



# Plastic Packaging

Environmental and Human Health Impacts

&

A Roadmap to Elimination or Reduction

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Midway Atoll

PPG

FEDERAL REGISTER - 4 VOL. 0  
SN 041294174







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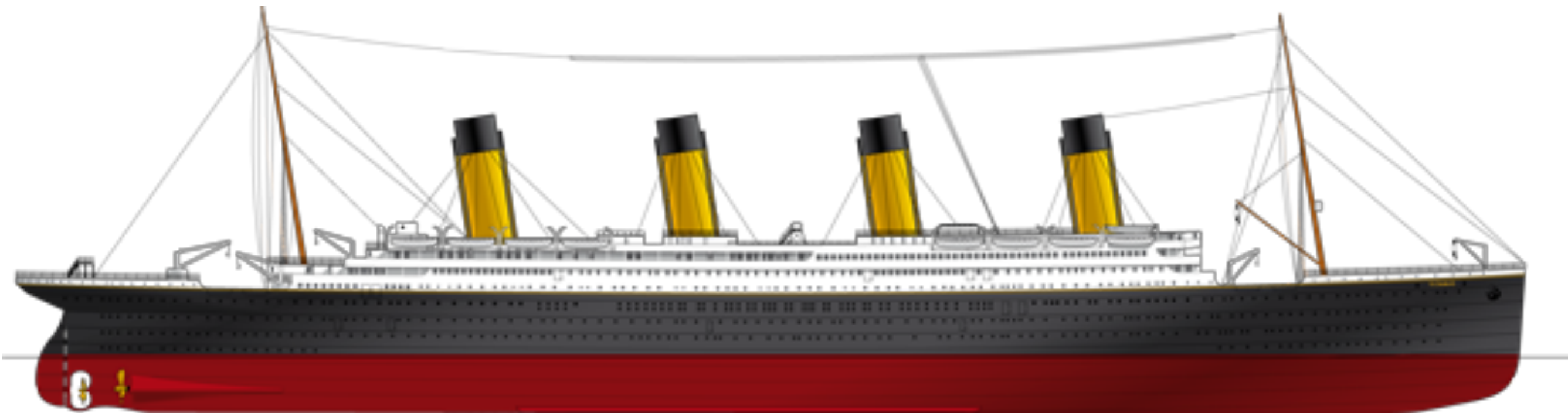
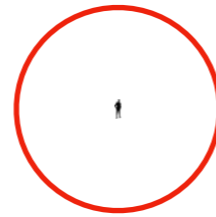




# Seven inconvenient truths about plastics

I. Earth cannot digest plastic







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2. Plastic turns into a plague





# Seven inconvenient truths about plastics

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3. Plastic poisons people



All humans polluted  
(97% of people tested for BPA = positive)

Newborn babies contaminated  
(same exposure ratios as adults)

Endocrine disruption = "Global Threat"  
( Joint declaration by WHO and UNEP )





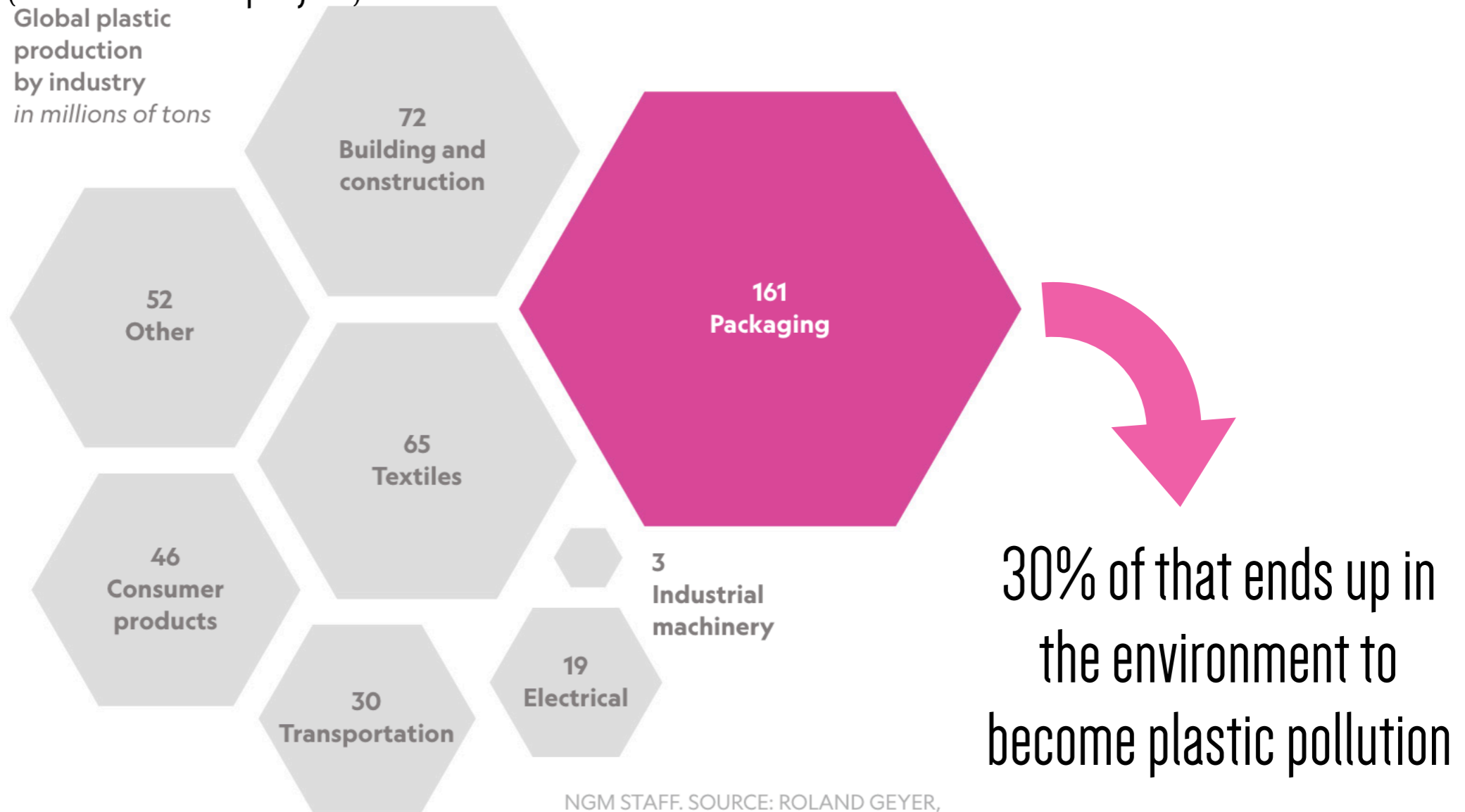
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4. Plastics enable a global disposable culture

**40 percent** of plastic produced is packaging,  
used just once and then discarded.

(450 million tons per year)

Global plastic  
production  
by industry  
in millions of tons



NGM STAFF. SOURCE: ROLAND GEYER,  
UNIVERSITY OF CALIFORNIA, SANTA BARBARA



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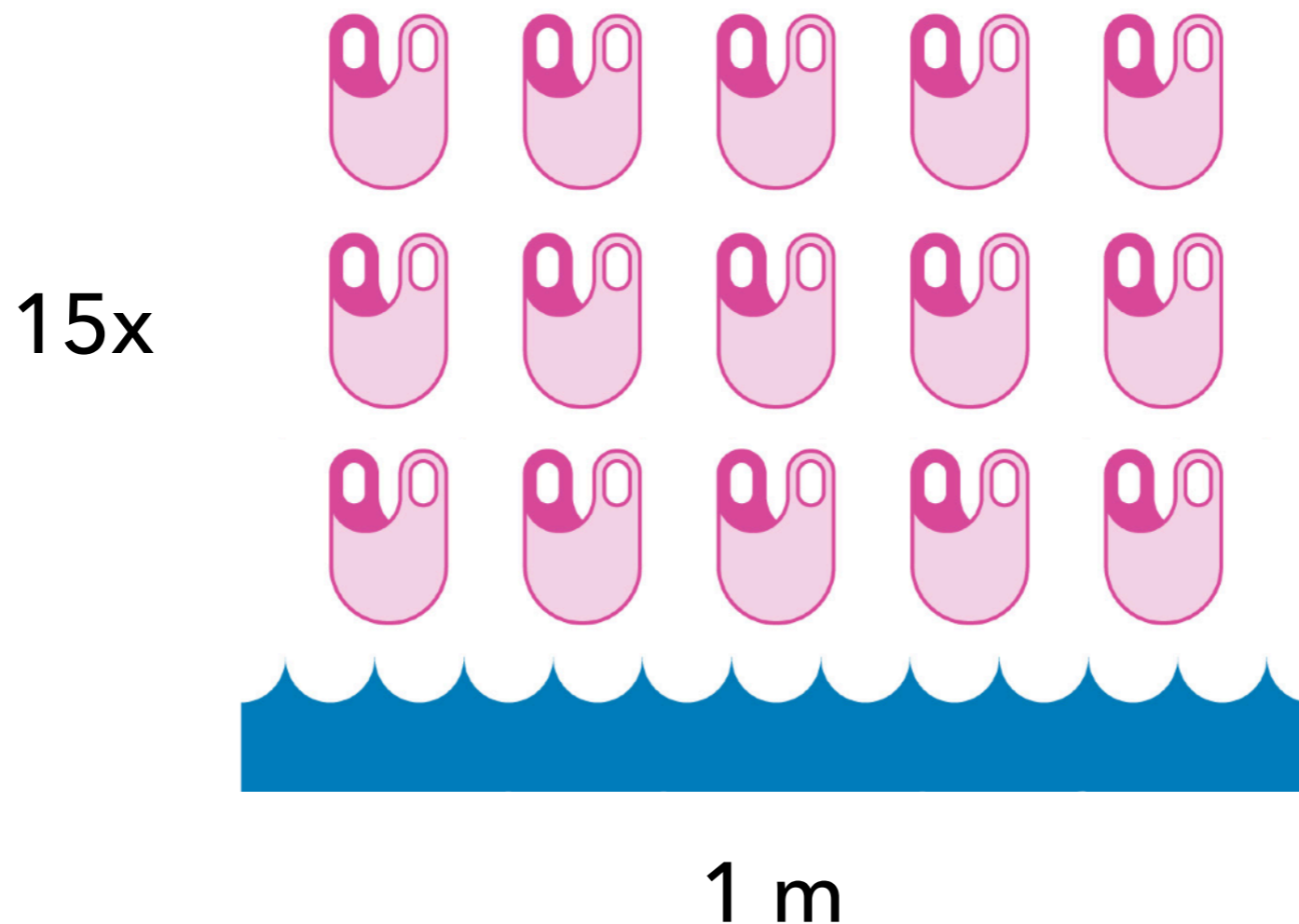


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# 8 million tons of plastic reach the ocean per year



**2050**



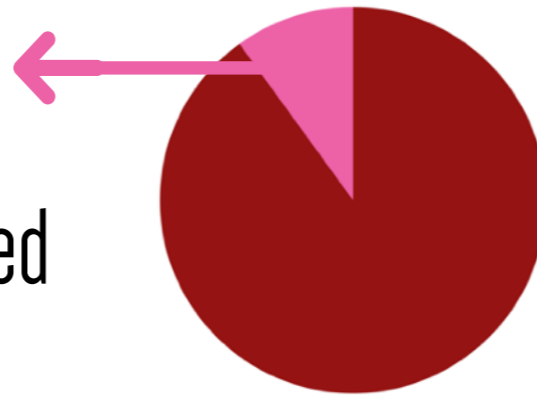


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5. Recycling of plastics is a mirage



14%  
recovered



95% landfilled, incinerated, or exported.

4% becomes non-recyclable items.



1% becomes the same items  
(true recycling)



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Bioplastic does not mean biodegradable plastic

PLA = up to 500 years  
except for industrial composting facility

Bioplastic does not mean safe

Bioplastics also contain chemical additives,

such as PFAS aka "forever chemicals"



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6. There is no such thing as green plastics
7. It's not about disposal, it's about design.







# Seven steps to solutions

I. Be courageous and compassionate



# Seven steps to solutions

1. Be courageous and compassionate
2. Start where it is the easiest & celebrate



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2. Start where it is the easiest & celebrate
3. Choose innovation -vs. efficiency
4. Eliminate or reduce first
5. Switch away from plastic
- 6. Measure and communicate**



SUPER<sup>TM</sup> is a nonprofit helping businesses eliminate single-use plastics through footprinting technology and a tiered certification program



Become a founding SUPER<sup>TM</sup> Certified business in the food sector

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# Seven steps to solutions

1. Be courageous
2. Start where it is the easiest & celebrate
3. Choose innovation! -vs. efficiency
4. Eliminate or reduce first
5. Switch away from plastic
6. Measure and communicate
7. Join forces and share the journey





# Join our Packaged Foods SUPER Mastermind

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# Thank you!

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