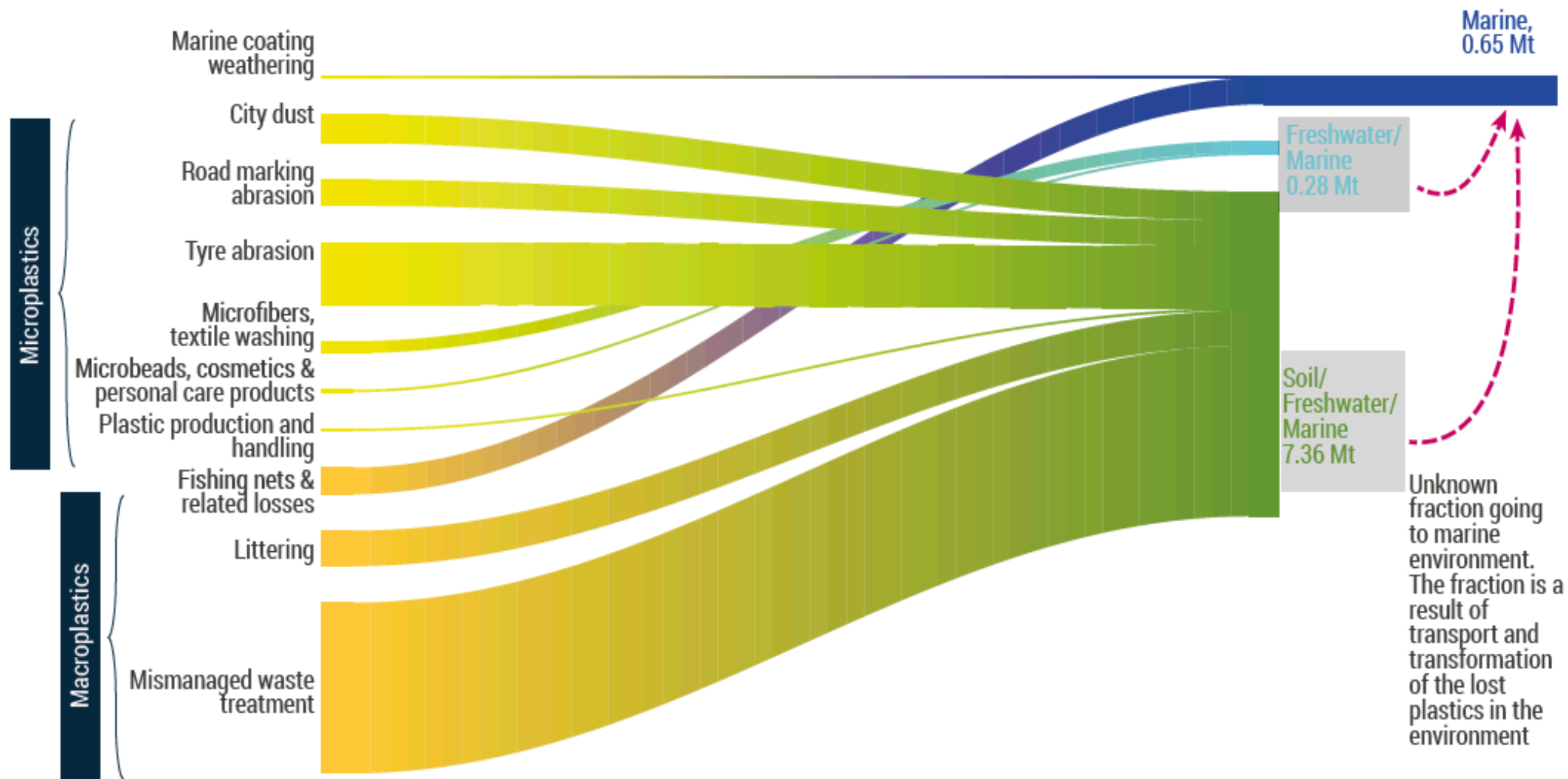


Figure S2. Sources of plastic losses and the environmental compartments to which the plastics are lost

Component

3

Subscribing businesses and governments to increase > 285



Component

1



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National alliances to commit to the Plastics Pact with targets they may set above the global minima.



Component

1



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Industry design innovation model is replicable



Component

1



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Circulate Capital as an waste investment fund model, is replicable



The Incubator Network
and Circulate Capital



The Incubator Network's
Focus on Women

Component

2

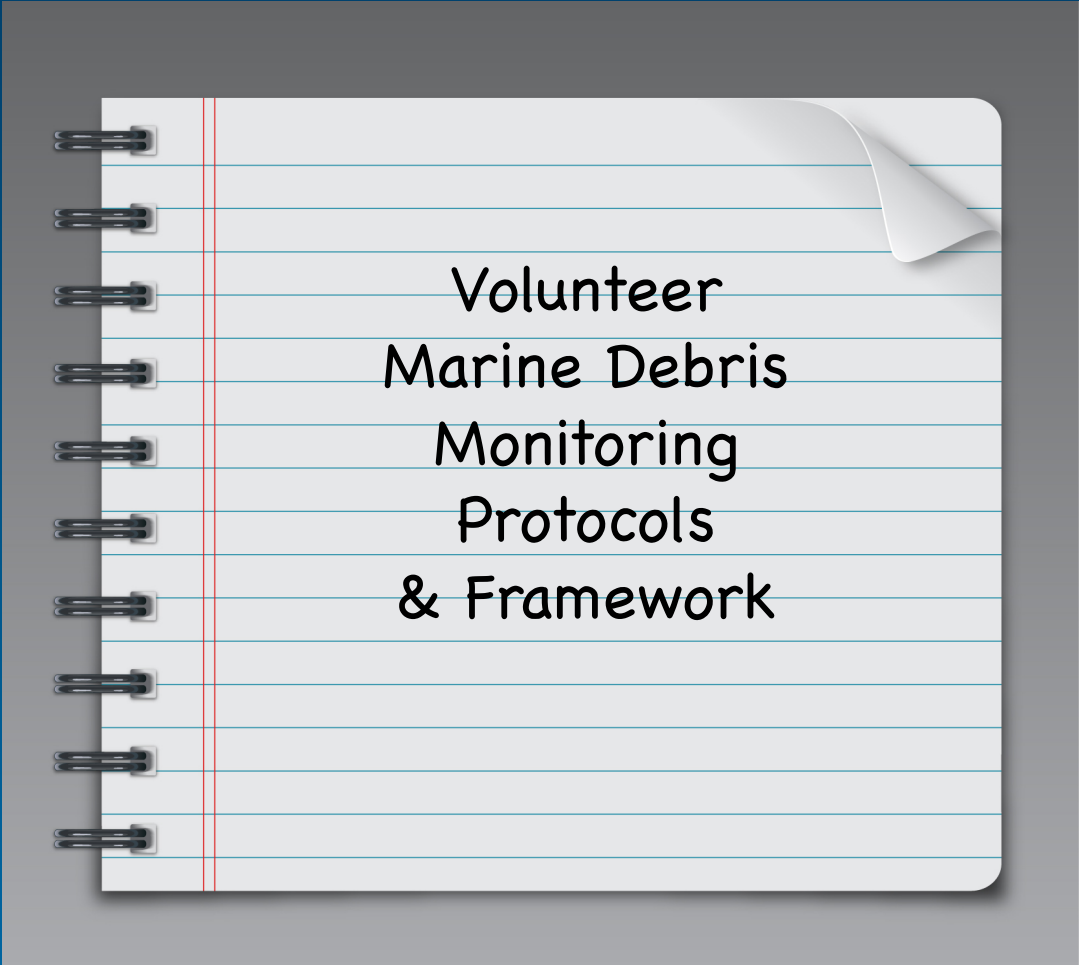


Ocean Conservancy



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Volunteer Marine Debris Monitoring Protocols & Framework



Labuan Bajo Waste Management Plan

Monitoring protocols and waste management planning are replicable initiatives at local scale

Component

2



Ocean Conservancy



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UN environment assembly

The Fourth United Nations
Environment Assembly
of the United Nations
Environment Programme

Innovative Solutions for
Environmental Challenges
and Sustainable Consumption
and Production

Component

3

UN  environment
United Nations
Environment Programme



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Seeding circularity, plastics inside circles, out of soils, rivers & seas



Component 1

NEW PLASTICS ECONOMY

Component 2

Ocean Conservancy

Component 3

UN environment
United Nations Environment Programme

Component 4

G·R·I·D ARENDAL
A Centre Collaborating with UN Environment



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