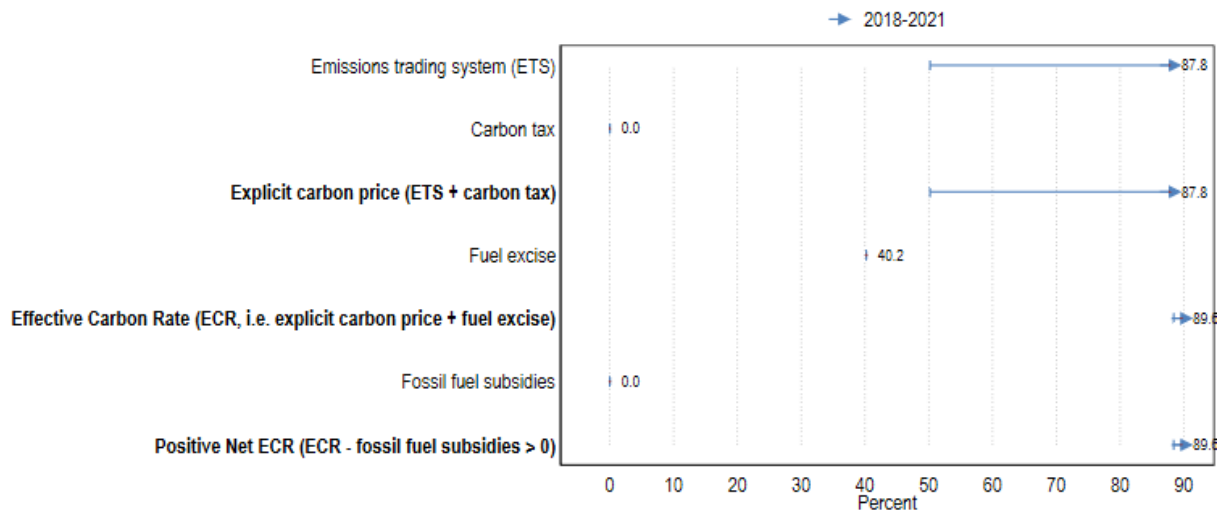


## Carbon pricing in Germany

### Share of greenhouse gas emissions subject to a positive price by instrument, 2018-2021

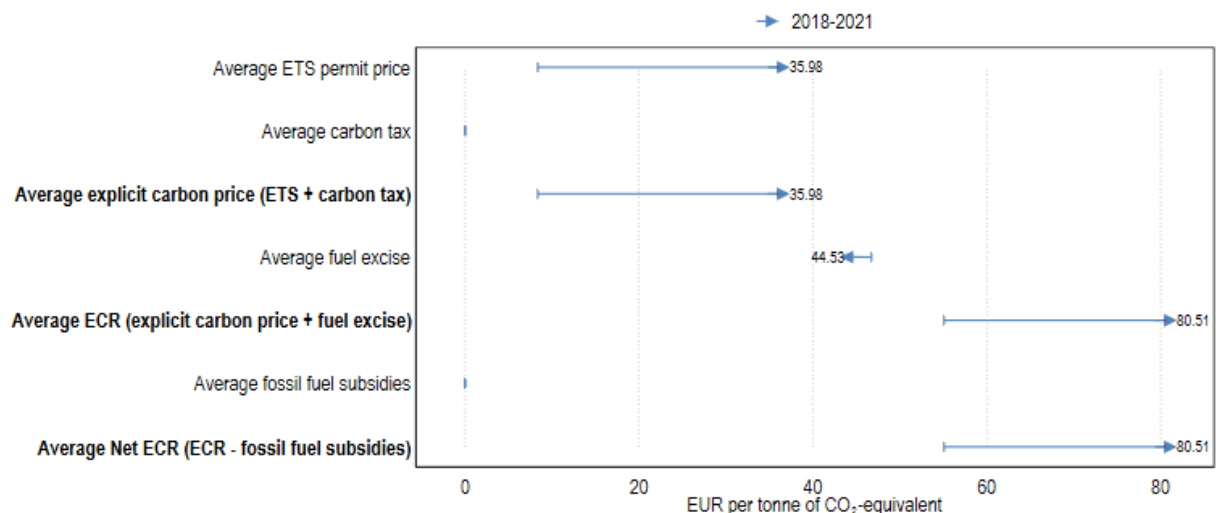
In 2021, explicit carbon prices in Germany consist of the European Union (EU) Emissions Trading System (ETS) and the national ETS permit prices, which cover 87.8% of greenhouse gas (GHG) emissions in CO<sub>2</sub>e. In total, 89.6% of GHG emissions in Germany are subject to a positive Net Effective Carbon Rate (ECR) in 2021, up from 88.4% in 2018. The share of emissions covered by an explicit carbon price has increased by 37.6 percentage points since 2018 following the introduction of the national ETS. Fuel excise taxes, an implicit form of carbon pricing, cover 40.2% of emissions in 2021, unchanged since 2018.



Note: Percentages are rounded to the first decimal place.

### Average effective carbon prices by instrument, real 2021 EUR, 2018-2021

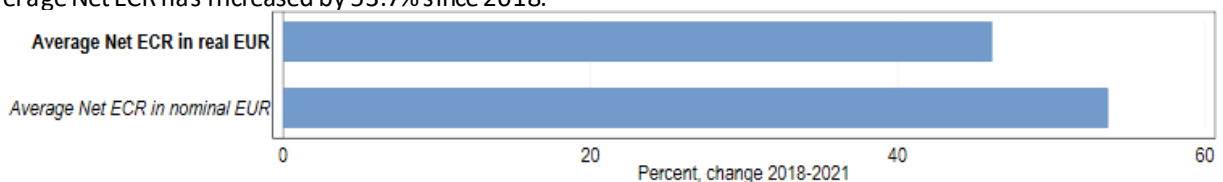
Explicit carbon prices have increased to an average of EUR 35.98 per tonne of CO<sub>2</sub>e, up by EUR 27.63 (330.9%) since 2018. In 2021, fuel excise taxes amounted to EUR 44.53 on average, down by EUR 2.21 (4.7%) relative to 2018.



Note: Prices are rounded to the nearest eurocent.

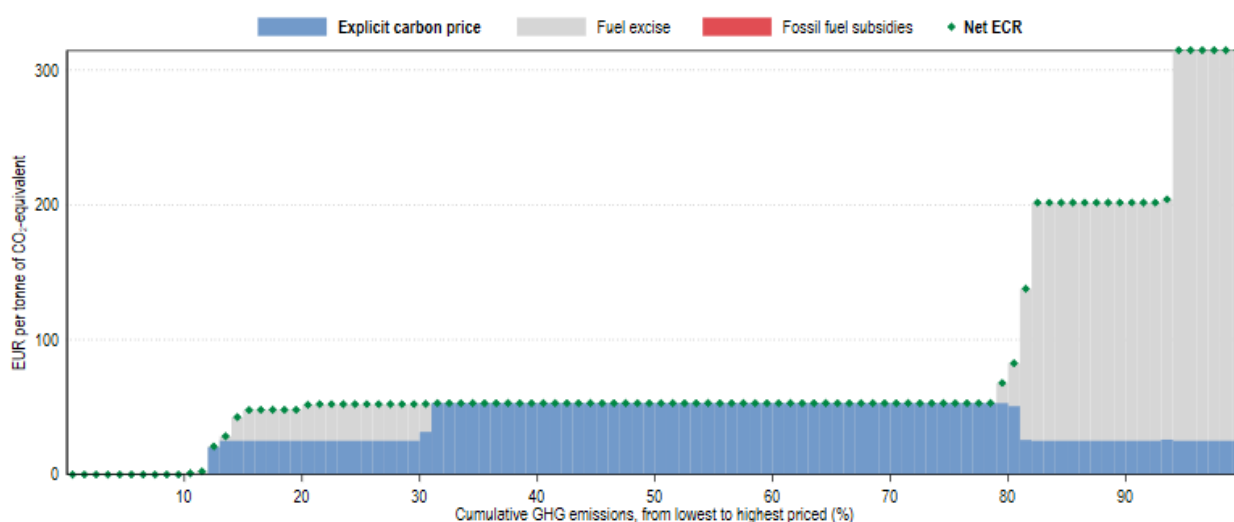
### Percentage change in the average Net ECR by reference price, 2018-2021

The change in carbon prices in Germany was affected by inflation. The average Net ECR on GHG emissions has increased by 46.1% since 2018 when measured in real 2021 euros. In nominal euros, devalued by inflation, the average Net ECR has increased by 53.7% since 2018.



## Distribution of effective carbon prices across GHG emissions, 2021

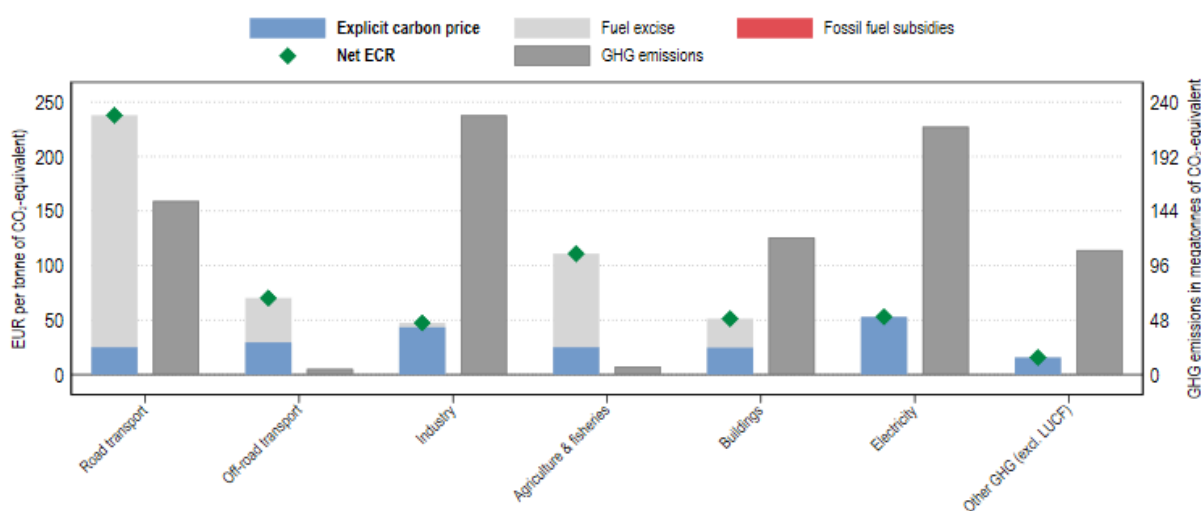
Less than 20.6% of GHG emissions have a Net ECR above EUR 60 per tonne of CO<sub>2</sub>e, a mid-range estimate of current carbon costs.



Note: Simplified for illustration (the average price for each percentile bracket is shown).

## Average effective carbon prices (left axis) and GHG emissions (right axis) by sector, 2021

Net effective carbon rates are highest in the road transport sector, which accounts for 18.2% of the country's total GHG emissions. The Net ECR is positive in all sectors.



### Want to know more?

- Access the report *Pricing Greenhouse Gas Emissions* (OECD 2022): <https://oe.cd/pricing-greenhouse-gas-emissions>.
- Which domestic policy instruments are included as carbon pricing instruments? View the background information: [www.oecd.org/tax/tax-policy/carbon-pricing-background-notes.pdf](http://www.oecd.org/tax/tax-policy/carbon-pricing-background-notes.pdf)
- Access the data shown in the country notes: <https://stats.oecd.org/Index.aspx?DataSetCode=ECRS>

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