



International energy price comparisons study

PRESENTATION TO CREG GENERAL COUNCIL

26 October 2011

Agenda

- Purpose and scope
- Methodology
- Electricity and gas price comparisons
 - Households
 - SME
 - Industry
- Summary

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Purpose and scope

- Five countries (B, D, F, GB and NL)
- Electricity and gas
- Households, SME and industry
- Standard consumer sizes and other characteristics
- Total delivered price and three main components
 - Network charges (with taxes removed)
 - Taxes, levies and financial burdens – major focus area
 - Estimated energy (commodity) costs
- Report today on all consumer types but with more emphasis on industry

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Methodology

- Detailed review of applicability of taxes, levies and financial burdens in each jurisdiction
- Smaller consumers
 - Direct observation of final prices
 - Representativeness of prices – offers and networks
 - Price components – energy by deduction
- Industrial consumers
 - No published data for final prices
 - Estimate energy costs from market data and profiles
 - Add published data on network charges and taxes/levies

Standard consumers – annual consumption

- HH

- 3,500 kWh electricity
- 23,260 kWh gas

- SME

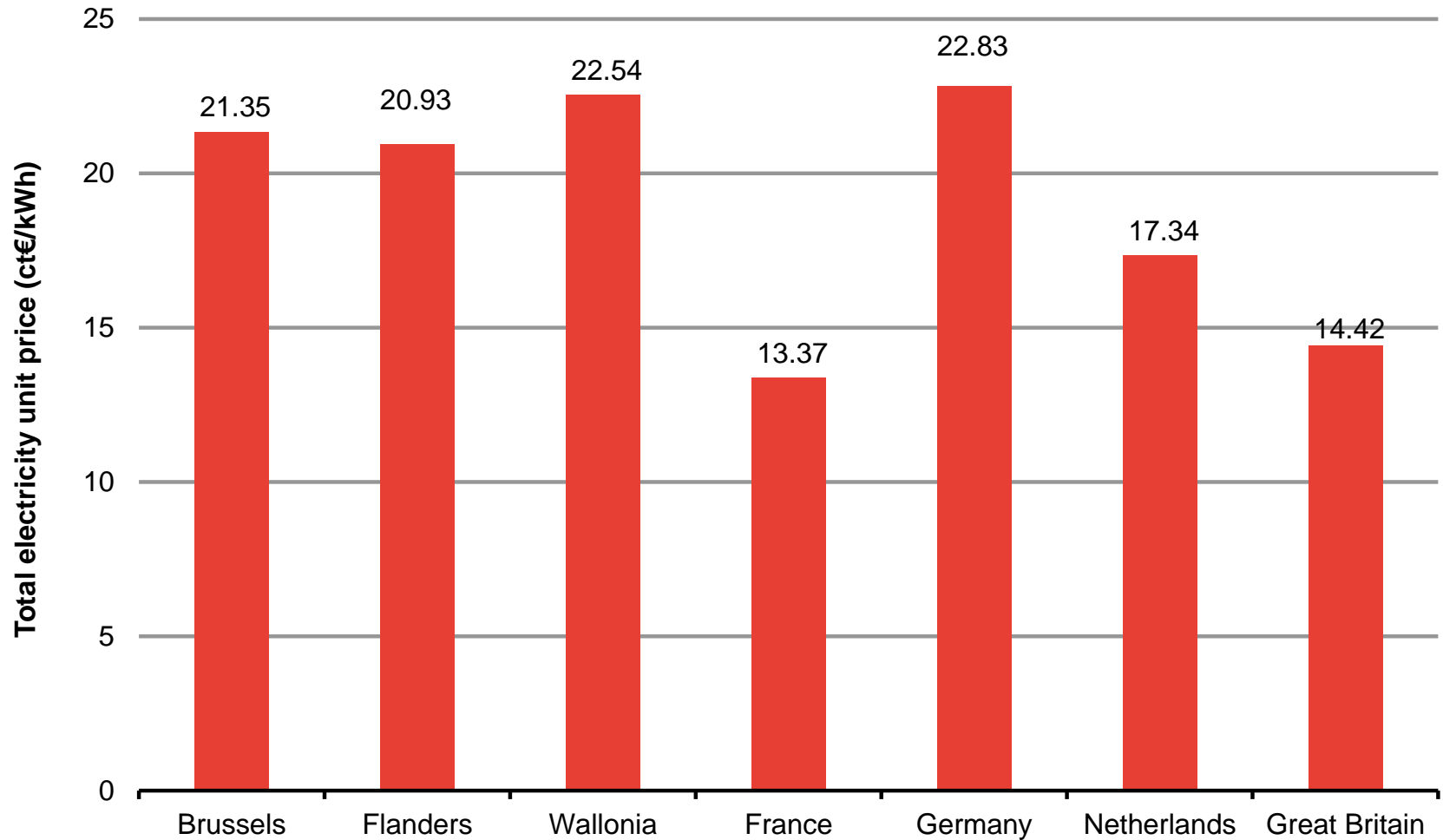
- 160 MWh electricity – Medium voltage connection
- 2,300 MWh gas

- Industry

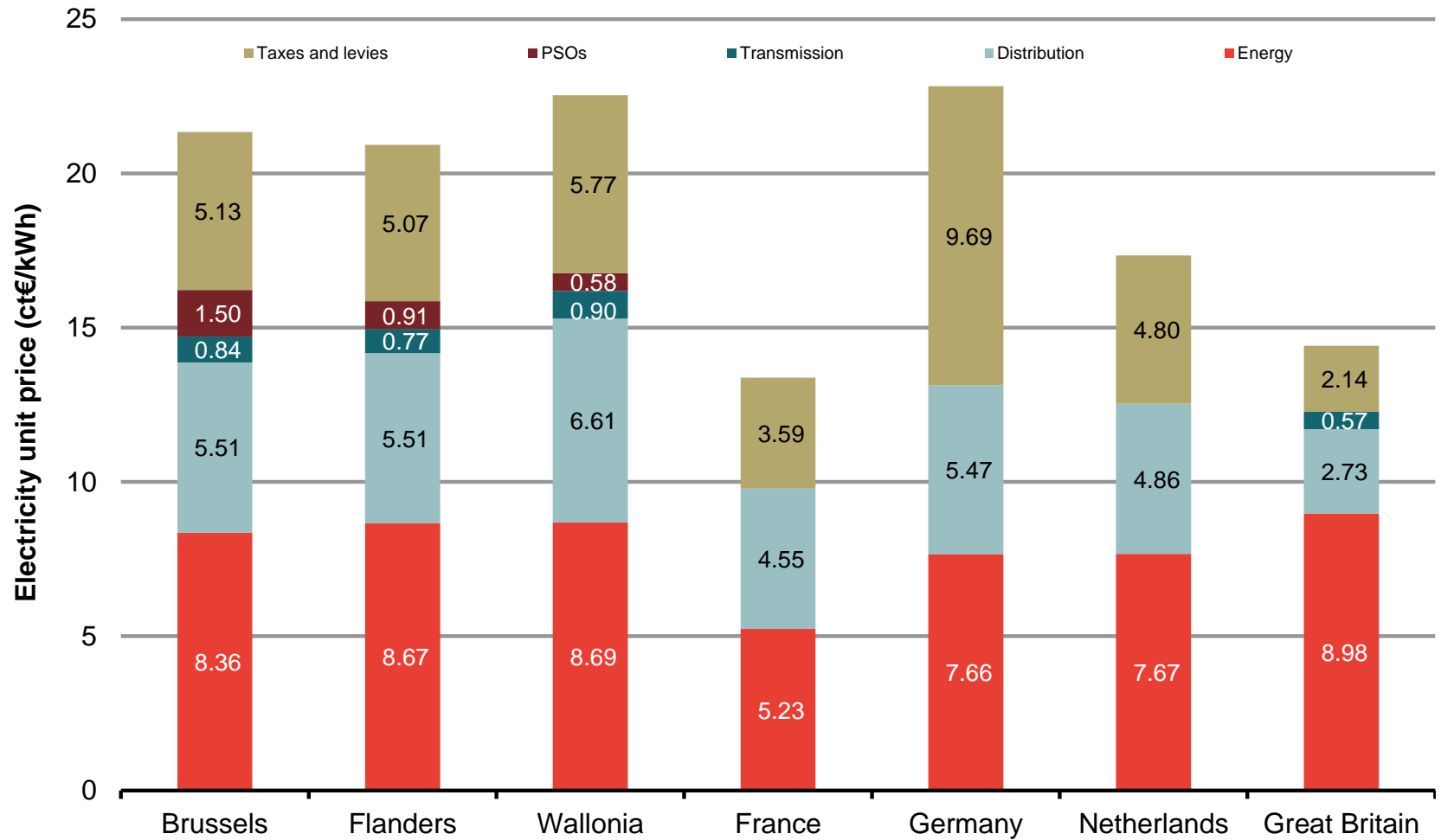
- 5, 25 and 250 GWh electricity
- 10 GWh gas

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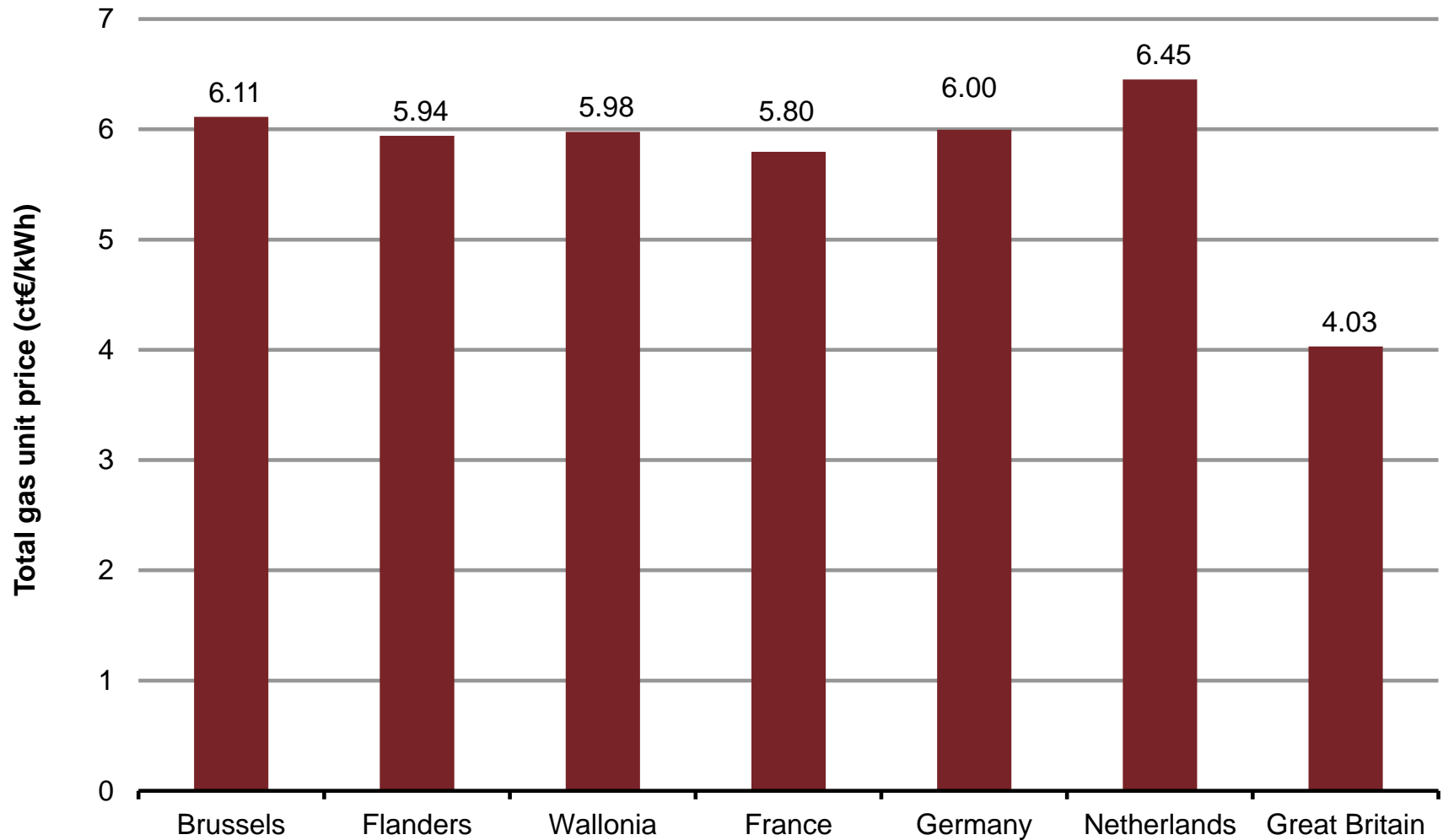
HH electricity – final prices (incl. VAT)



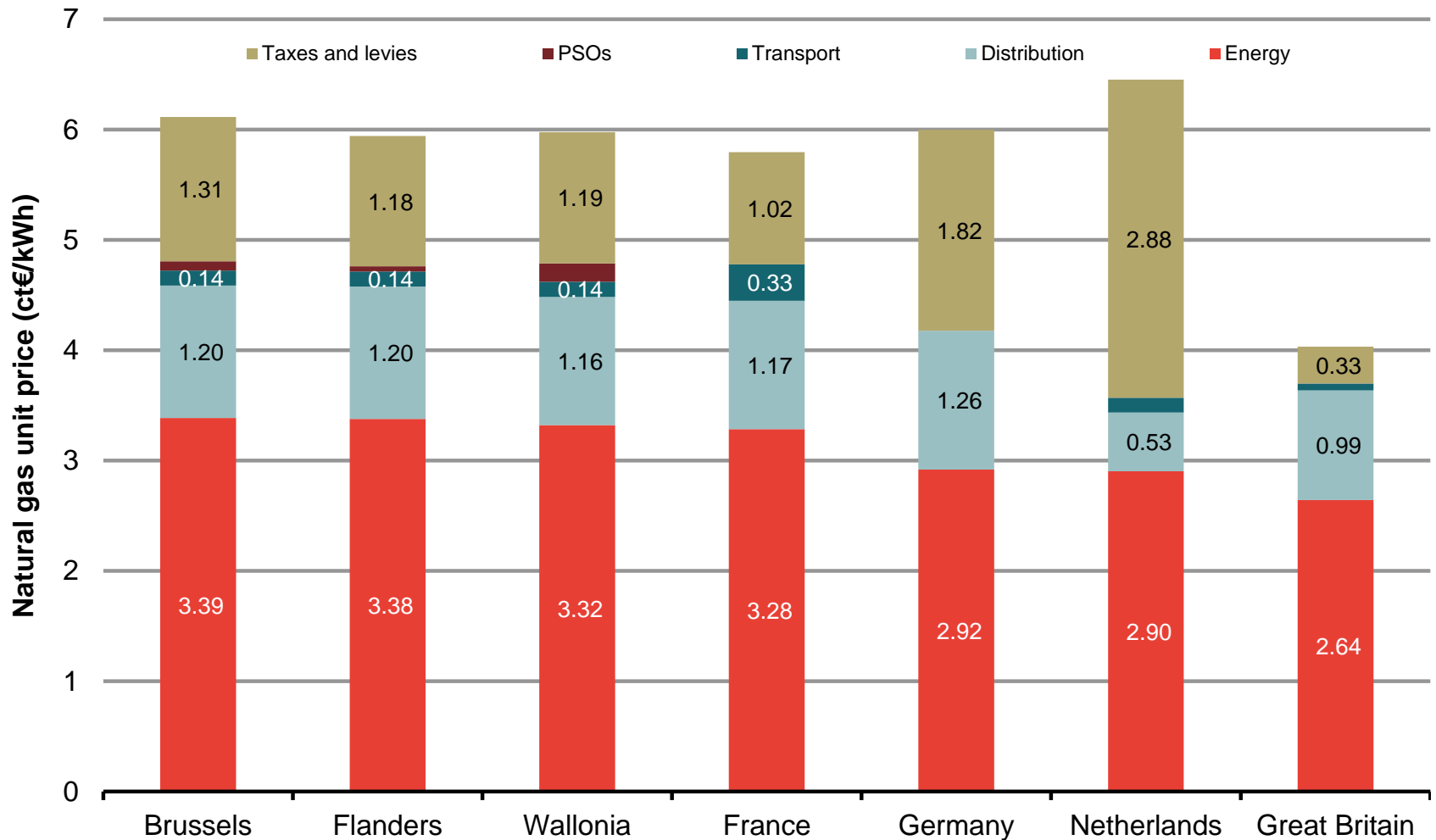
HH electricity – price components



HH gas – final prices (incl. VAT)

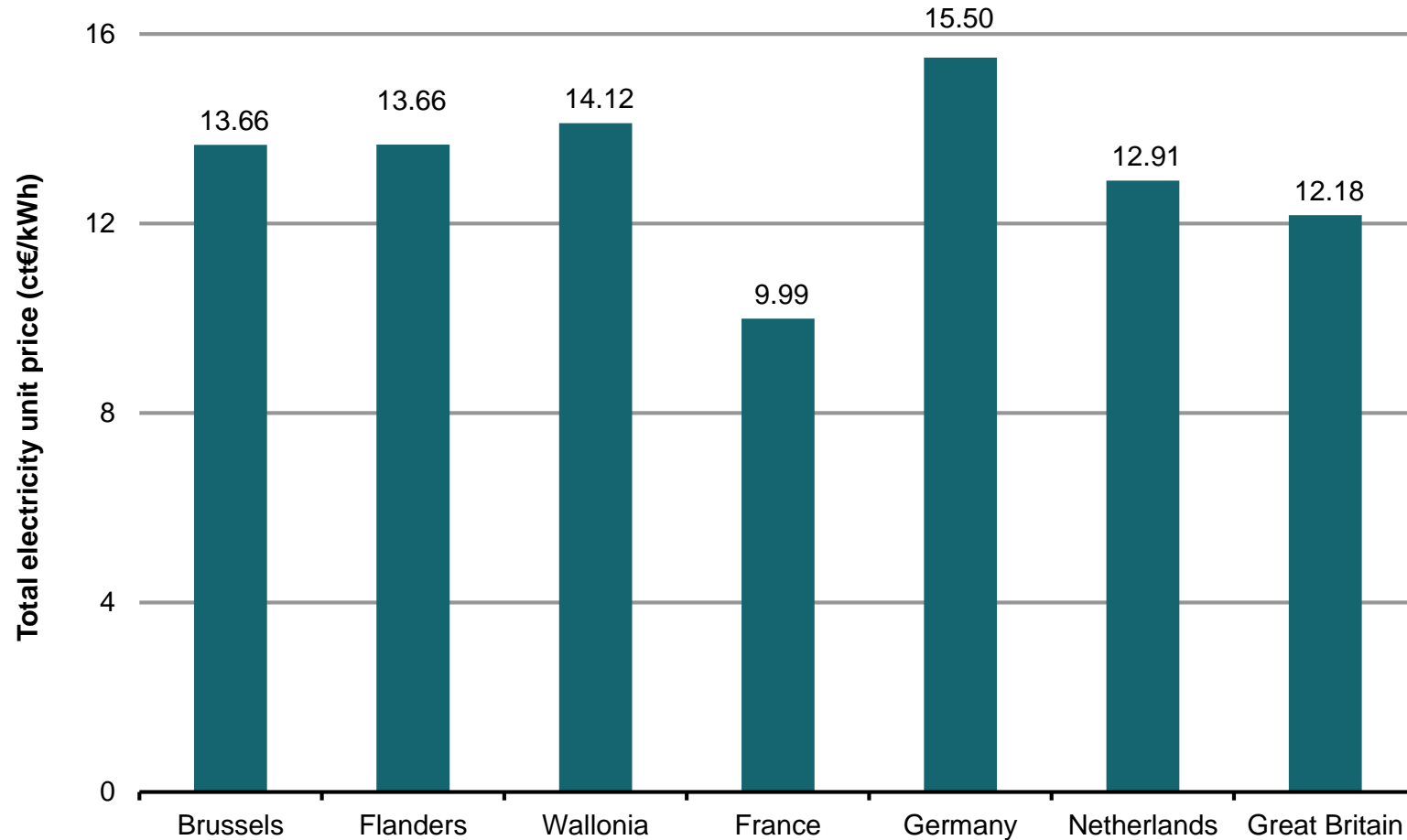


HH gas – price components

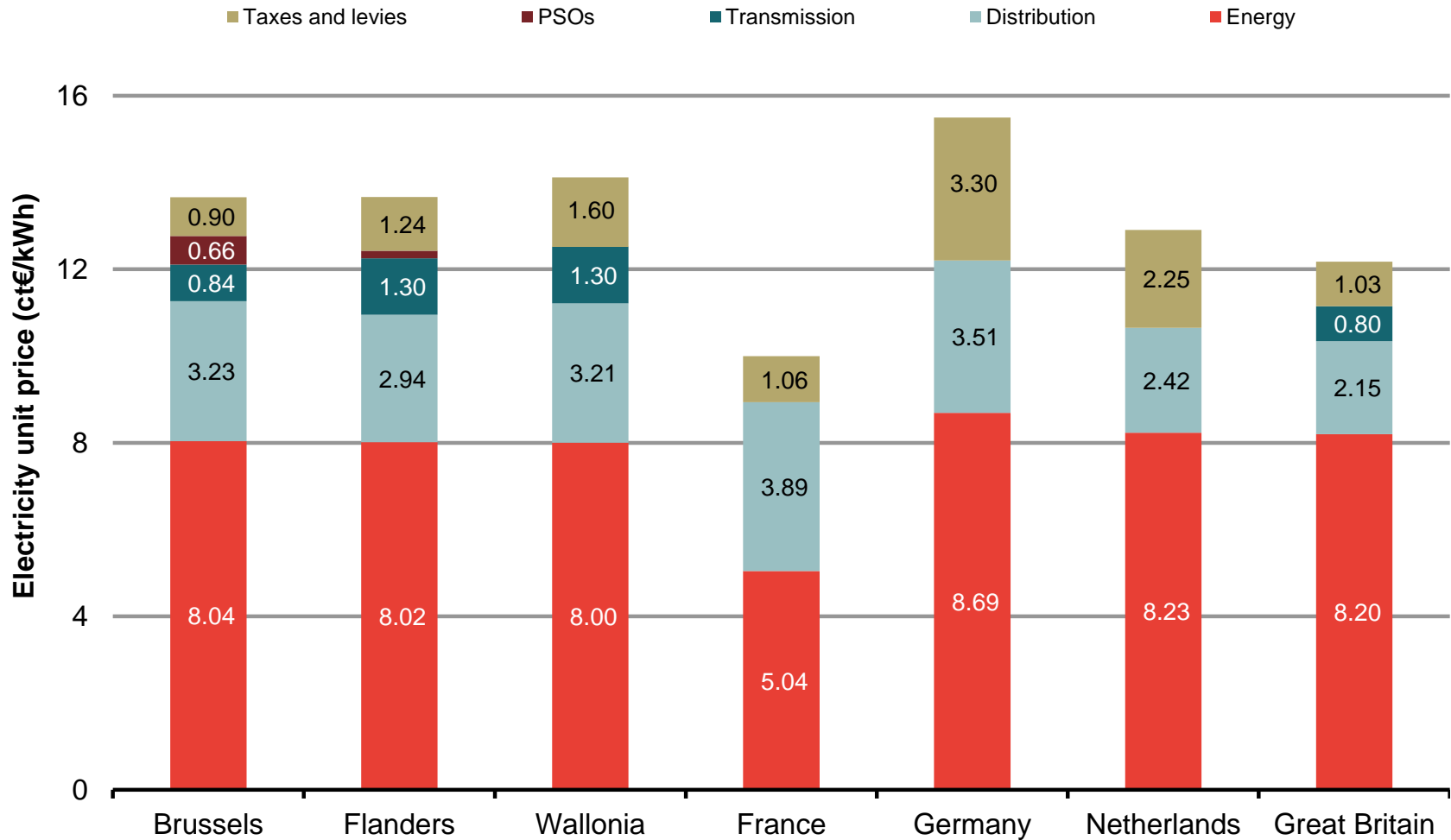


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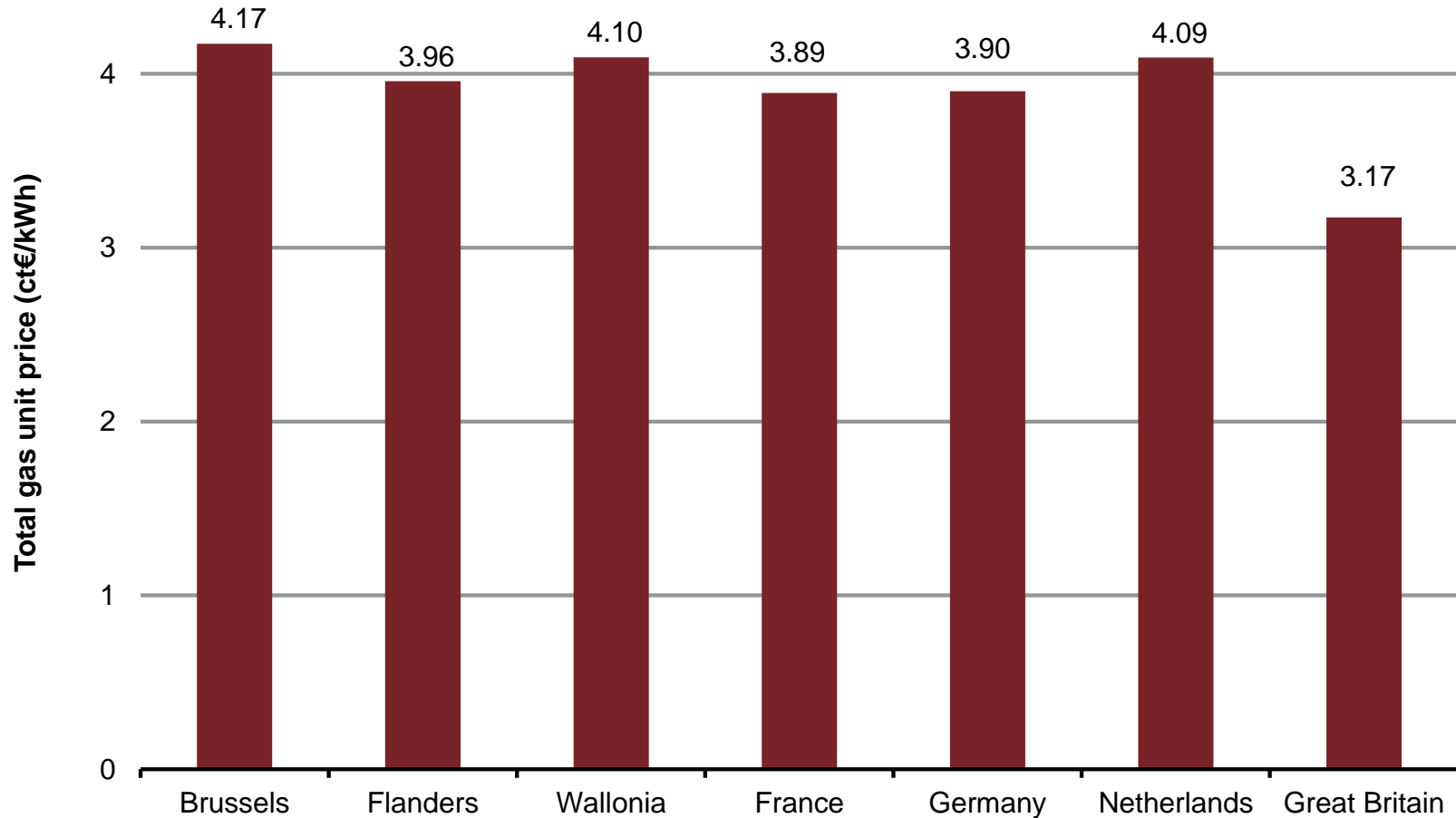
SME electricity – final prices (excl. VAT)



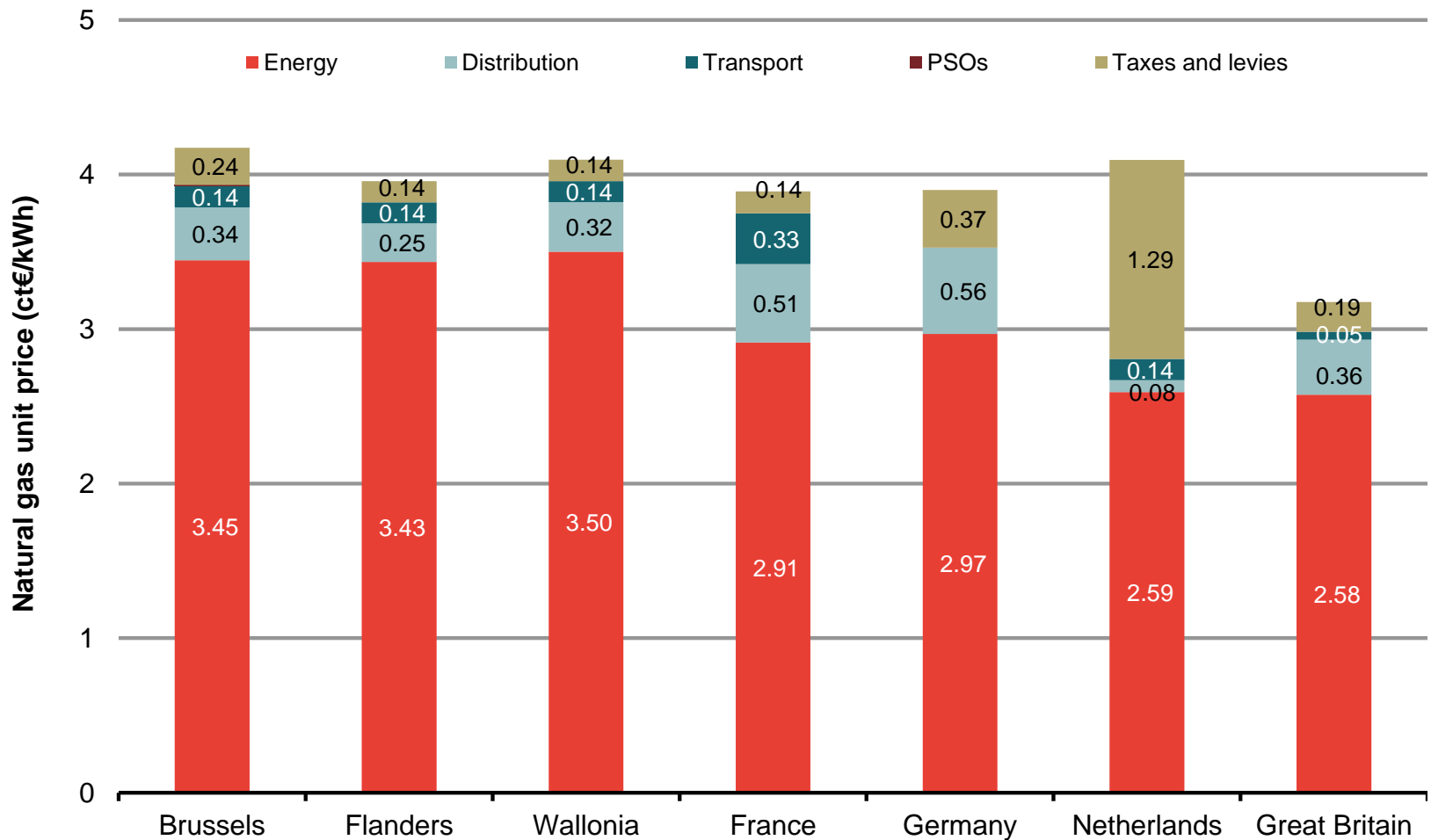
SME electricity – price components



SME gas – final prices (excl. VAT)

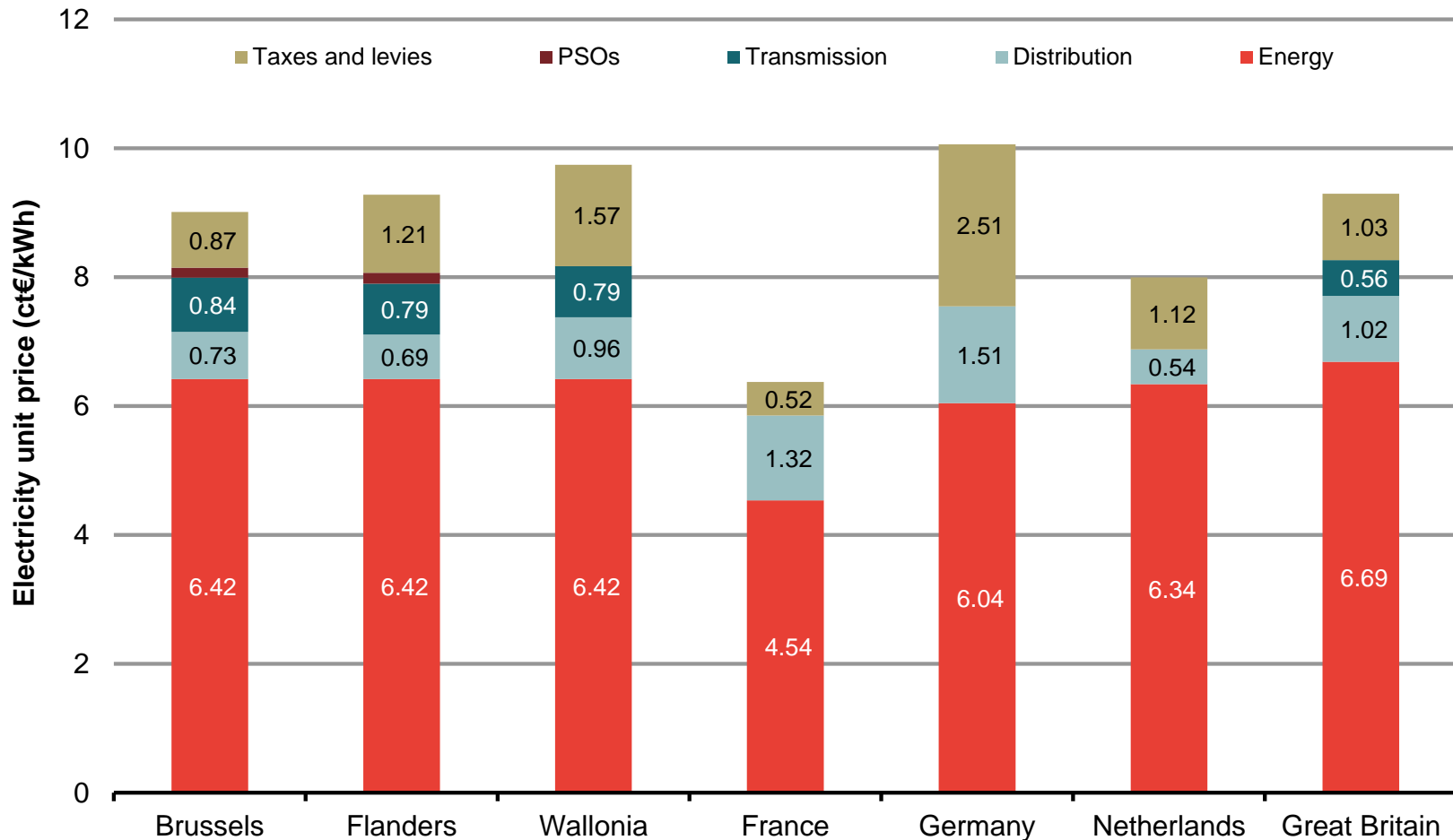


SME gas – price components

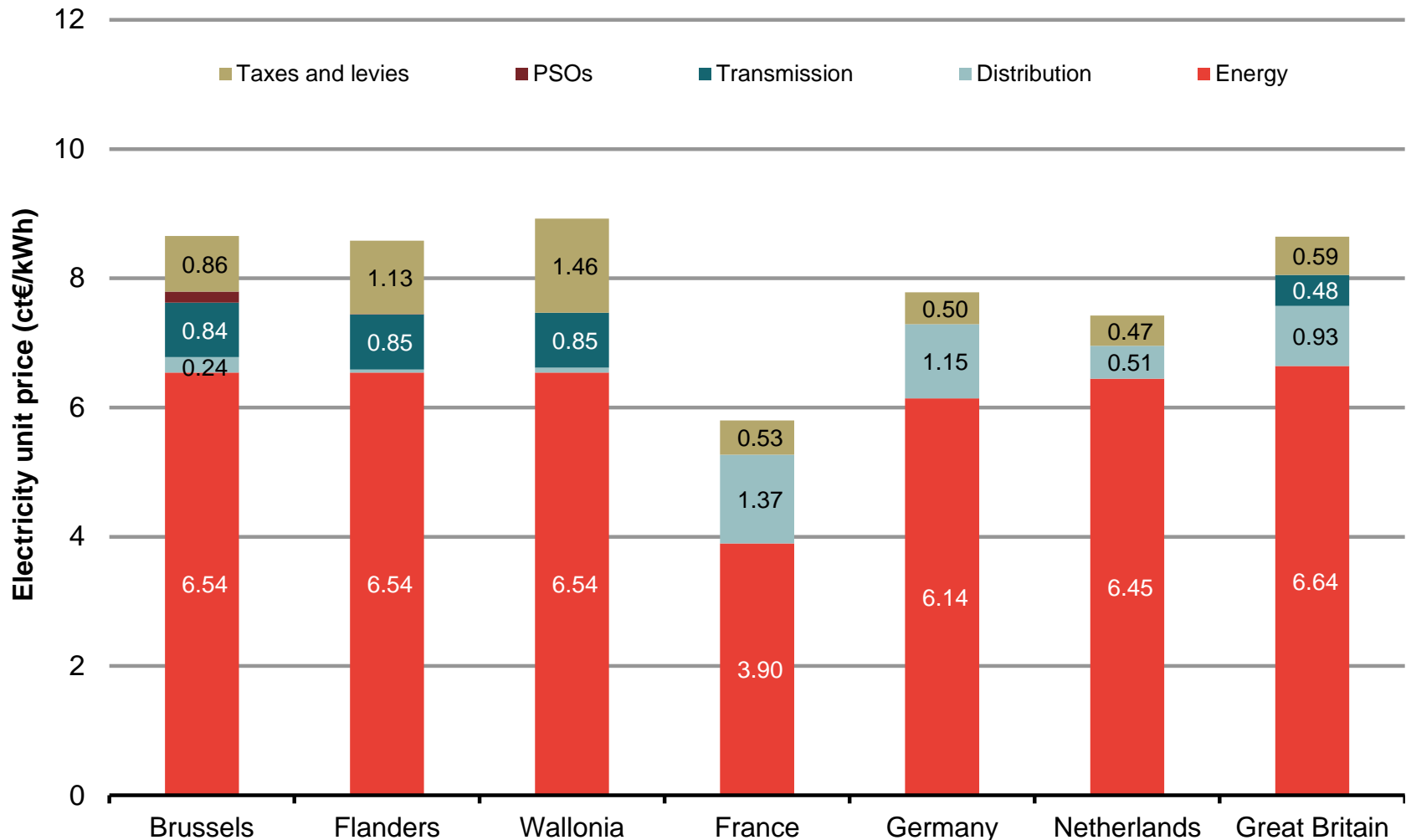


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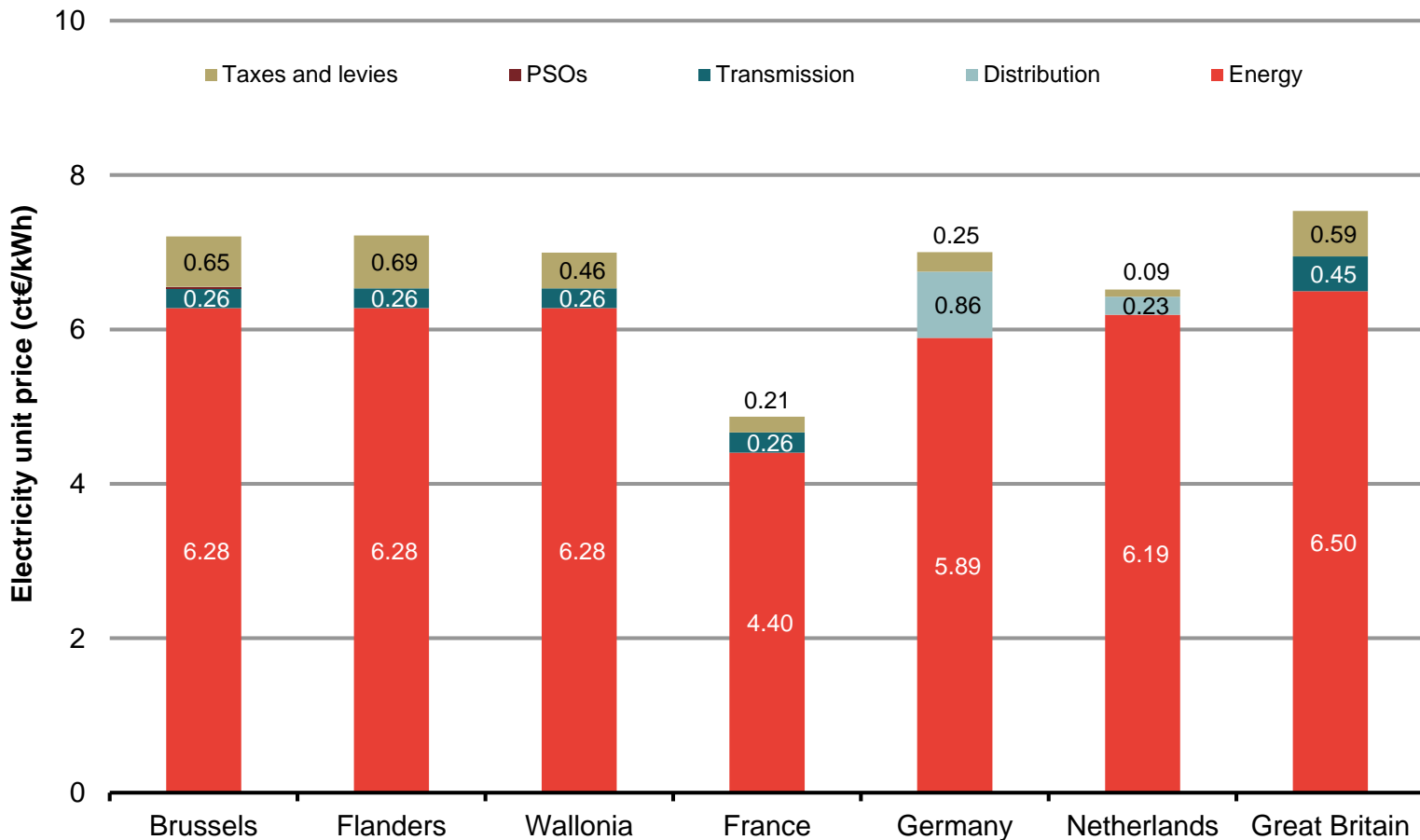
Small industry electricity – final prices and components (excl. VAT)



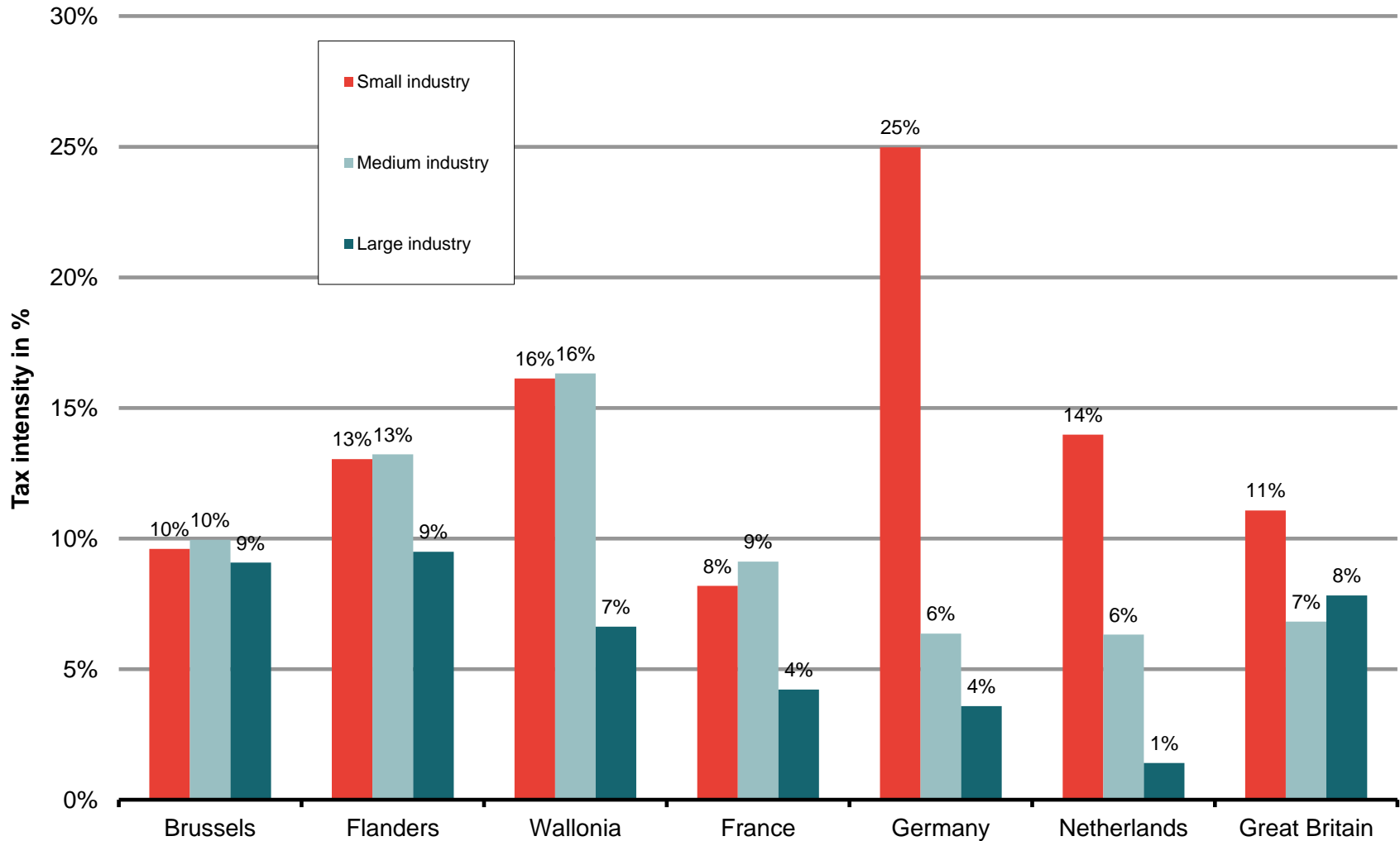
Medium industry electricity –final prices and components (excl. VAT)



Large industry electricity –final prices and components (excl. VAT)

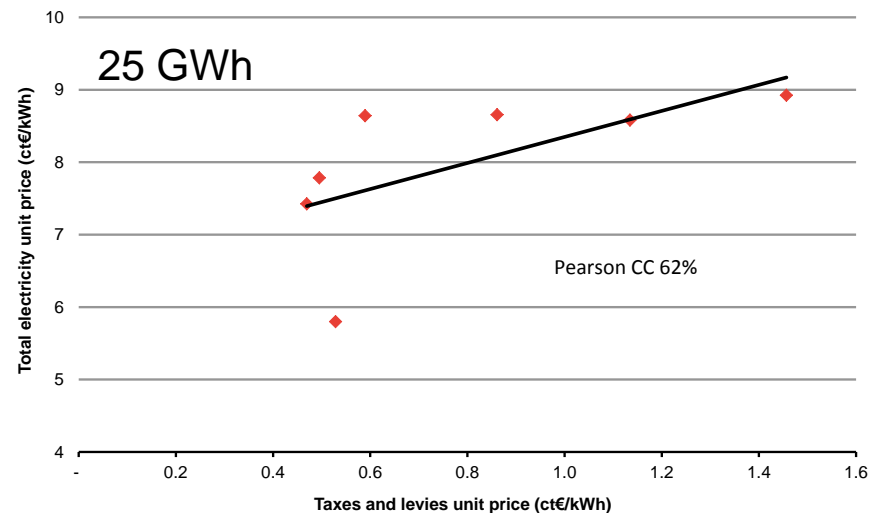
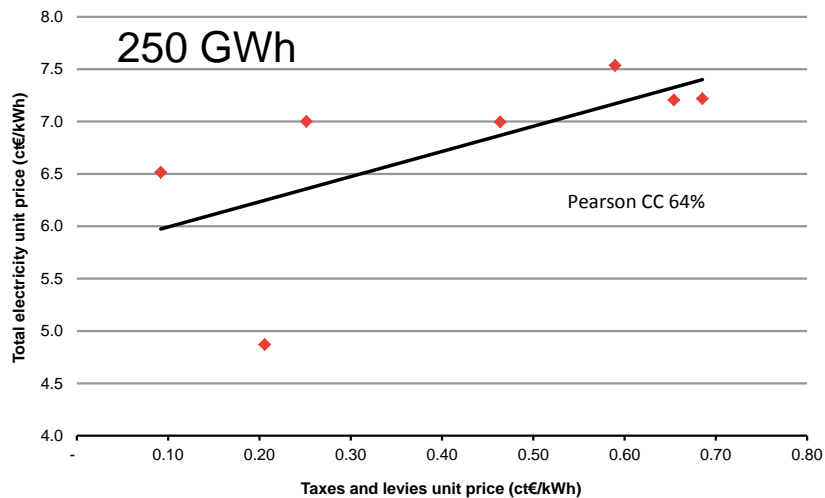
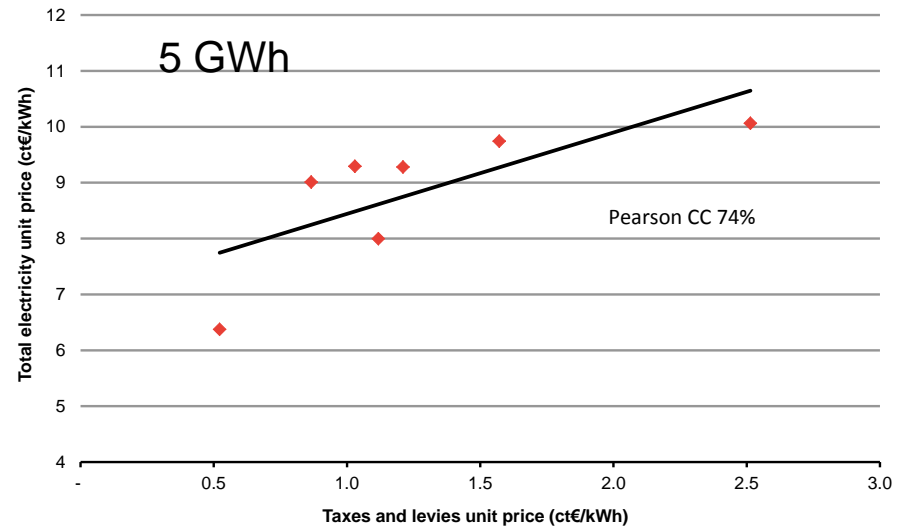


Industrial electricity – tax intensity by size

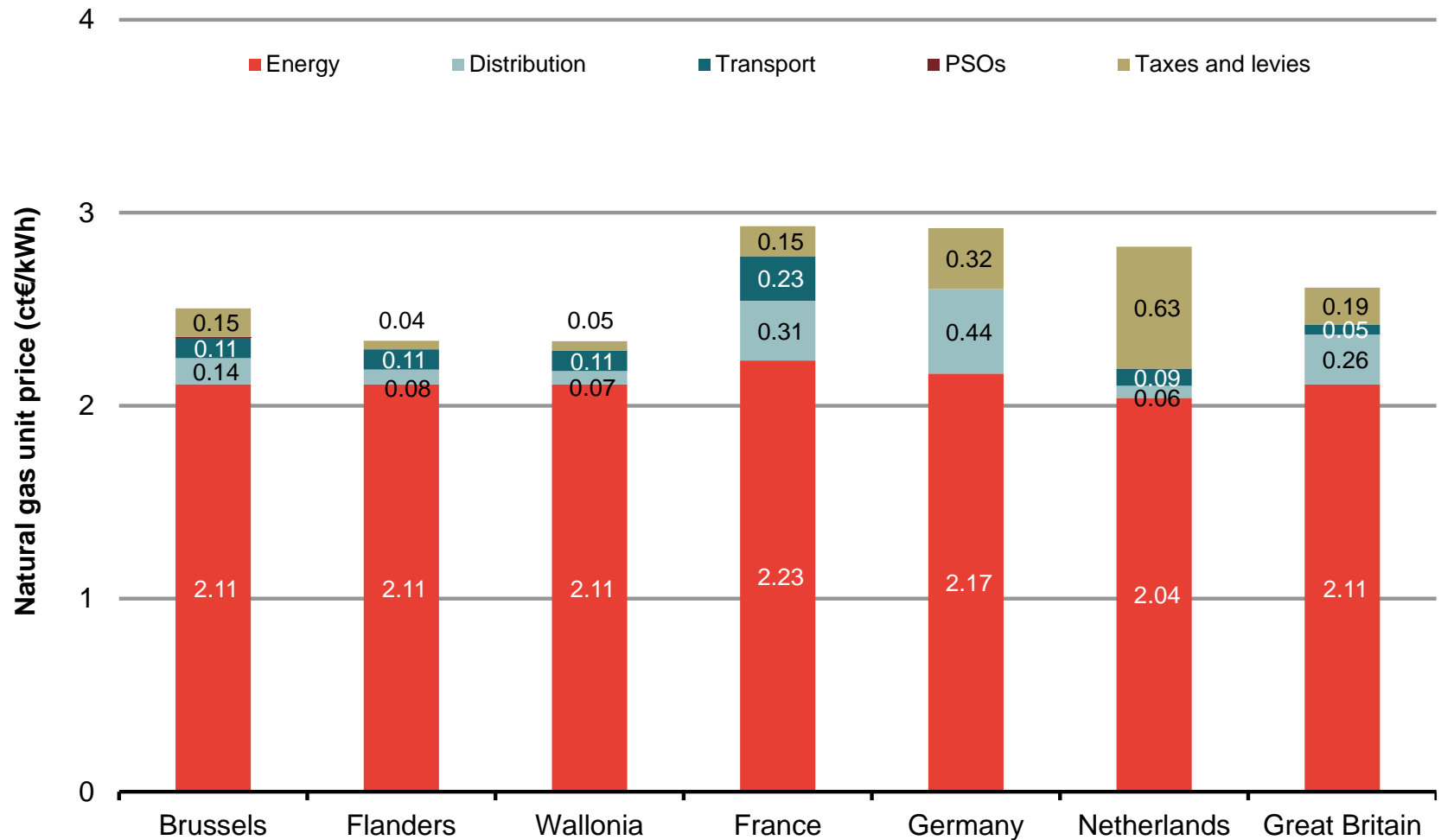


Industrial electricity – taxes vs prices

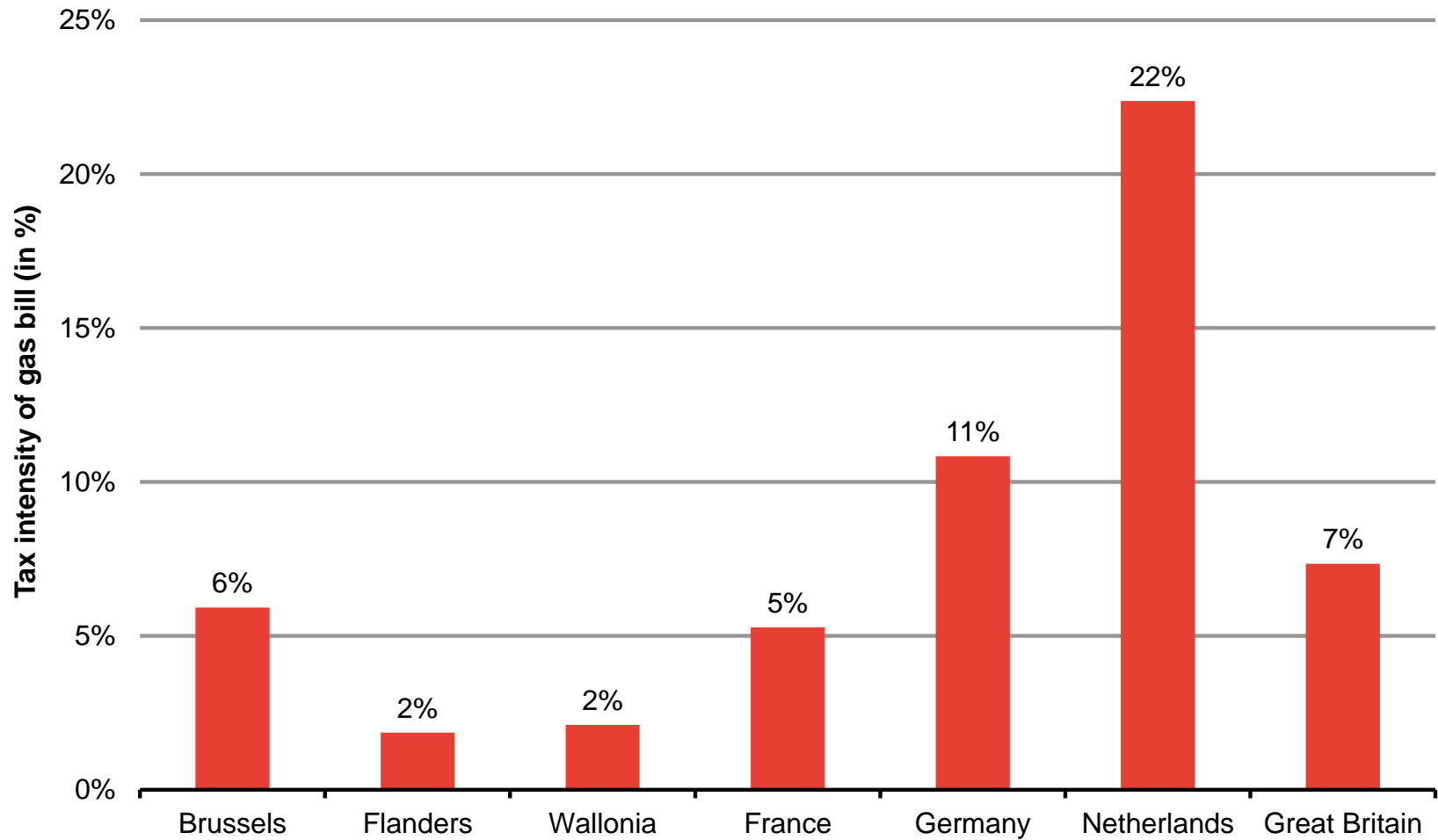
- Plots look at linear dependence between prices and taxes
- Magnitude measured by Pearson coefficient
- Note only 7 data points and taxes are part of final price



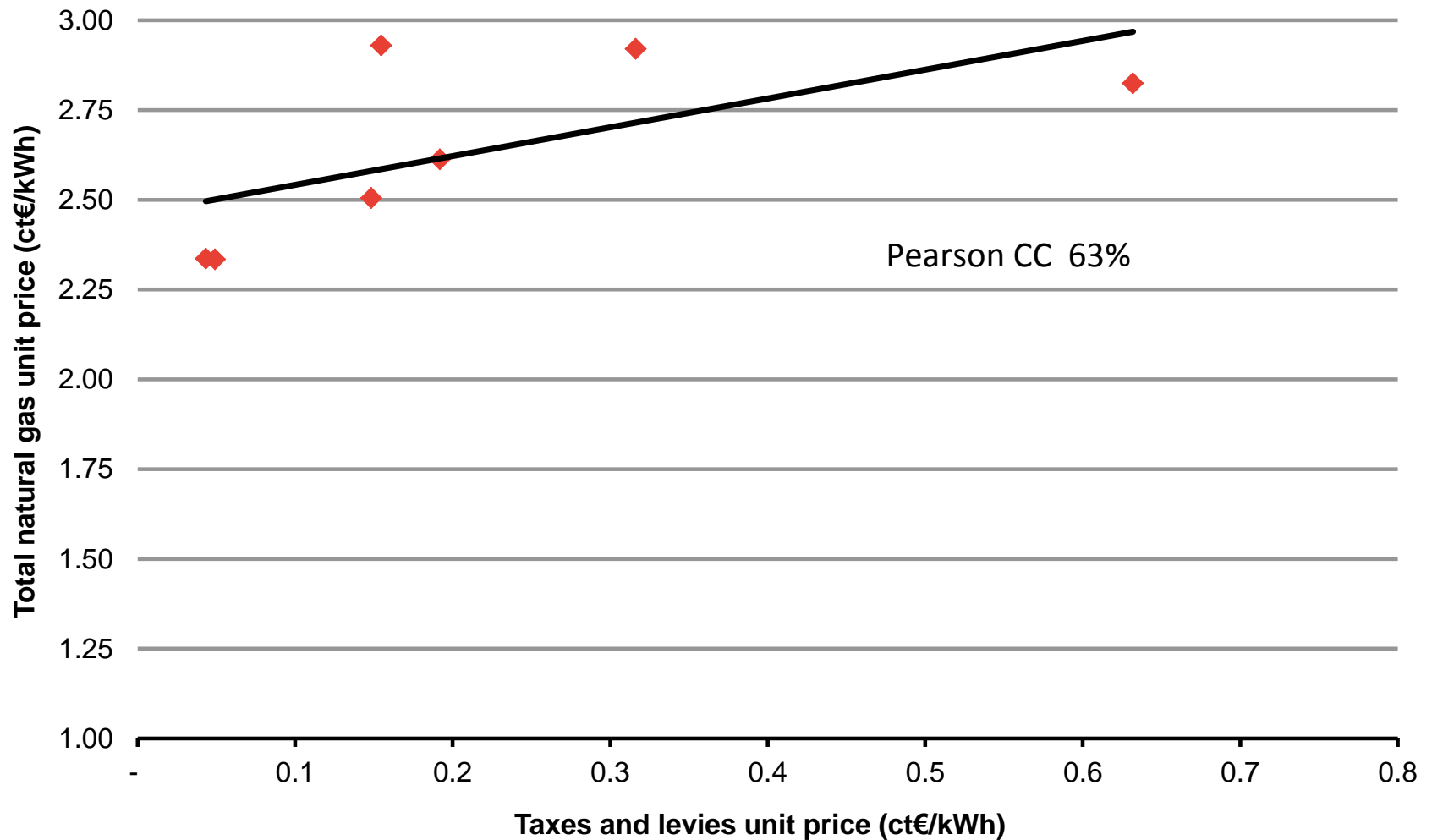
Gas for industry (excl. VAT)



Gas for industry – tax intensity

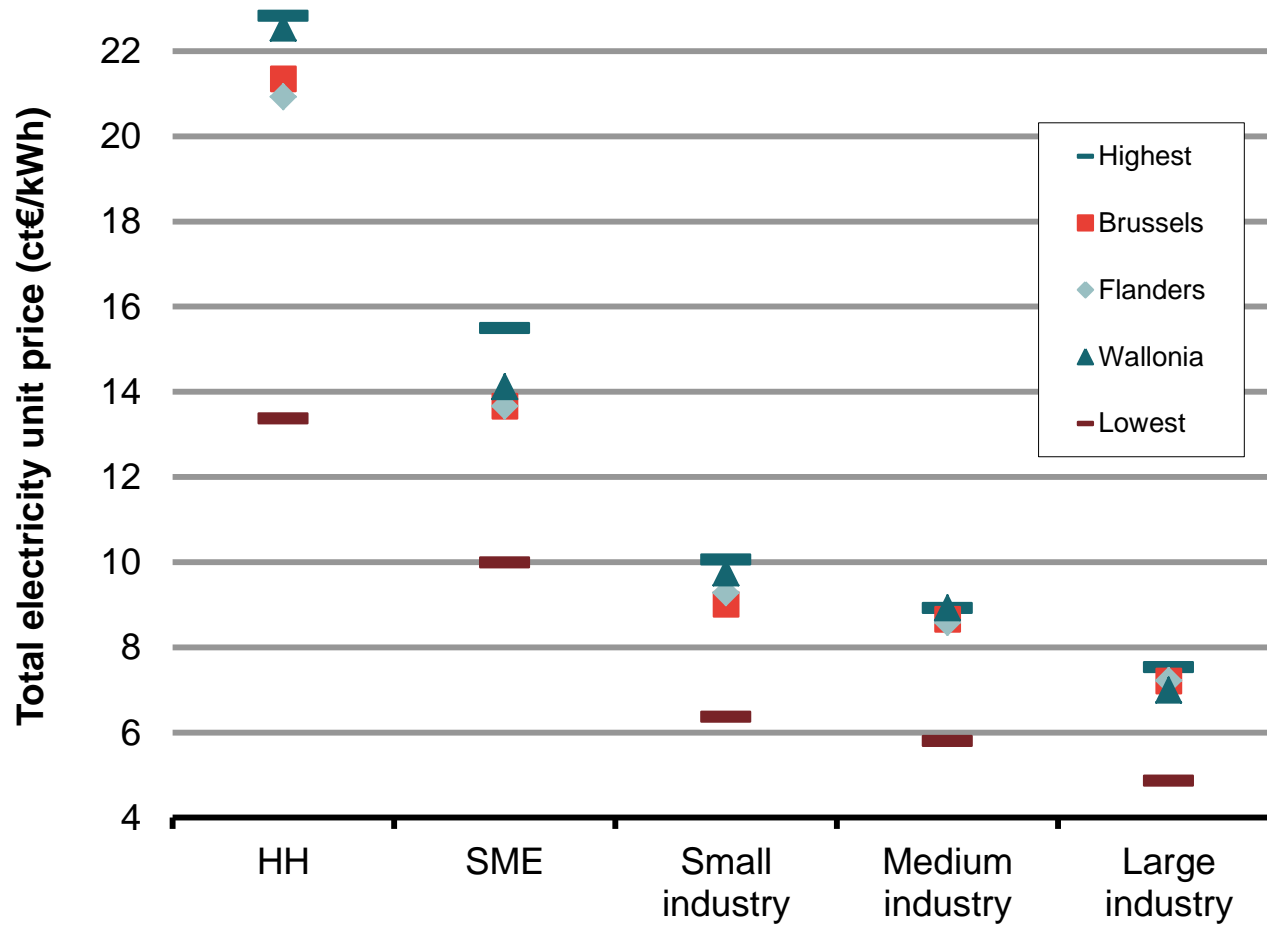


Gas for industry – taxes vs prices

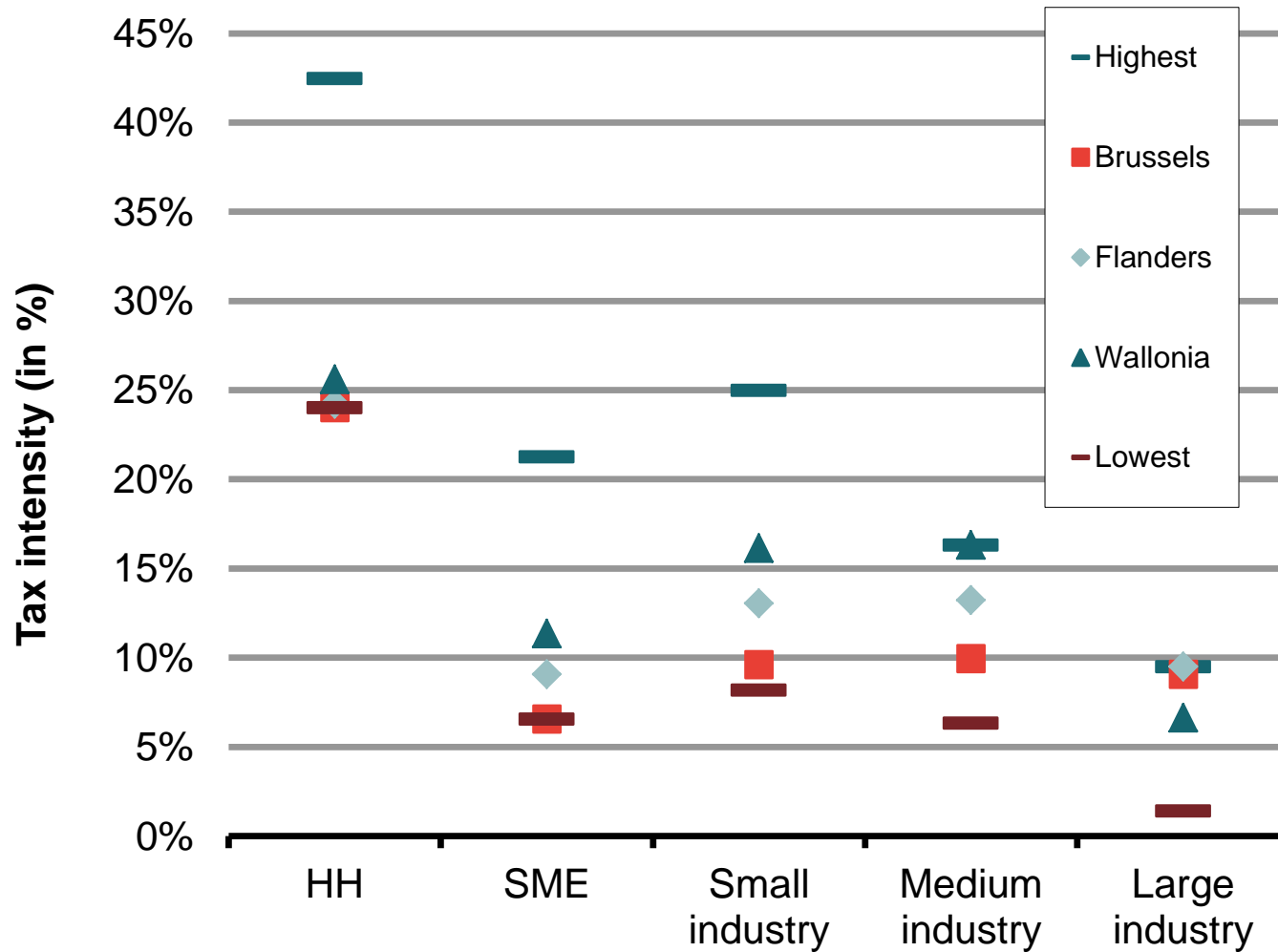


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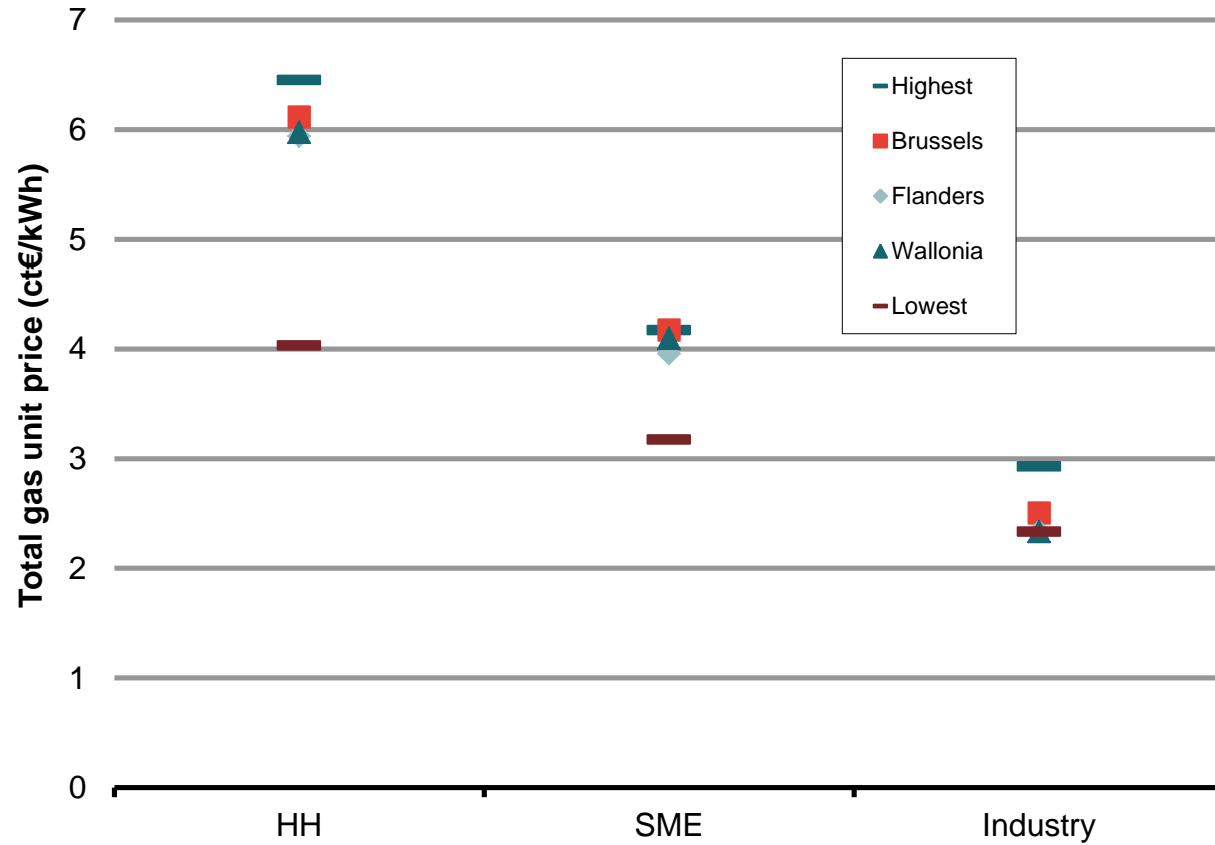
Summary of electricity prices



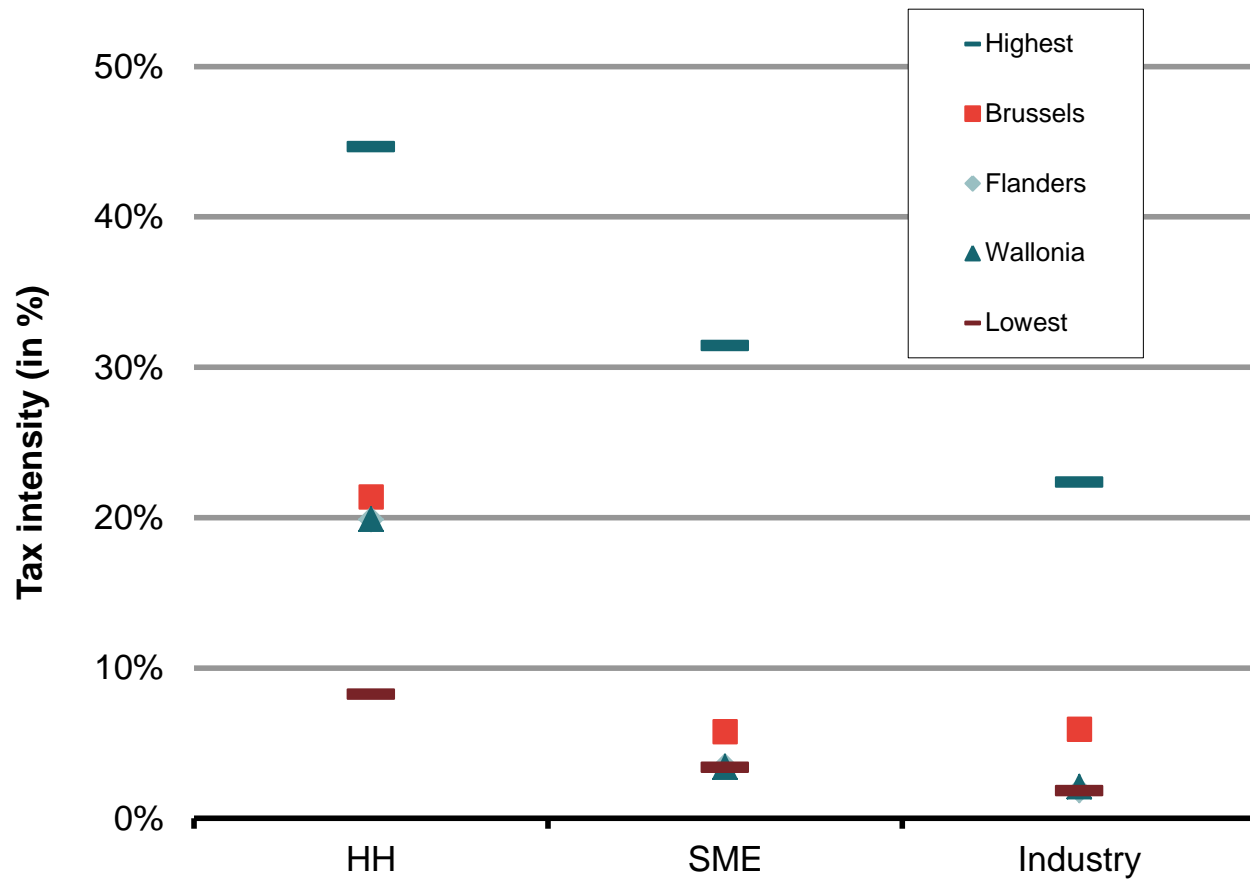
Summary of tax intensity for electricity



Summary of gas prices



Summary of tax intensity for gas





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