

Plastic leakage to aquatic environmentsRejet de plastiques dans les environnements aquatiques

Plastic leakage to aquatic environments

Database Specific

Abstract

Global Plastics Outlook - Plastic leakage to aquatic environments

Source

Contact person/organisation

env.linkages@oecd.org

Data source(s) used

OECD ENV-Linkages model

Lebreton and Andrady (2019)

The methodology to derive plastic leakage is explained in the Annex to the OECD Global Plastics Outlook.

- ENV-Linkages model <<https://www.oecd.org/environment/indicators-modelling-outlooks/modelling.htm>>
- OECD Global Plastics Outlook <<https://doi.org/10.1787/de747aef-en>>
- Lebreton and Andrady (2019) <<http://dx.doi.org/10.1057/s41599-018-0212-7>>

Data Characteristics

Date last updated

09-Feb-22

Periodicity

1990-2019

Power code

Millions

Unit of measure used

Tonnes (t) of plastics

Population Scope

Geographic coverage

This dataset provides estimates of plastics leakage for the 15 global regions of the OECD ENV-Linkages model, detailed in the Annex of the OECD Global Plastics Outlook.

Other coverage

This database provides estimates for:

- Leakage from mismanaged waste and litter to aquatic environments

- Transport to oceans
- Accumulated stock of plastics in rivers and lakes
- Accumulated stock of plastics in oceans

Concepts Classifications

Imputation

1990-2019

Other manipulations

Plastic leakages to aquatic environments and the subcategory transport to oceans are estimated by applying the methodology adapted from Lebreton and Andrady (2019), on OECD ENV-Linkages model outputs and plastic leakage from mismanaged and litter. The accumulated stock of plastics leakages in rivers and lakes corresponds to the net cumulative sum of leakages in rivers and lakes from 1951 onwards. The accumulated stock of plastics leakages in oceans corresponds to the net cumulative sum of leakages to oceans from 1951 onwards.