

# Plastic waste inputs from land into the ocean

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Aunque todos los países con acceso costero contribuyen al vertido de plásticos al mar, más de la mitad proviene de los citados cinco países asiáticos: China, Indonesia, Filipinas, Vietnam y Tailandia. (Archivo)

#### Plastic waste inputs from land into the ocean

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## ABSTRACT

Plastic debris in the marine environment is widely documented, but the quantity of plastic entering the ocean from waste generated on land is unknown. By linking worldwide data on solid waste, population density, and economic status, we estimated the mass of land-based plastic waste entering the ocean. We calculate that 275 million metric tons (MT) of plastic waste was generated in 192 coastal countries in 2010, with 4.8 to 12.7 million MT entering the ocean. Population size and the quality of waste management systems largely determine which countries contribute the greatest mass of uncaptured waste available to become plastic marine debris. Without waste management infrastructure improvements, the cumulative quantity of plastic waste available to enter the ocean from land is predicted to increase by an order of magnitude by 2025.

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