Plastics use by type Utilisation de plastiques par type
Plastics use by type
Database Specific

Abstract

Global Plastics Outlook - plastics use by type

Source
Contact person/organisation

env.linkages@oecd.org

Data source(s) used

OECD ENV-Linkages model
Geyer, Jambeck and Law (2017)
Ryberg et al. (2019)
The methodology to derive secondary plastic volumes 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>
- Geyer, Jambeck and Law (2017) <http://dx.doi.org/10.1126/sciadv.1700782>
- Ryberg et al. (2019) <http://dx.doi.org/10.1016/j.resconrec.2019.104459>

Data Characteristics
Base period

2015

Date last updated

09-Feb-22

Power code
Millions
Reference period

1990-2019

Unit of measure used

Tonnes (t) of plastics

Population Scope
Geographic coverage

This dataset provides estimates of plastics use at the global level.

Item coverage

This dataset provides estimates of plastics use disaggregated by type (primary, secondary, total).

Concepts Classifications
Other manipulations

Primary plastics use is estimated using regional consumption by application data from Ryberg et al. (2019). An assumption of the split by polymer by application is made that it is homogenous to the global values. Histroical values (pre-2015 data) is extrapolated from 2015 data using the global evolution contained in Geyer, Jambeck and Law (2017). Secondary plastics use are derived using recycling rates and recycling loss rates, as described in the GPO annex. The plastics use data is associated with the economic flows in the OECD ENV-Linkages model to estimate changes over time. The total plastics use is equal to the sum of primary and secondary plastics use.