

33 Average trading carbon price

Indicator type **Core indicator**

Published

Versioning

First publication Latest update

Area and sub-area

Area and sub-area

Presentation

Tier

Indicator definition and description

Unit of measure

Coverage

Spatial aggregation

Reference period

Update frequency

Base period

Disaggregation (operational indicators)

Disaggregation (operational indicators)	Comments
<input type="text" value="Temporal (by month, by season)"/>	<input type="text"/>

Other related -indicators (e.g.contextual, proxy, other core indicators)

ID	Subindicator	Type
<input type="text" value="66"/>	<input type="text" value="Average non-trading carbon price (carbon tax)"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="67"/>	<input type="text" value="Number of CO2 permits allocated"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="68"/>	<input type="text" value="Effective carbon price"/>	<input type="text" value="Contextual indicator"/>

Relevance

Policy context and rationale

Related SDG indicator (SDG I.)

Relation w SDG-I.

Related Sendai Framework I.

Policy references

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Document title	Link
Kyoto Protocol (United Nations Climate Change, 1997)	https://unfccc.int/process-and-meetings/the-kyoto-protocol/what-is-the-kyoto-protocol/kyoto-protocol-targets-for-the-first-commitment-period
United Nations Framework Convention on Climate Change (United Nations Climate Change, 1994)	https://unfccc.int/process-and-meetings/the-convention/what-is-the-united-nations-framework-convention-on-climate-change
Paris Agreement (United Nations, 2015)	https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement

Methodology

Methodology for indicator calculation The indicators is calculated as weighed average (by volume) of carbon prices paid by companies participating in emissions trading scheme (ETS) resident in the country, on stock exchanges during the reference year.

Methodology references

Classification syst. Not applicable

Data sources

Main source Other than official statistics

Explanation

SEEA Accounts that can serve as data sources

UN-FDES

International databases containing this indicator

European Energy Exchange	https://www.eex.com/en/market-data/environmental-markets/eua-primary-auction-spot-download
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Comments

Comments

There are two main types of carbon pricing: emissions trading systems (ETS) and carbon taxes:

- An emissions trading system – also known as a cap-and-trade system – caps the total level of greenhouse gas emissions across a given industry, or the whole economy, and then allocates or auctions emission allowances to companies operating in that sector. By creating supply and demand for emissions allowances, an ETS establishes a market price for greenhouse gas emissions.
- A carbon tax directly sets a price on carbon by defining a tax rate on greenhouse gas emissions or – more commonly – on the carbon content of fossil fuels.

Only the first type of carbon pricing is covered by the indicator.