# Environmental Stringency Index

## Sources

* [Environmental policy: Environmental Policy Stringency index | OECD Environment Statistics | OECD iLibrary](https://www.oecd-ilibrary.org/environment/data/oecd-environment-statistics/environmental-policy-stringency-index_2bc0bb80-en)

## Description

* As countries implement stricter environmental policies, the need for tools to compare countries’ environmental policy stringency is becoming more pressing. The OECD Environmental Policy Stringency (EPS) index has become a widely used tool for policy analysis since its creation in 2014. This paper updates the EPS index over three decades from 1990 to 2020, across 40 countries and 13 policy instruments, focussing on climate change and air pollution mitigation policies. It up-grades the index structure across all years, adding a new sub-index that measures the strength of technology support policies, which complements the existing structure of market based and non-market based sub-indices. The paper shows evolving developments – across countries and time – in the stringency of environmental policies.

## Citation

* OECD (2024), "Environmental policy: Environmental Policy Stringency index", *OECD Environment Statistics* (database), <https://doi.org/10.1787/2bc0bb80-en> (accessed on 31 October 2024).

## Definitions

# Environmentally related Patents

## Sources

* [OECD Data Explorer • Patents - indicators](https://data-explorer.oecd.org/vis?lc=en&tm=DF_PAT_IND&pg=0&snb=1&vw=tb&df%5Bds%5D=dsDisseminateFinalDMZ&df%5Bid%5D=DSD_PAT_IND%40DF_PAT_IND&df%5Bag%5D=OECD.ENV.EPI&df%5Bvs%5D=&pd=2010%2C&dq=AUS.A....&to%5BTIME_PERIOD%5D=false) - downloaded from this link
* [OECD Data Explorer • Patents - technology development](https://data-explorer.oecd.org/vis?pg=0&bp=true&snb=17&df%5Bds%5D=dsDisseminateFinalDMZ&df%5Bid%5D=DSD_PAT_DEV%40DF_PAT_DEV&df%5Bag%5D=OECD.ENV.EPI&df%5Bvs%5D=1.0&pd=1997%2C2021&dq=AUT%2BBEL%2BCAN%2BCHL%2BCOL%2BCRI%2BCZE%2BDNK%2BEST%2BFIN%2BFRA%2BDEU%2BGRC%2BHUN%2BISL%2BIRL%2BISR%2BITA%2BJPN%2BKOR%2BLVA%2BLTU%2BLUX%2BMEX%2BNLD%2BNZL%2BNOR%2BPOL%2BPRT%2BSVK%2BSVN%2BESP%2BSWE%2BCHE%2BTUR%2BGBR%2BUSA%2BOECD%2BOECDA%2BOECDSO%2BOECDE%2BAUS.A.ENV_PAT.PATN.TWO.&to%5BTIME_PERIOD%5D=false&lc=en&tm=Technology%20development&vw=tb) - filtered version (use this)
* [Patents on environment technologies | OECD](https://www.oecd.org/en/data/indicators/patents-on-environment-technologies.html?oecdcontrol-8027380c62-var3=1996)

## Unit of Measure

* Number of Patents

# Environmental Related Tax

## Sources

* [Environmental tax | OECD](https://www.oecd.org/en/data/indicators/environmental-tax.html?oecdcontrol-8027380c62-var3=2001)
* [OECD Data Explorer • Environmentally related tax revenue](https://data-explorer.oecd.org/vis?lc=en&tm=DF_ERTR&pg=0&snb=1&vw=tb&df%5Bds%5D=dsDisseminateFinalDMZ&df%5Bid%5D=DSD_ERTR%40DF_ERTR&df%5Bag%5D=OECD.ENV.EPI&df%5Bvs%5D=&pd=2017%2C&dq=A..TAXREV._T._T.USD.&to%5BTIME_PERIOD%5D=false) - downloaded

## Unit of Measure

* USD

## Types

### Environmental Tax on Solid Waste

* + [OECD Data Explorer • Environmentally related tax revenue](https://data-explorer.oecd.org/vis?lc=en&tm=DF_ERTR&pg=0&snb=1&vw=tb&df%5Bds%5D=dsDisseminateFinalDMZ&df%5Bid%5D=DSD_ERTR%40DF_ERTR&df%5Bag%5D=OECD.ENV.EPI&df%5Bvs%5D=&pd=1997%2C2022&dq=A.AUT%2BBEL%2BCAN%2BCHL%2BCOL%2BCRI%2BCZE%2BDNK%2BEST%2BFIN%2BFRA%2BDEU%2BGRC%2BHUN%2BISL%2BIRL%2BISR%2BITA%2BJPN%2BKOR%2BLVA%2BLTU%2BLUX%2BMEX%2BNLD%2BNZL%2BNOR%2BPOL%2BPRT%2BSVK%2BSVN%2BESP%2BSWE%2BCHE%2BTUR%2BGBR%2BUSA%2BEU27%2BOECD%2BOECDA%2BOECDSO%2BOECDE%2BOECD_REP%2BAUS.TAXREV._T.SLID_WST.PT_B1GQ.&to%5BTIME_PERIOD%5D=false)
  + [Environmental country reviews | OECD](https://www.oecd.org/en/topics/sub-issues/environmental-country-reviews.html)

#### Unit of Measure

* + - Percent of GDP

# Expenditure Related to Environment

## Source

* [OECD Data Explorer • Public finance and procurement by function - Government at a glance indicators, 2023 edition](https://data-explorer.oecd.org/vis?fs%5B0%5D=Topic%2C1%7CPublic%20governance%23GOV%23%7CPublic%20finance%20and%20budgets%23GOV_PFB%23&pg=0&fc=Topic&bp=true&snb=14&df%5Bds%5D=dsDisseminateFinalDMZ&df%5Bid%5D=DSD_GOV_COFOG%40DF_GOV_COFOG_2023&df%5Bag%5D=OECD.GOV.GIP&df%5Bvs%5D=1.0&dq=A.AUS%2BBEL%2BCHL%2BCOL%2BCRI%2BCZE%2BDNK%2BEST%2BFIN%2BFRA%2BDEU%2BGRC%2BHUN%2BISL%2BIRL%2BISR%2BITA%2BJPN%2BKOR%2BLVA%2BLTU%2BLUX%2BNLD%2BNOR%2BPOL%2BPRT%2BSVK%2BSVN%2BESP%2BSWE%2BCHE%2BGBR%2BUSA%2BOECD%2BOECD_REP%2BAUT.GINV...GF05..&pd=2007%2C&to%5BTIME_PERIOD%5D=false&vw=tb) (filtered ver)

## Unit of Measure

* Percentage of general government investment

# Ones Not Used:

## Environmental protection expenditure and revenues (nope)

* [Environmental protection expenditure and revenues | OECD Environment Statistics | OECD iLibrary](https://www.oecd-ilibrary.org/environment/data/oecd-environment-statistics/environmental-protection-expenditure-and-revenues_data-00694-en)
* Not from 1997. Starts at 2005

## Amount Designated for Treatment Operations (Not enough Data)

* [OECD Data Explorer • Waste - Municipal waste: generation and treatment](https://data-explorer.oecd.org/vis?lc=en&fs%5B0%5D=Topic%2C1%7CEnvironment%23ENV%23%7CWaste%20management%23ENV_WAS%23&pg=0&fc=Topic&bp=true&snb=5&df%5Bds%5D=dsDisseminateFinalDMZ&df%5Bid%5D=DSD_MUNW%40DF_MUNW&df%5Bag%5D=OECD.ENV.EPI&df%5Bvs%5D=1.0&pd=1997%2C2022&dq=AUT%2BBEL%2BCAN%2BCHL%2BCOL%2BCRI%2BCZE%2BDNK%2BEST%2BFIN%2BFRA%2BDEU%2BGRC%2BHUN%2BISL%2BIRL%2BISR%2BITA%2BJPN%2BKOR%2BLVA%2BLTU%2BLUX%2BMEX%2BNLD%2BNZL%2BNOR%2BPOL%2BPRT%2BSVK%2BSVN%2BESP%2BSWE%2BCHE%2BTUR%2BGBR%2BUSA%2BOECD%2BOECDA%2BOECDSO%2BOECDE%2BAUS.A.TREATMENT.&to%5BTIME_PERIOD%5D=false&vw=tb) (downloaded from here)