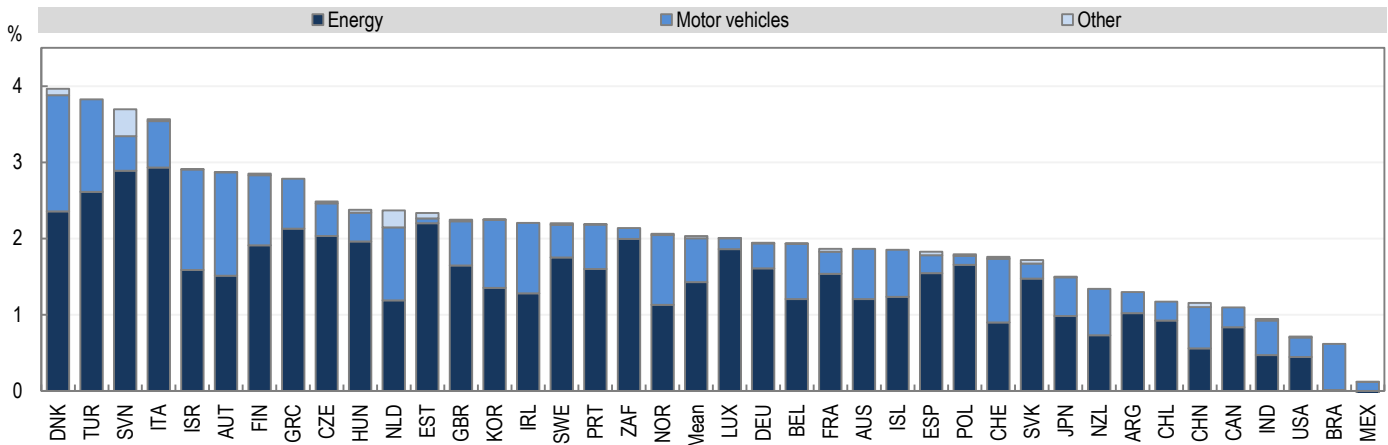


Revenue from environmentally-related taxes in Indonesia¹

The figure below shows environmentally-related tax revenue among 34 OECD and 5 partner economies. In 2014, environmentally-related tax revenues were at 2.0% on average among the 39 countries. Currently this data is not available for Indonesia.

Environmentally-related tax revenue as a percentage of GDP, 2014



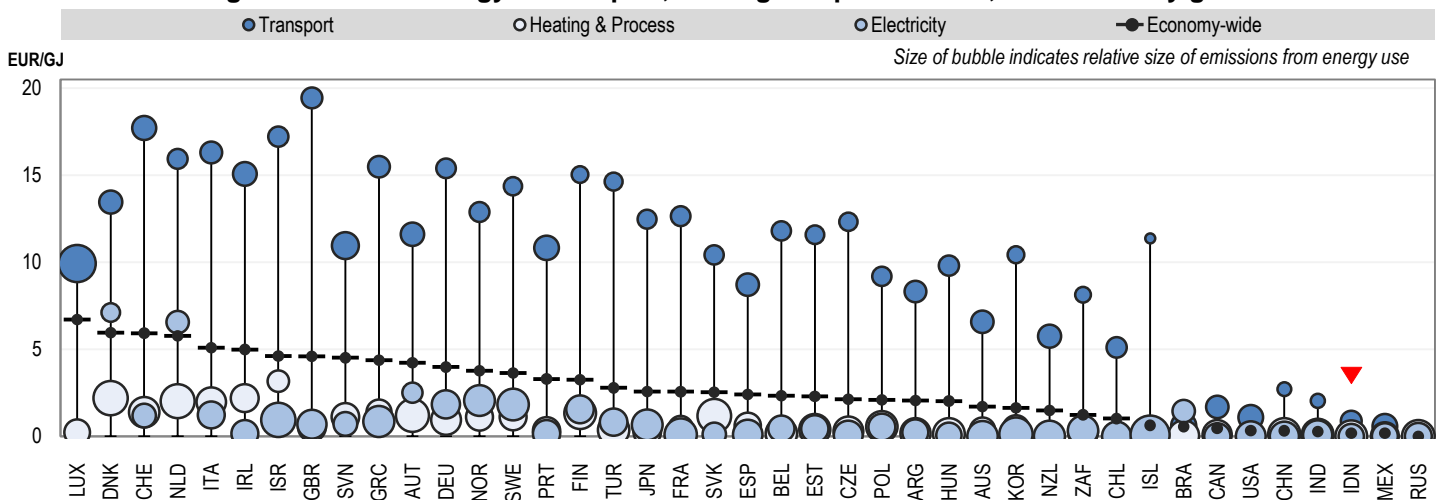
¹Data from the OECD.Stat include all OECD countries (except Latvia) and Argentina, Brazil, China, India and South Africa. Please see source for country specific notes.

Taxes on energy use in Indonesia²

The [OECD's Taxing Energy Use \(2015\)](#) publication compares taxes on energy use (excise and carbon taxes) across 34 OECD and 7 partner economies with tax rates expressed in EUR per GJ. The chart below shows average tax rates by sector across all fuels and the economy-wide average. The bubble size represents the weight of the sector in total energy use.

- » Indonesia has higher average tax rates on transport fuels (0.88 EUR/GJ) than on fuels used for heating and process purposes (0 EUR/GJ) or electricity generation (0 EUR/GJ);
- » Indonesia has the 3rd lowest tax rate on energy on an economy-wide basis, at EUR 0.18 per GJ, compared with EUR 2.7 per GJ on a simple-average basis across the 34 OECD and 7 partner economies.

Average tax rates on energy in transport, heating and process use, and electricity generation



²Data from *Taxing Energy Use* are for 2012 and include all OECD countries (except Latvia) and Argentina, Brazil, China, India, Indonesia, Russia and South Africa.

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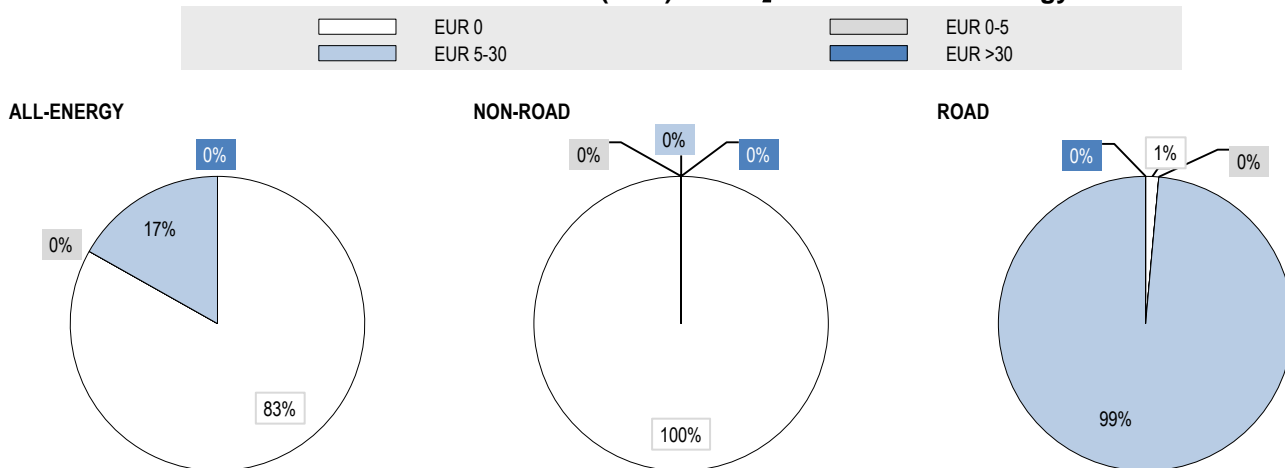
Effective carbon rates in Indonesia

According to the [OECD's Effective Carbon Rates \(2016\)](#) publication, the combined price signal on CO₂ emissions from taxes on energy and emissions trading systems (ETS) gives the effective carbon rate (ECR).³ The charts below show shares of CO₂ emissions subject to different price ranges, for road, non-road and all emissions from energy use. EUR 30 is a conservative estimate of the climate damage from one tonne of CO₂ emissions.

- » In Indonesia, 83% of carbon emissions from energy use face no price signal at all; 17% face a price at or above EUR 5 per tonne of CO₂; and 0% face a price at or above EUR 30 per tonne of CO₂. This compares to a zero price for 60% of emissions across all countries, a price at or above EUR 5 per tonne for 30% and at or above EUR 30 per tonne for 10% of emissions.

- » Excluding road use, 100% of carbon emissions from energy use in Indonesia face no price signal at all; 0% face a price at or above EUR 5 per tonne of CO₂; and 0% face a price at or above EUR 30 per tonne of CO₂. This compares to a zero price for 70% of emissions across all countries, a price at or above EUR 5 per tonne for 19% and at or above EUR 30 per tonne for 4% of emissions.

Distribution of Effective Carbon Rates (ECR) on CO₂ emissions from energy use in Indonesia



³Notes on the interpretation of effective carbon rates: Box 3.1 (p.38-40), OECD's Effective Carbon Rates (2016), or consult <http://oe.cd/ECRinterpretation>
 Figures shown in the charts may not add up to 100% due to rounding

CO₂ emissions priced and average rates in Indonesia

The table below shows the average price signals from taxes and trading systems, and the share of emissions priced by these

- » Indonesia does not currently have an ETS.
- » In total, taxes in Indonesia price 17% of CO₂ emissions from energy use. The sector with the highest tax coverage is road transport (99%).

Share of emissions priced and average price signals from tax, Indonesia

	CO ₂ emissions by sector (in t CO ₂)	Tax		ETS		Overlap of tax and ETS ⁵	Emissions not priced by tax or ETS
		Average price (in EUR/tCO ₂)	Share of emissions priced	Average price (in EUR/tCO ₂)	Share of emissions priced		
Agriculture & Fishing	7 938	0.0	0%	0.0	0%	0%	100%
Electricity	120 121	0.0	0%	0.0	0%	0%	100%
Industry	181 109	0.0	0%	0.0	0%	0%	100%
Offroad transport	15 153	0.0	0%	0.0	0%	0%	100%
Residential & Commercial	240 070	0.0	0%	0.0	0%	0%	100%
Road transport	116 313	14.1	99%	0.0	0%	0%	1%
Total⁴	680 703	2.4	17%	0.0	0%	0%	83%

Access the data for all 41 countries: <http://oe.cd/emissionsdata>

⁴Total average prices are weighted by the share of emissions in each sector that is priced in the country.

⁵Tax and ETS can apply to the same emissions base. The overlap describes the percentage of emissions in a sector that is priced by both tax and ETS.