

# Car Cost Index 2025

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SOCIÉTÉ GÉNÉRALE GROUP

# Car Cost Index 2025

Welcome to the first edition of Ayvens' Car Cost Index: an analysis of the total cost of owning and operating a car (TCO) in 29 European countries, ranging from the sub-compact segment to the larger premium car segments. The Car Cost Index was previously published by LeasePlan (now Ayvens) and the methodology remains the same.

The Car Cost Index factors in the various costs involved in car ownership in each country, including depreciation, interest, repairs, maintenance, tyres, energy/fuel, tax (excluding VAT) and comprehensive insurance.

In the 2025 edition, costs are averaged over the first four years of ownership, assuming an annual mileage of 30,000 km and based on Ayvens' lease quotes from Q4 2024.

# Key findings from the 2025 Car Cost Index



Leasing battery electric cars are typically cheaper than petrol and diesel models in western and northern European countries compared to countries in southern and eastern Europe. Only in the mid-sized premium segment is BEV cost competitive in all countries.



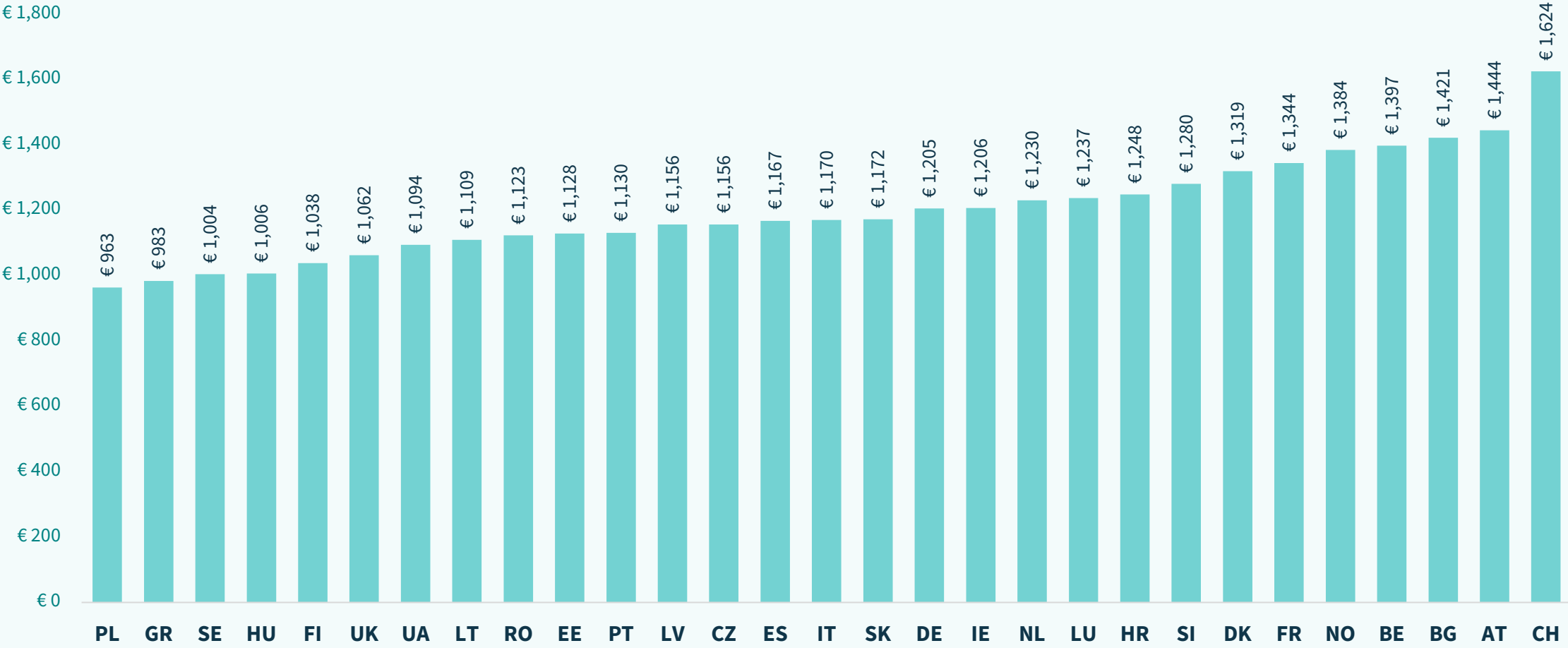
Cars are the cheapest to lease in Poland while Switzerland is one of the most expensive countries to lease a car.



The BMW i4 (battery electric vehicle) has a lower total cost of ownership (TCO) compared to the BMW series 3 (petrol) in 22 European countries out of 28.



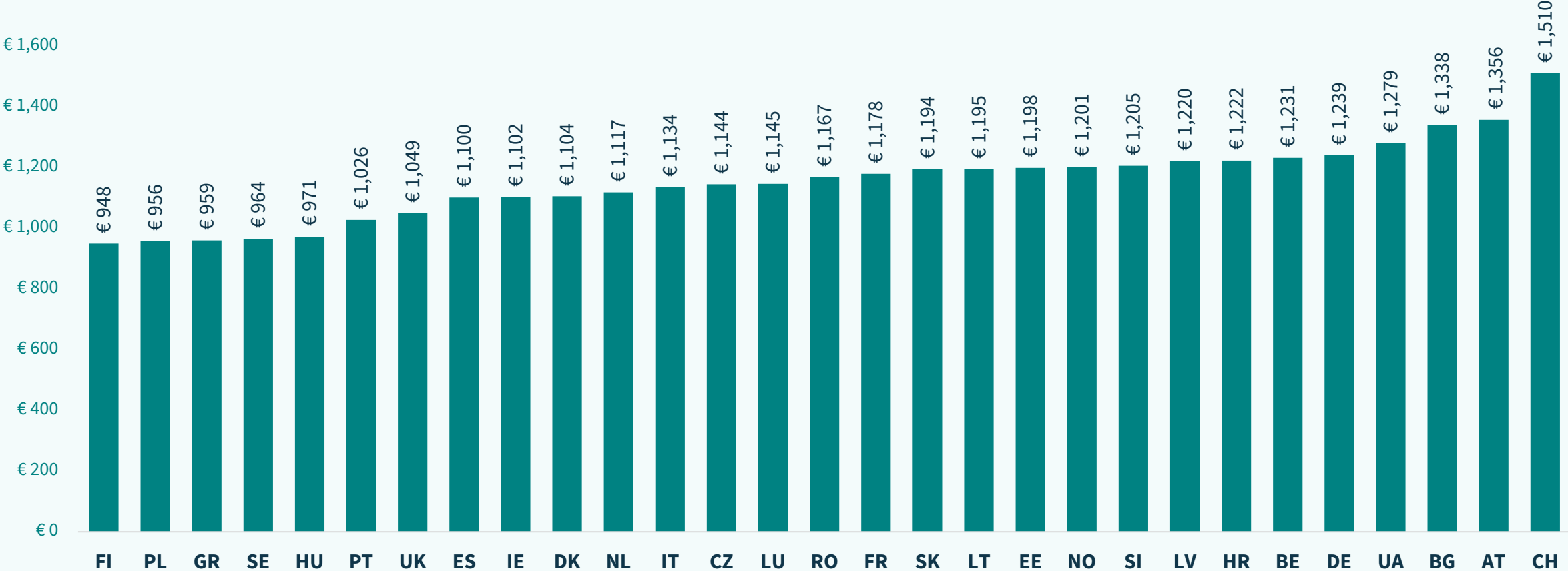
# In 2024, leasing a car\* was most expensive in Switzerland and cheapest in Poland



\*Includes petrol, diesel, PHEV, hybrid and battery electric vehicles. Passenger cars only, excludes commercial vehicles

\*\* vehicle segments included are B1, SUV-B1, C1, SUV-C1, D1, SUV-D1, D2, SUV-D2

# In 2024, driving a battery electric vehicle (BEV) was cheapest in Finland, Poland and Greece



\*Excludes electric commercial vehicles

\*\* vehicle segments included are B1, SUV-B1, C1, SUV-C1, D1, SUV-D1, D2, SUV-D2

# Battery electric is slowly but surely becoming more cost competitive in the sub-compact car segment (18/29 countries)

Sub-compact segment (B1 & SUV-B1)



## Example of models in segment

Volkswagen  
Polo



Petrol

Peugeot  
208



BEV  
Petrol

Opel  
Mokka



BEV  
Petrol

Volkswagen  
T-Cross

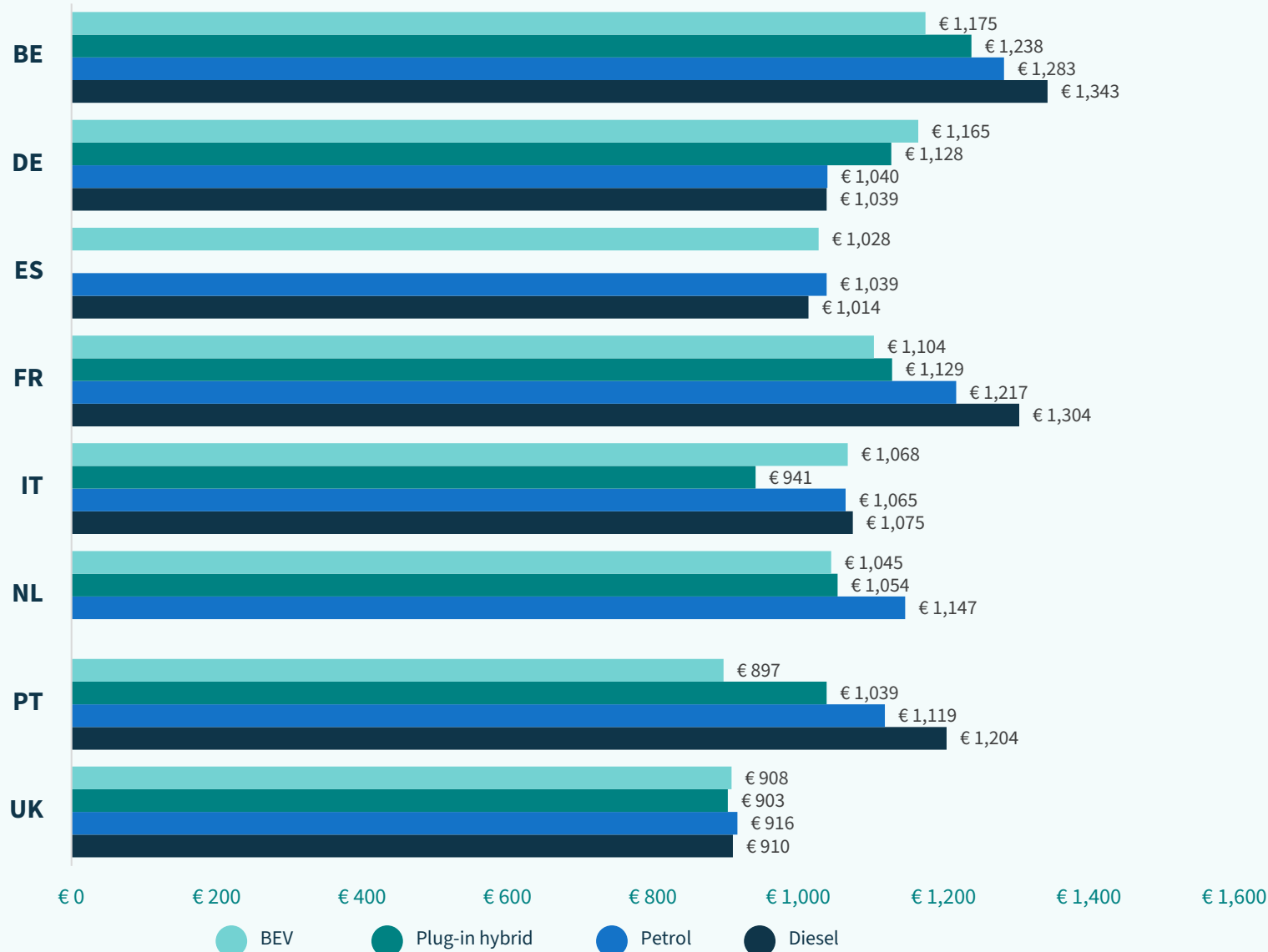


Petrol





Countries highlighted are the eight largest Ayvens countries, other countries are included in the appendix

# In the popular C-segment, electric vehicles are more affordable in western and northern European countries, with Germany being an exception (16/29)

Compact segment (C1 & SUV-C1)



## Example of models in segment

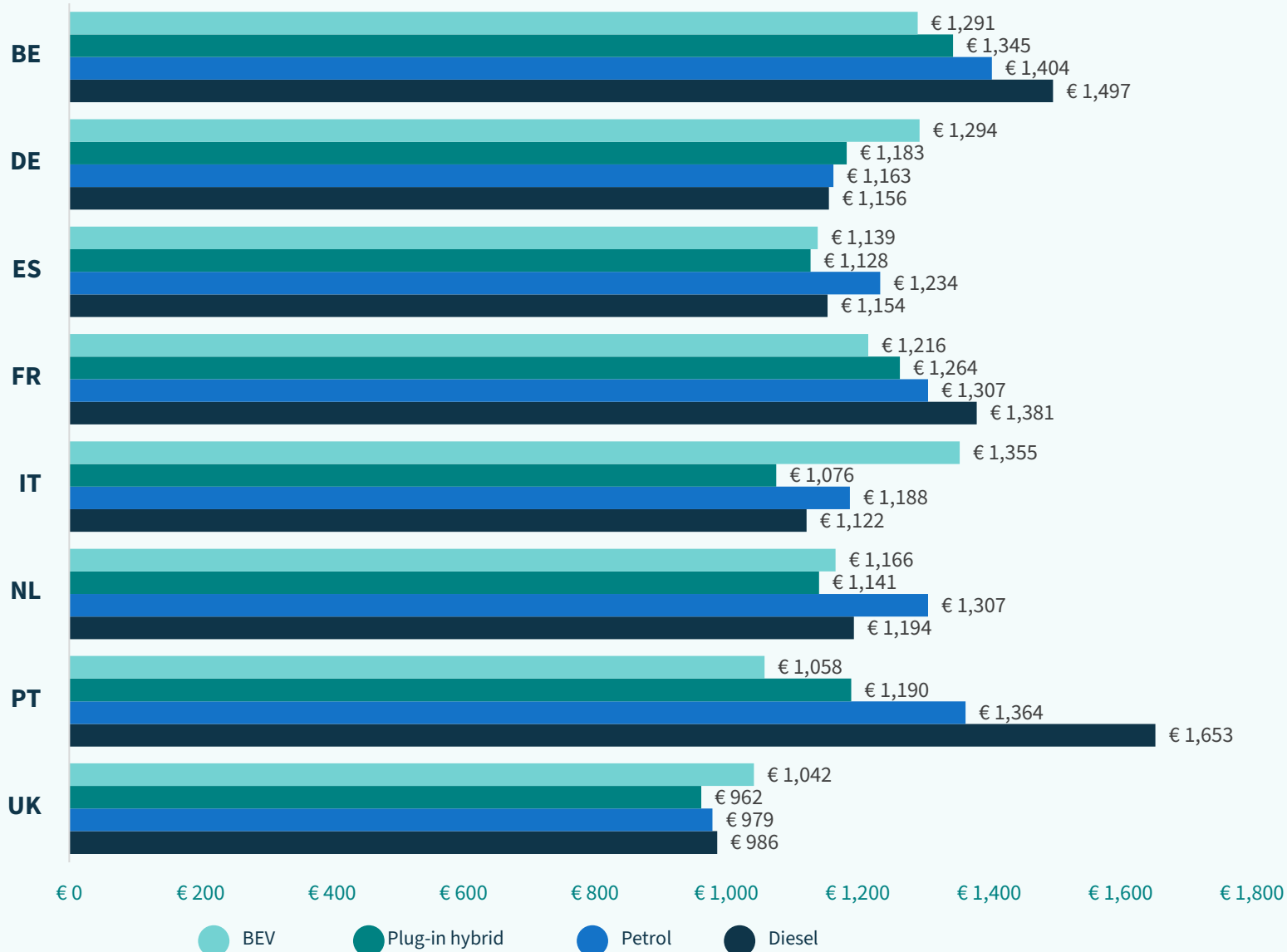
|                   |   |                               |
|-------------------|---|-------------------------------|
| Renault<br>Megane |    | ● BEV<br>● Petrol<br>○ Diesel |
| Peugeot<br>308    |    | ● BEV<br>● Petrol<br>○ Diesel |
| Ford<br>Puma      |    | ● Petrol<br>○ Diesel          |
| Kia<br>Niro       |  | ● BEV<br>● Plug-in hybrid     |

Countries highlighted are the eight largest Avvens countries, other countries are included in the appendix.

Diesel cars not applicable for Netherlands (NL) and PHEVs not applicable for Spain (ES)

# Electric cars are a bit more expensive in the mid-sized standard segment compared to other powertrains (13/29 countries)

Mid-size standard segment (D1 & SUV-D1)



## Example of models in segment

Volkswagen Passat



- Plug-in hybrid
- Petrol
- Diesel

Hyundai Ioniq 5



- BEV

Ford Kuga



- Plug-in hybrid
- Petrol
- Diesel

Skoda Enyaq



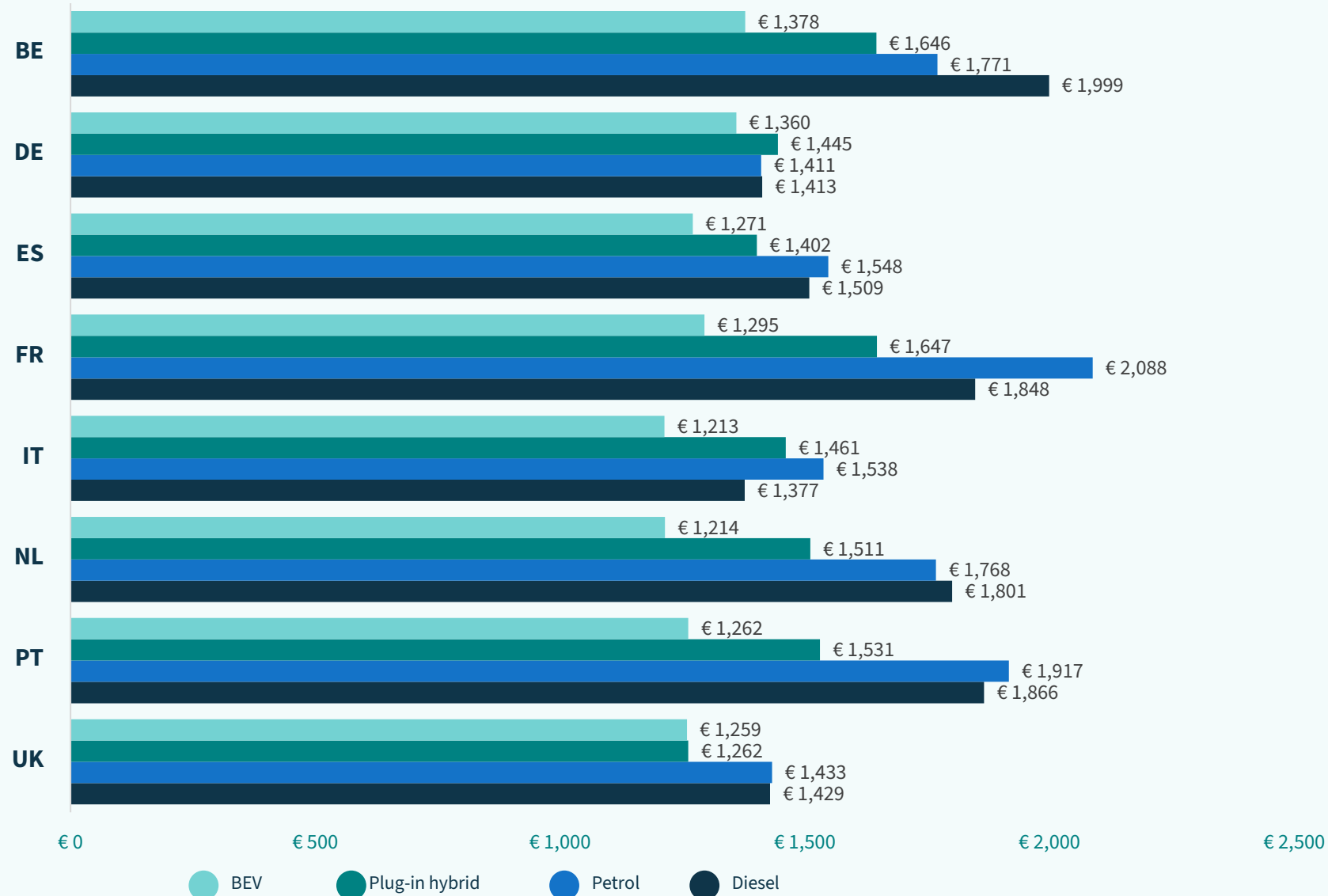
- BEV

Countries highlighted are the eight largest Ayvens countries, other countries are included in the appendix







# BEVs are cost competitive in all researched countries for the mid-sized premium segment (28/28 countries)

Mid-size premium segment (D2 & SUV-D2)



### Example of models in segment

- Polestar 2  BEV
- BMW 3 Series  Plug-in hybrid, Petrol, Diesel
- Mercedes-Benz GLC-Class  Plug-in hybrid, Petrol, Diesel
- Audi Q4 e-tron  BEV

Countries highlighted are the eight largest Ayvens countries, other countries are included in the appendix

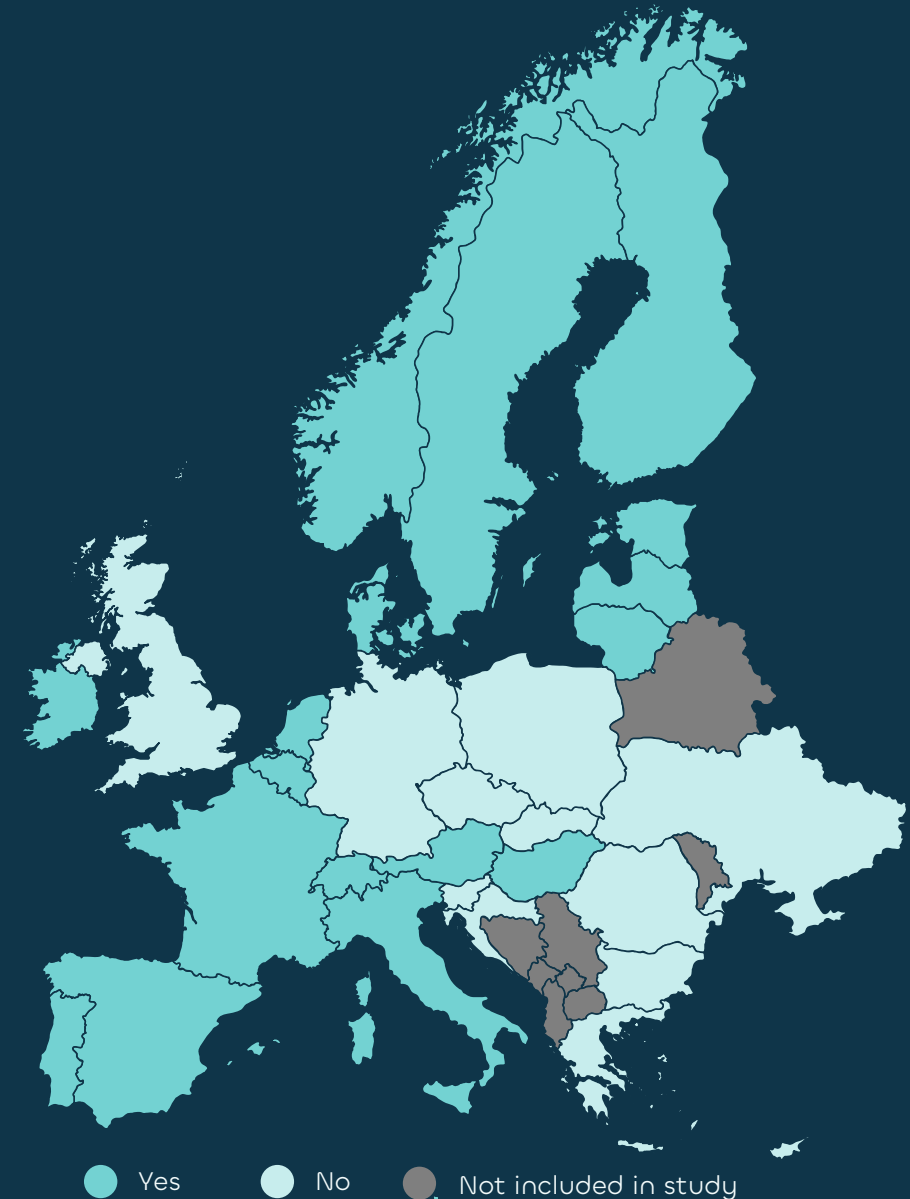
# Electric vehicles are slowly but surely becoming more cost competitive in the sub compact segment

Sub-compact (B1 & SUV-B1)



**BEVs cost competitive: 18/29 countries**

*A BEV is defined as 'cost competitive' when its TCO is within a 5% margin of the TCO of an ICE vehicle.*



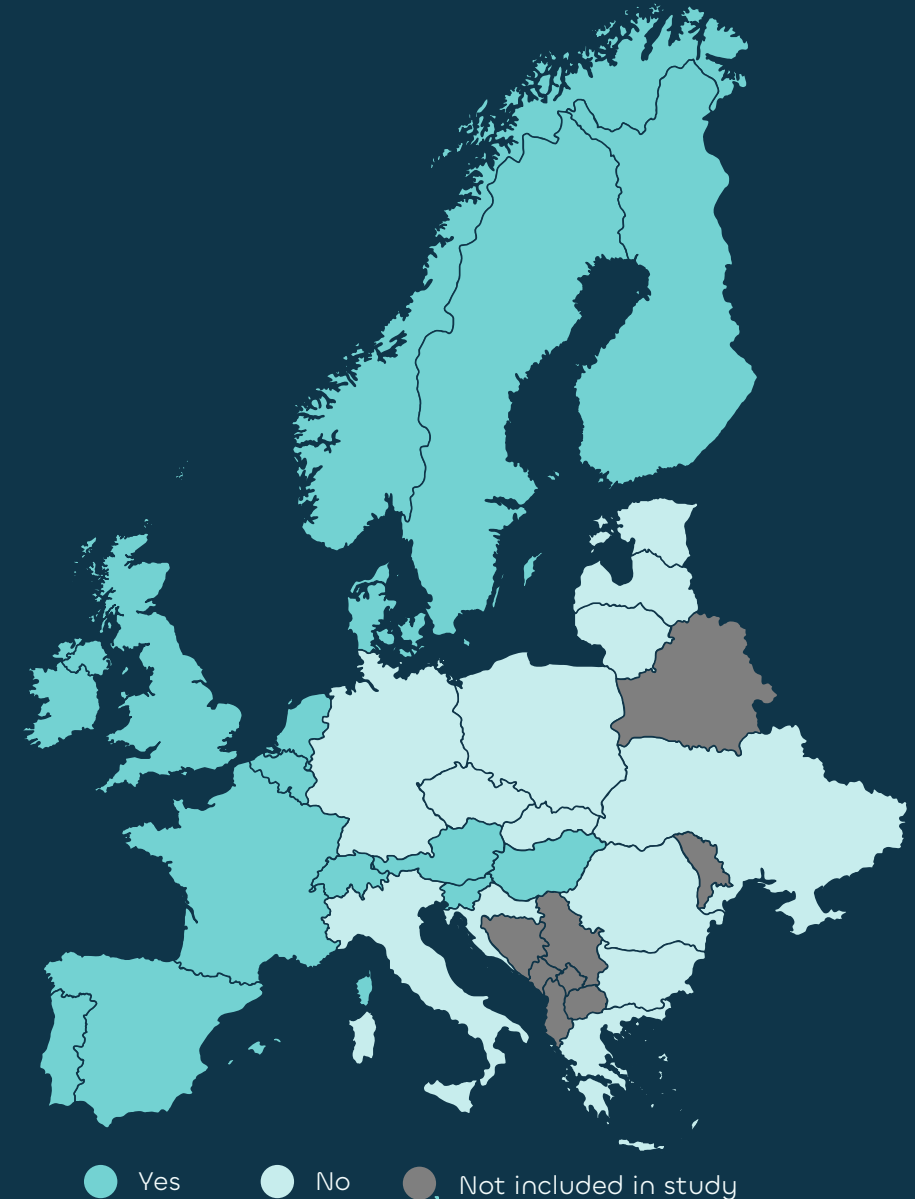
# In the popular compact segment, electric cars are more affordable in most Western and Northern European countries

Compact (C1 & SUV-C1)



BEVs cost competitive: 16/29 countries

*A BEV is defined as 'cost competitive' when its TCO is within a 5% margin of the TCO of an ICE vehicle.*



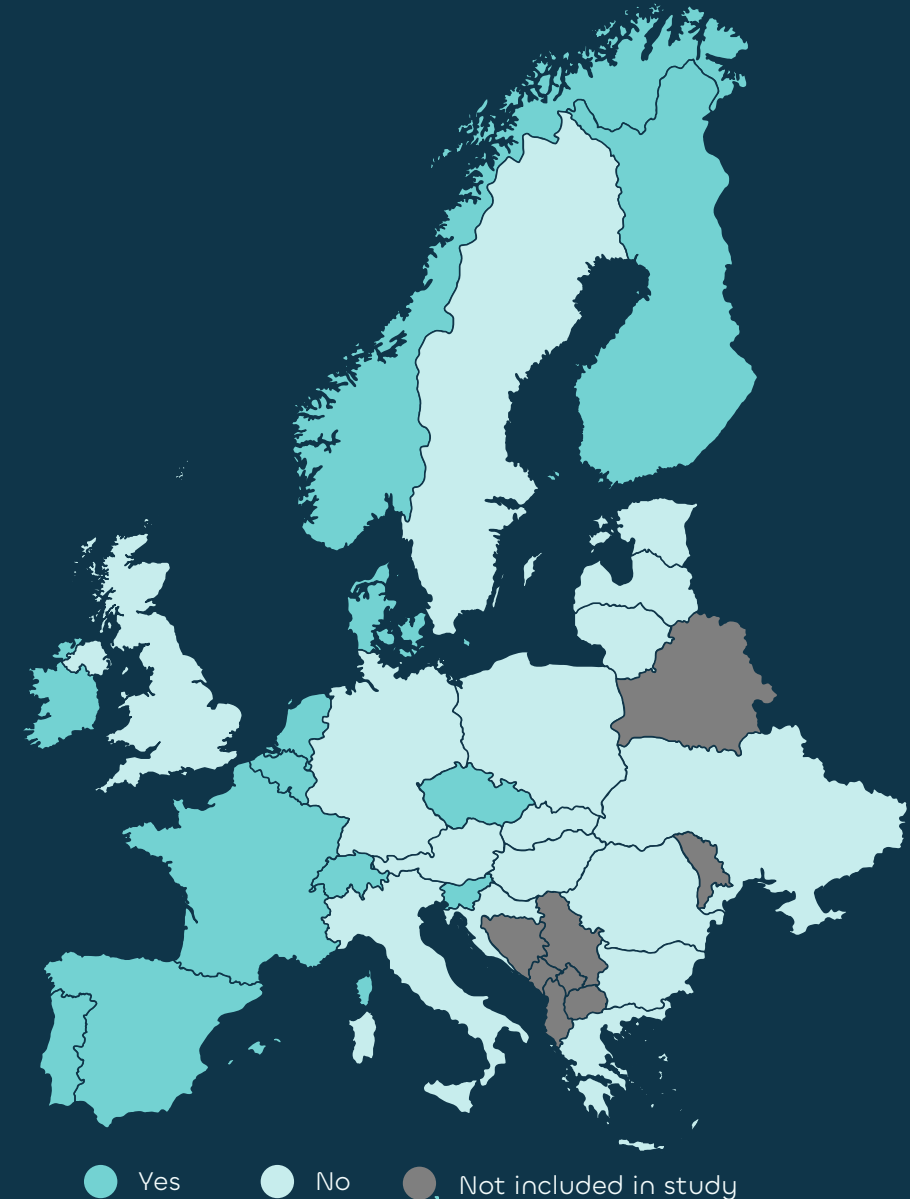
# Electric vehicles are the least affordable in the mid-size standard segment compared to other car segments

Mid-sized standard (D1 & SUV-D1)



BEVs cost competitive: 13/29 countries

*A BEV is defined as 'cost competitive' when its TCO is within a 5% margin of the TCO of an ICE vehicle.*



● Yes    ● No    ● Not included in study

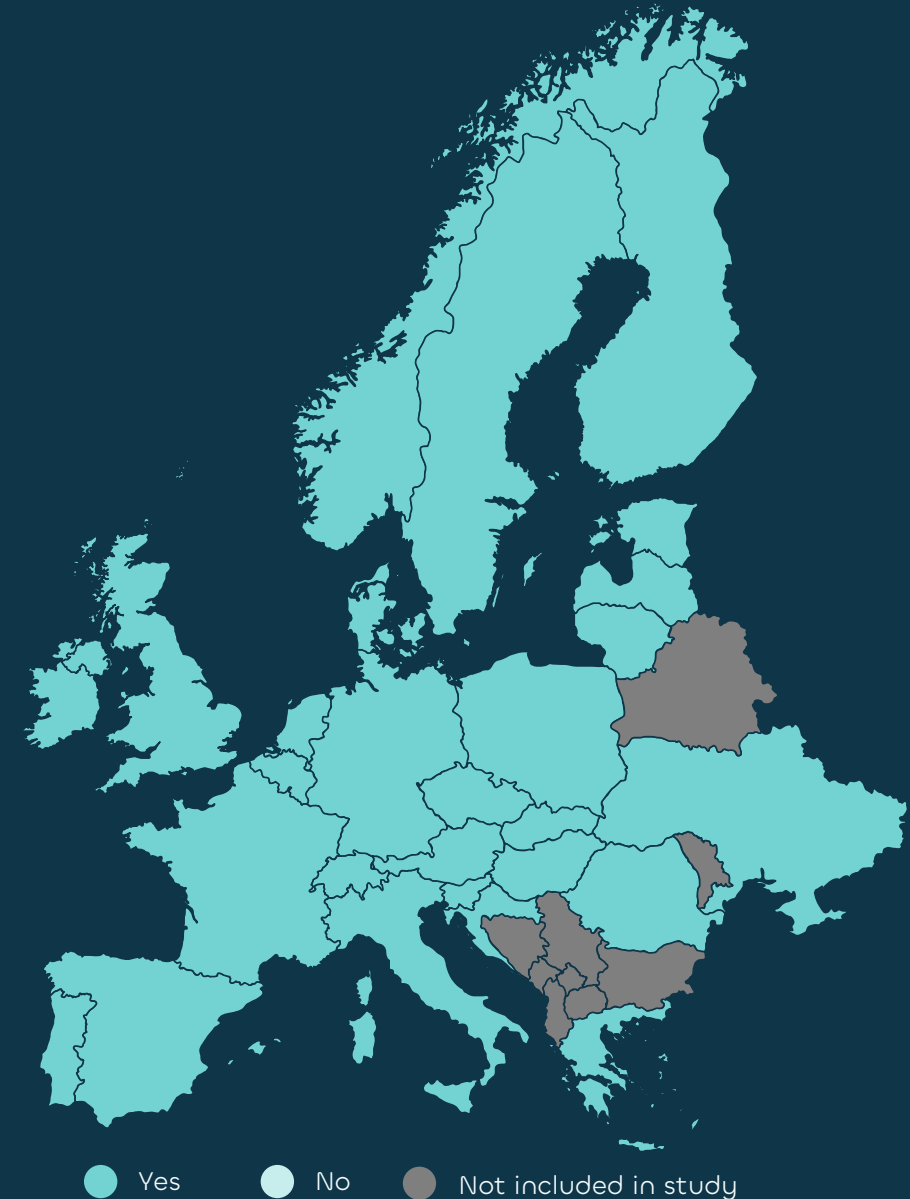
# Battery electric vehicles were cost competitive in all European countries.

Mid-sized premium (D2 & SUV-D2)



**BEVs cost competitive: 28/28 countries**

*A BEV is defined as 'cost competitive' when its TCO is within a 5% margin of the TCO of an ICE vehicle.*



\* Bulgaria excluded due to insufficient data

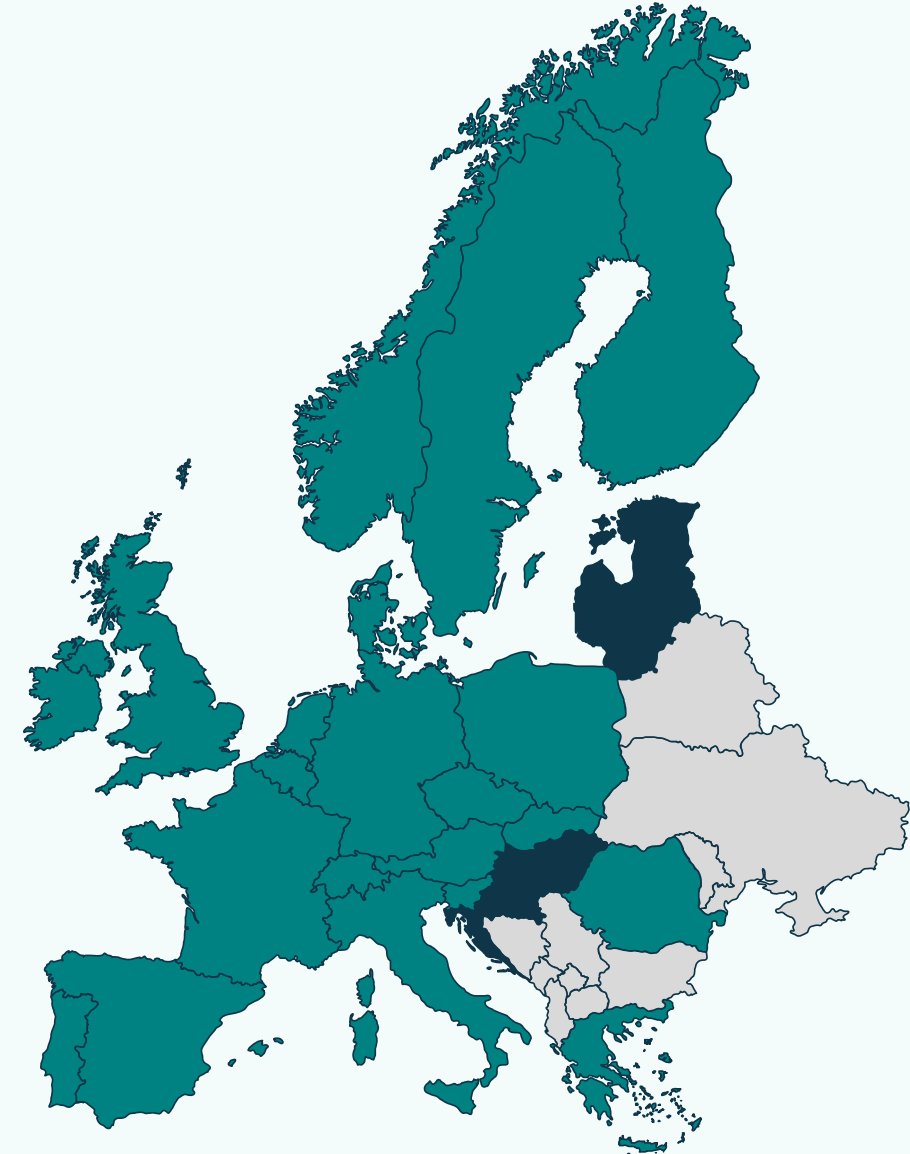
# Leasing a BMW i4 is more affordable than the BMW series 3 in most European countries (22/28)

Car model comparison (BEV vs petrol)

BMW i4 VS BMW series 3



Models chosen based on similar popularity, size, segment and specifications

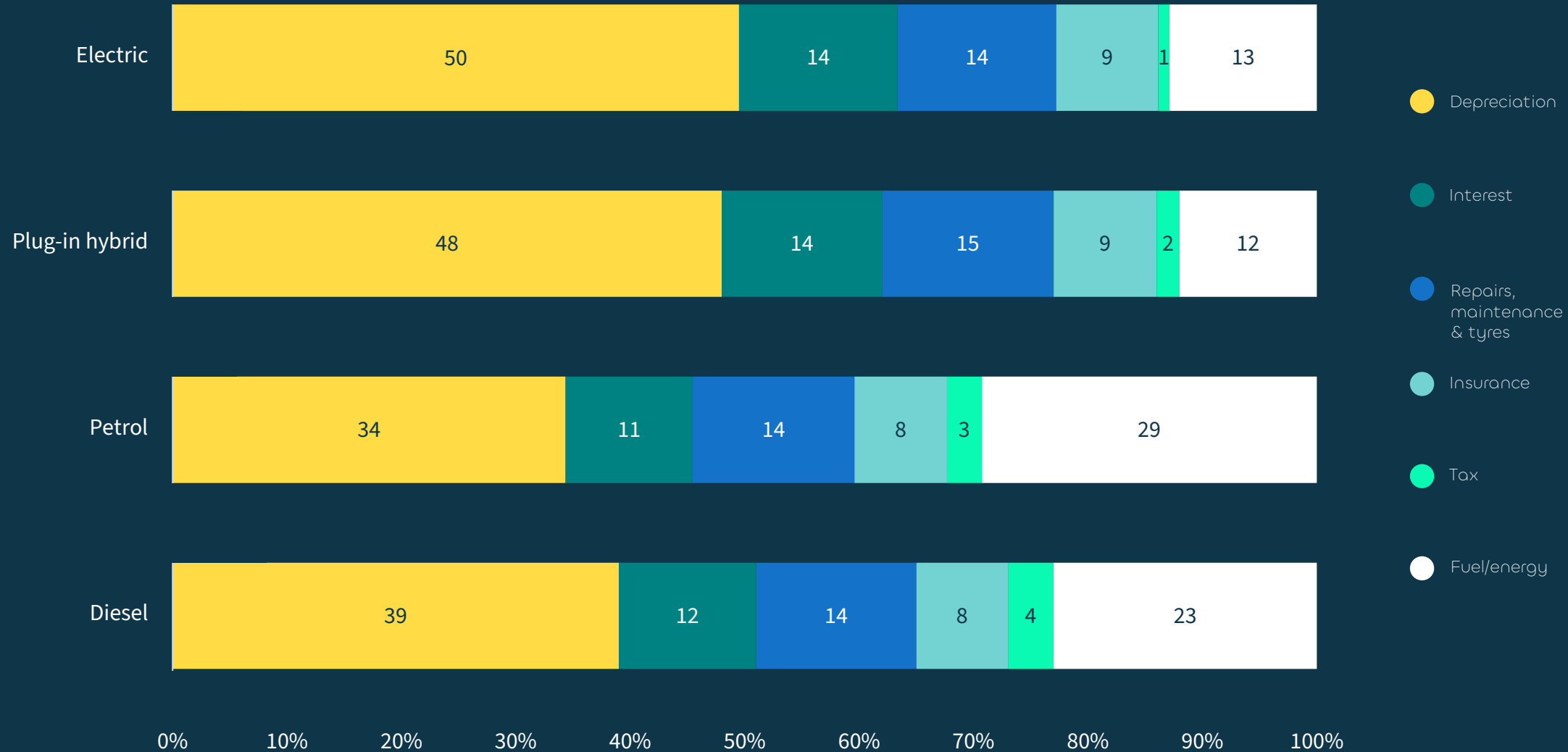


Lowest total cost of ownership

- BMW i4 (BEV)
- BMW series 3 (petrol)
- Not included in study

# Battery electric vehicles have a higher depreciation value, but much lower fuel/energy cost compared to petrol and diesel cars

Total cost of ownership breakdown across 29 countries in scope



*The calculations exclude VAT, replacement car, fuel/energy card and home charger. Fuel & energy costs are calculated based on WLTP estimates. BEV charging costs are based on 70% home charging, 20% office charging & 10% public charging*

# Appendix









# Appendix: Segmentation – 2025

The letter indicates the dimensions of the vehicle; **C** being smaller than **E**.

The number indicates the quality level of a brand; **1** being a ‘**volume brand**’ and **2** being ‘**premium brand**’

## Volume cars (1)

|                     | Hatchback / sedan / SW  | SUV  |
|---------------------|---|--|
| Subcompact cars (B) | <b>B1 – VW Polo</b><br>    | <b>SUV-B1 – Peugeot 2008</b><br> |
| Compact cars (C)    | <b>C1 – VW Golf</b><br>    | <b>SUV-C1 – VW T-Roc</b><br>     |
| Midsized cars (D)   | <b>D1 – VW Passat</b><br> | <b>SUV-D1 – VW Tiguan</b><br>   |
| Full-size cars (E)  |   |  |

## Premium cars (2)

|  | Hatchback / sedan / SW  | SUV   |
|--|---|---|
|  | <b>B2 – Mini Cooper</b><br>    | Not common  |
|  | <b>C2 – BMW 1 Series</b><br>   | <b>SUV-C2 – BMW X1</b><br>   |
|  | <b>D2 – BMW 3 Series</b><br>  | <b>SUV-D2 – BMW X3</b><br>  |
|  | <b>E2 – BMW 5 Series</b><br> | <b>SUV-E2 – BMW X5</b><br> |

\*When models were not available in a market, we included an alternative model from the same segment and powertrain.



# Car models used in the 2025 Car Cost Index by segment

Segment

Internal combustion engine vehicles (ICE)

Battery electric vehicles (BEV)

**B1**

Volkswagen Polo

Toyota Yaris

Peugeot 208

Peugeot e-208

Opel e-Corsa

**C1**

Volkswagen Golf

Toyota Corolla

Peugeot 308

Peugeot e-308

Volkswagen ID3

Renault Megane e-Tech

**D1-D2**

Volkswagen Passat

Skoda Octavia

BMW Series 3

BMW i4

Tesla Model 3

BYD Seal

**SUV B1**

Peugeot 2008

Opel Mokka

Ford Puma

Peugeot e-2008

Opel e-Mokka

BYD Dolphin

**SUV C1**

Volkswagen T-Cross

Peugeot 3008

Opel Grandland

Peugeot e-3008

Kia Niro

Hyundai Kona

**SUV D1**

Volkswagen Tiguan

Toyota RAV4

Ford Kuga

Volkswagen ID4

Kia EV6

Hyundai Ioniq 5

**SUV D2**

Volvo XC60

Mercedes-Benz GLC

BMW X3

Tesla Model Y

Ford Mach-e

BMW iX3

# Average monthly costs (TCO) in the sub-compact (B1 & SUV B1) segment

AT BE BG CH CZ DE DK EE ES FI FR GR HR HU IE IT LT LU LV NL NO PL PT RO SE SI SK UA UK

Electric €1,106 €1,033 €1,160 €1,299 €986 €1,046 €946 €769 €905 €805 €1,059 €831 €1,012 €808 €964 €905 €769 €953 €800 €1,004 €1,045 €941 €713 €994 €819 €1,055 €997 €942 €892

Petrol €1,190 €1,289 €844 €1,454 €833 €939 €1,169 €763 €883 €919 €1,066 €715 €931 €789 €1,005 €937 €734 €994 €788 €1,010 €1,436 €788 €836 €793 €842 €1,006 €893 €741 €843

## Average monthly costs (TCO) in the compact (C1 & SUV-C1) segment

|          | AT      | BE      | BG      | CH      | CZ      | DE      | DK      | EE      | ES      | FI      | FR      | GR    | HR      | HU    | IE      | IT      | LT      | LU      | LV      | NL      | NO      | PL    | PT      | RO      | SE      | SI      | SK      | UA      | UK    |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|---------|-------|---------|---------|---------|---------|---------|---------|---------|-------|---------|---------|---------|---------|---------|---------|-------|
| Diesel   | € 1,360 | € 1,343 | € 1,140 | € 1,528 | € 992   | € 1,039 | € 1,343 | € 957   | € 1,014 | € 1,134 | € 1,304 | € 718 | € 1,013 | € 933 | € 1,050 | € 1,075 | € 941   | € 1,163 | € 977   | NA      | NA      | € 900 | € 1,204 | € 907   | € 1,013 | € 1,090 | € 960   | € 836   | € 910 |
| Electric | € 1,295 | € 1,175 | € 1,286 | € 1,401 | € 1,067 | € 1,165 | € 1,062 | € 1,068 | € 1,028 | € 896   | € 1,104 | € 892 | € 1,145 | € 895 | € 1,001 | € 1,068 | € 1,063 | € 1,066 | € 1,085 | € 1,045 | € 1,156 | € 944 | € 897   | € 1,079 | € 871   | € 1,131 | € 1,102 | € 1,139 | € 908 |
| Petrol   | € 1,316 | € 1,283 | € 1,049 | € 1,575 | € 944   | € 1,040 | € 1,261 | € 949   | € 1,039 | € 1,002 | € 1,217 | € 866 | € 1,067 | € 909 | € 1,128 | € 1,065 | € 917   | € 1,175 | € 945   | € 1,147 | € 1,468 | € 876 | € 119   | € 863   | € 879   | € 1,128 | € 963   | € 903   | € 916 |
| PHEV     | € 1,426 | € 1,238 | NA      | € 1,586 | € 1,056 | € 1,128 | € 1,204 | € 1,005 | NA      | € 892   | € 1,129 | € 913 | € 1,094 | € 858 | € 1,040 | € 941   | € 995   | € 1,466 | € 1,117 | € 1,054 | NA      | € 862 | € 1,039 | € 1,019 | € 910   | € 1,357 | € 1,083 | NA      | € 903 |

## Average monthly costs (TCO) in the **mid-sized** (D1 & SUV-D1) segment

|          | AT      | BE      | BG      | CH      | CZ      | DE      | DK      | EE      | ES      | FI      | FR      | GR    | HR      | HU      | IE      | IT      | LT      | LU      | LV      | NL      | NO      | PL    | PT      | RO      | SE      | SI      | SK      | UA      | UK      |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|---------|---------|---------|---------|---------|---------|---------|
| Diesel   | € 1,357 | € 1,497 | € 1,297 | € 1,642 | € 1,079 | € 1,156 | € 1,534 | € 1,173 | € 1,154 | € 1,165 | € 1,381 | € 868 | € 1,179 | € 958   | € 1,161 | € 1,122 | € 1,156 | € 1,241 | € 1,207 | € 1,194 | € 1,689 | € 985 | € 1,653 | € 1,062 | € 1,066 | € 1,219 | € 1,118 | € 1,003 | € 986   |
| Electric | € 1,468 | € 1,291 | € 1,492 | € 1,608 | € 1,120 | € 1,294 | € 1,110 | € 1,324 | € 1,139 | € 996   | € 1,216 | € 958 | € 1,293 | € 1,055 | € 1,119 | € 1,355 | € 1,325 | € 1,264 | € 1,347 | € 1,166 | € 1,269 | € 909 | € 1,058 | € 1,289 | € 1,023 | € 1,244 | € 1,221 | € 1,557 | € 1,042 |
| Petrol   | € 1,430 | € 1,404 | € 1,418 | € 1,730 | € 1,074 | € 1,163 | € 1,440 | € 1,124 | € 1,234 | € 1,107 | € 1,307 | € 958 | € 1,187 | € 987   | € 1,202 | € 1,188 | € 1,094 | € 1,235 | € 1,152 | € 1,307 | NA      | € 985 | € 1,364 | € 1,075 | € 1,003 | € 1,234 | € 1,180 | € 1,040 | € 979   |
| PHEV     | € 1,544 | € 1,345 | € 1,449 | € 1,686 | € 1,100 | € 1,183 | € 1,305 | € 1,076 | € 1,128 | € 992   | € 1,264 | € 921 | € 1,295 | € 987   | € 1,122 | € 1,076 | € 1,069 | € 1,330 | € 1,107 | € 1,141 | € 1,818 | € 862 | € 1,190 | € 1,113 | € 926   | € 1,330 | € 1,109 | € 1,176 | € 962   |

## Average monthly costs (TCO) in the **mid-sized premium** (D2 & SUV-D2) segment

|          | AT      | BE      | BG      | CH      | CZ      | DE      | DK      | EE      | ES      | FI      | FR      | GR      | HR      | HU      | IE      | IT      | LT      | LU      | LV      | NL      | NO      | PL      | PT      | RO      | SE      | SI      | SK      | UA      | UK      |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Diesel   | € 1,818 | € 1,999 | € 3,104 | € 1,834 | € 1,564 | € 1,413 | € 2,047 | € 1,358 | € 1,509 | € 1,457 | € 1,848 | € 1,257 | € 1,569 | € 1,211 | € 1,648 | € 1,377 | € 1,336 | € 1,512 | € 1,399 | € 1,801 | NA      | € 1,106 | € 1,866 | € 1,458 | € 1,258 | € 1,628 | € 1,532 | € 1,408 | € 1,429 |
| Electric | € 1,458 | € 1,378 | NA      | € 1,627 | € 1,344 | € 1,360 | € 1,172 | € 1,357 | € 1,271 | € 1,035 | € 1,295 | € 1,083 | € 1,383 | € 1,103 | € 1,272 | € 1,213 | € 1,347 | € 1,240 | € 1,380 | € 1,214 | € 1,281 | € 1,018 | € 1,226 | € 1,260 | € 1,068 | € 1,332 | € 1,407 | € 1,460 | € 1,259 |
| Petrol   | € 1,866 | € 1,771 | € 2,056 | € 1,849 | € 1,508 | € 1,411 | € 2,034 | € 1,427 | € 1,548 | € 1,382 | € 2,088 | € 1,346 | € 1,622 | € 1,252 | € 1,788 | € 1,538 | € 1,399 | € 1,442 | € 1,455 | € 1,768 | € 2,057 | € 1,134 | € 1,911 | € 1,420 | € 1,247 | € 1,692 | € 1,499 | € 1,390 | € 1,433 |
| PHEV     | € 1,711 | € 1,646 | € 2,221 | € 1,843 | € 1,547 | € 1,445 | € 1,730 | € 1,494 | € 1,402 | € 1,248 | € 1,647 | € 1,205 | € 1,698 | € 1,179 | € 1,499 | € 1,461 | € 1,487 | € 1,543 | € 1,487 | € 1,511 | € 2,061 | € 1,179 | € 1,513 | € 1,414 | € 1,139 | € 1,916 | € 1,451 | € 1,583 | € 1,262 |



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