Analysis of the passenger car market in various EU Member States

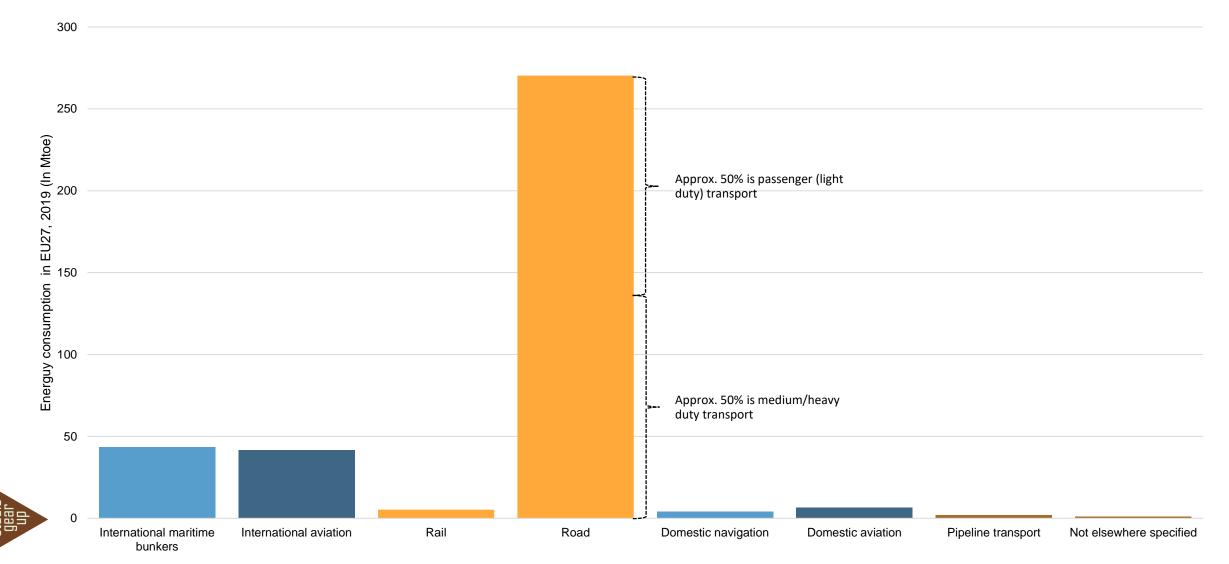
FuelsEurope workshop "Ensuring social inclusiveness" 11 June 2021



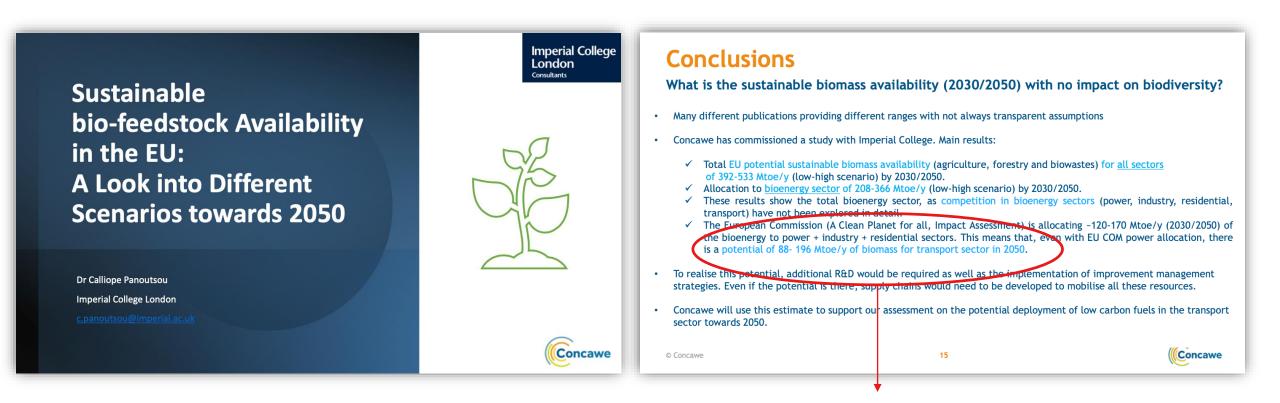
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In the total energy consumption of all transport segments the road segment has by far the largest share in Europe

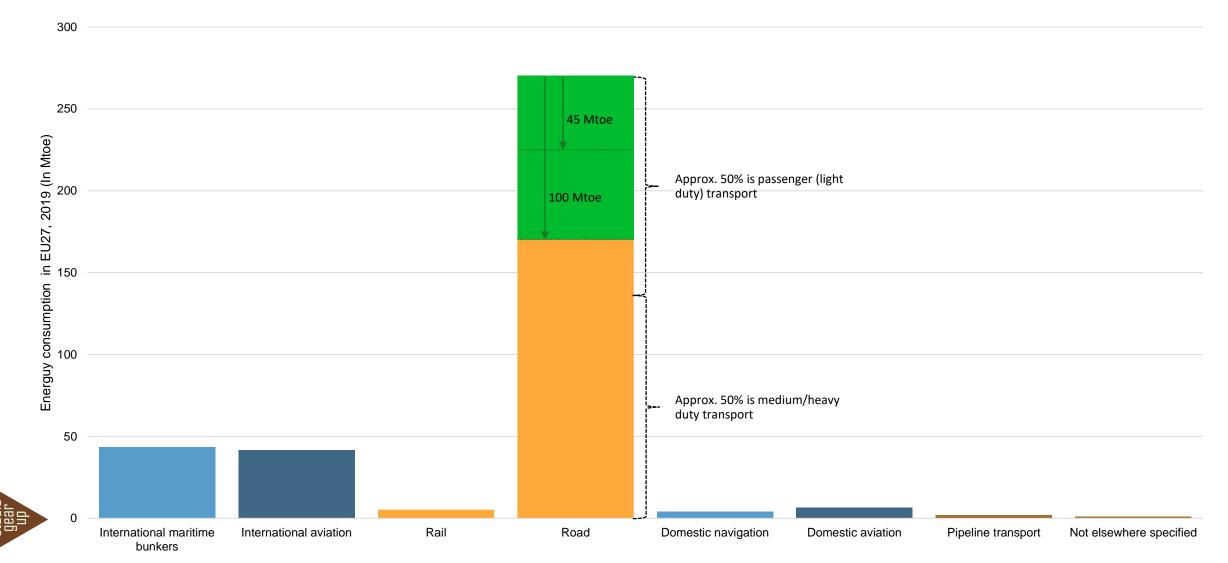


Reference to Panoutsou's presentation on 8th June on biomass availability for transport

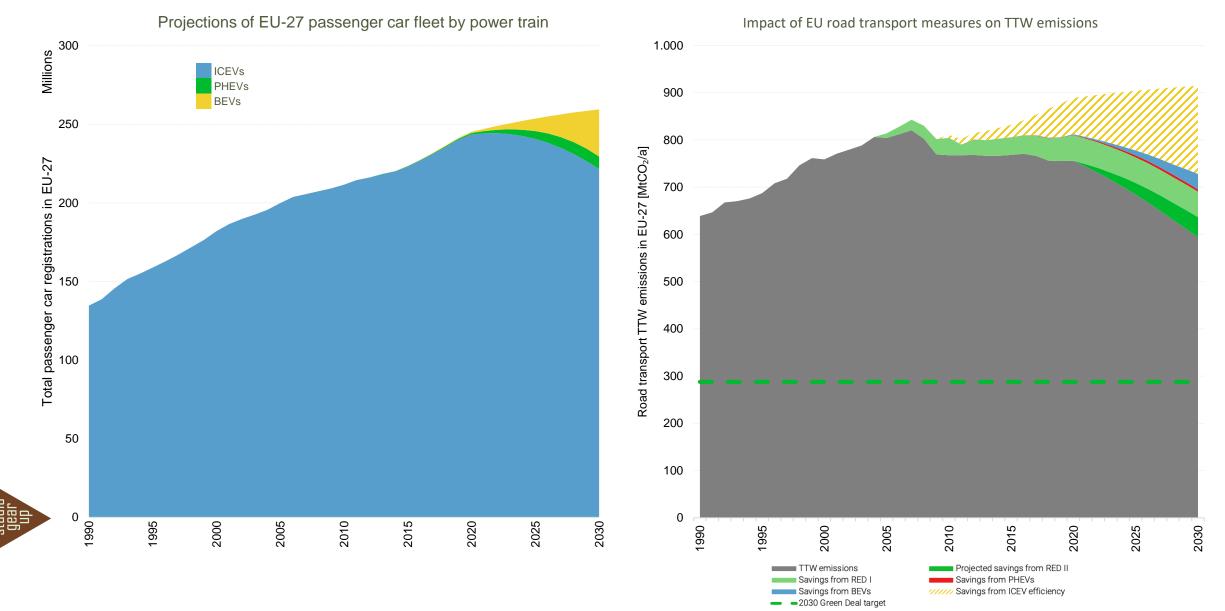


Assuming a 50% conversion factor to final biofuel, this waste and residue base represents approx. **45 – 100 Mtoe** equivalent amount of biofuels

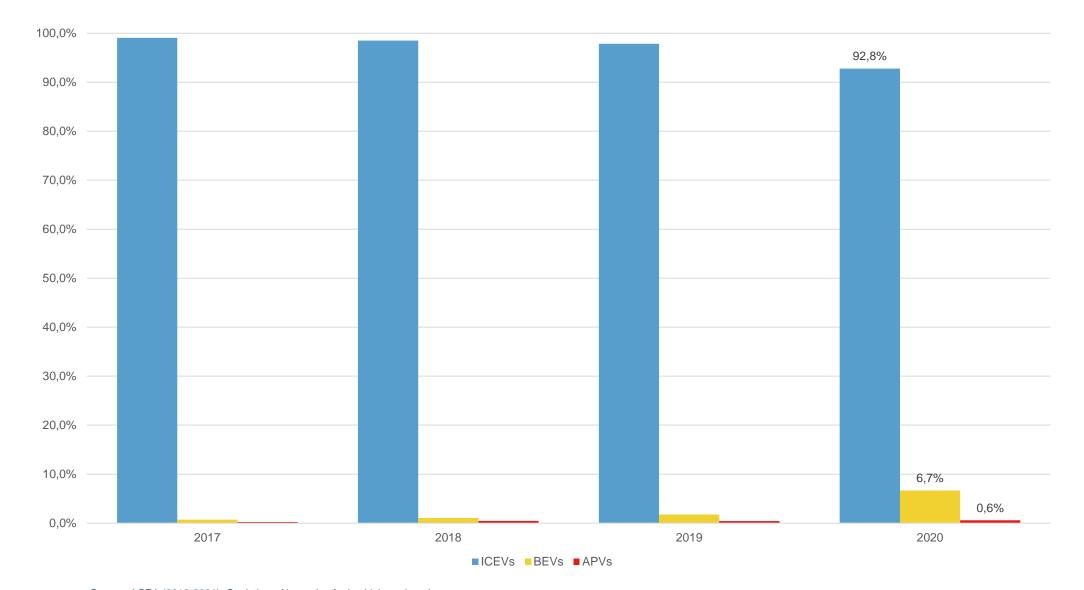
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Contribution of European measures to lower TTW emissions in transport by 2030 largely rely on efficiency improvements and renewable fuels

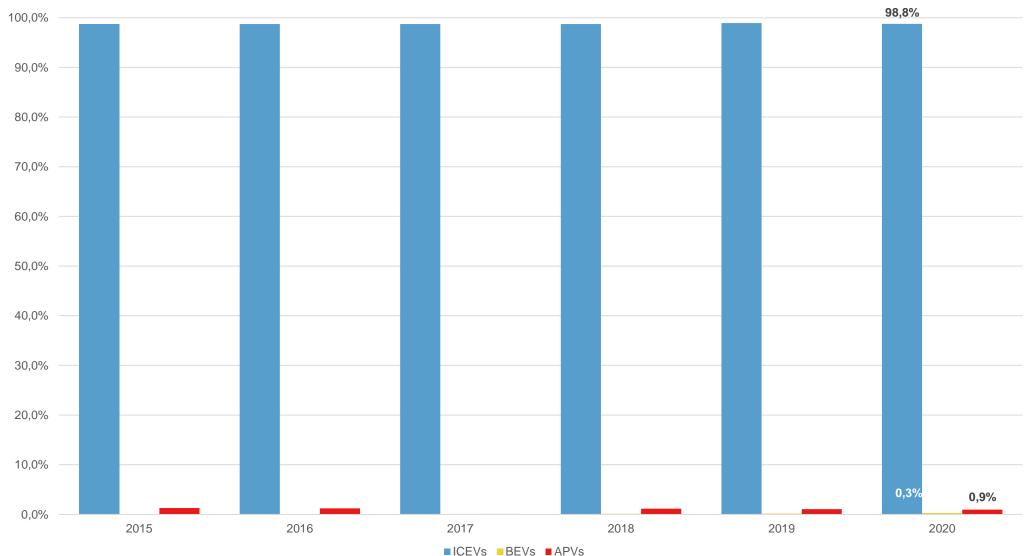


New passenger car registrations: Case Germany



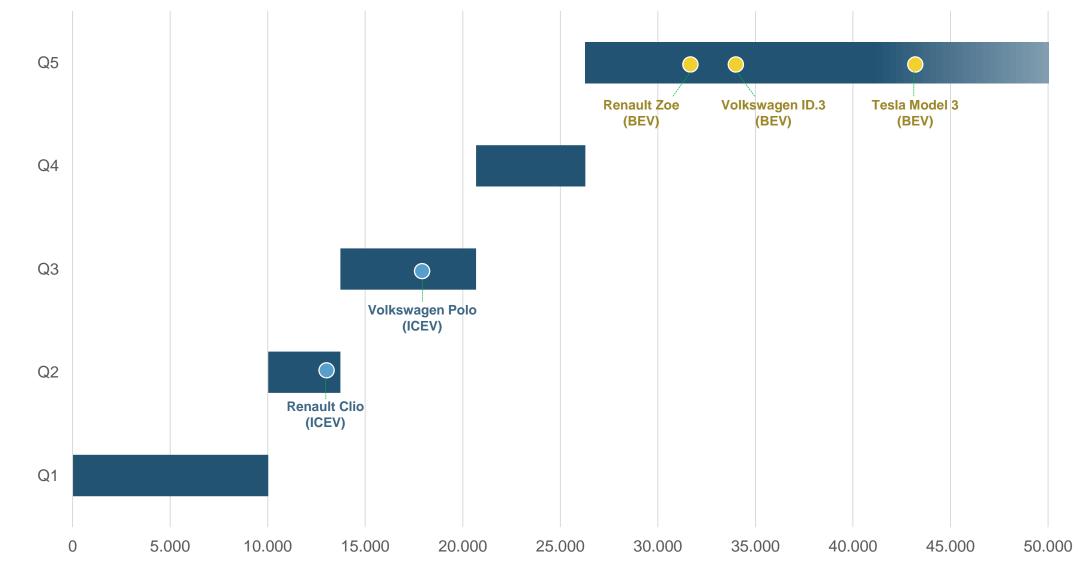
Source: ACEA (2018-2021): Statistics - Alternative fuel vehicle registrations APV = includes natural gas vehicles (NGV), LPG-fueled vehicles and ethanol (E85) vehicles

Second hand market: case Germany. EVs in the used car segment essential for the accelerated uptake of EVs in the market.

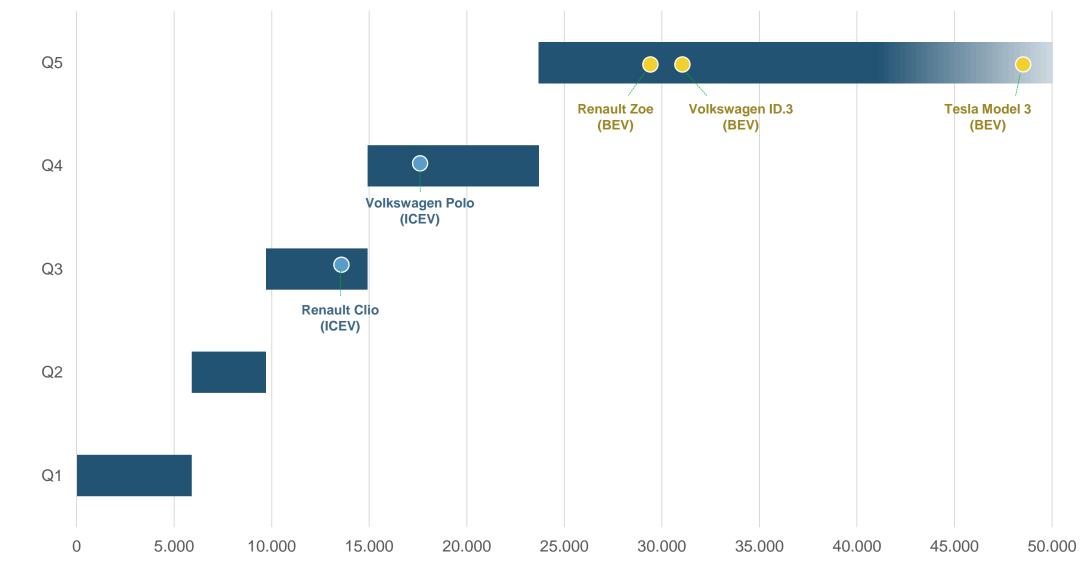


Source: KBA (2015-2020), Besitzumschreibungen von Kraftfahrzeugen und Kraftfahrzeuganhängern APV = includes natural gas vehicles (NGV), LPG-fueled vehicles and ethanol (E85) vehicles

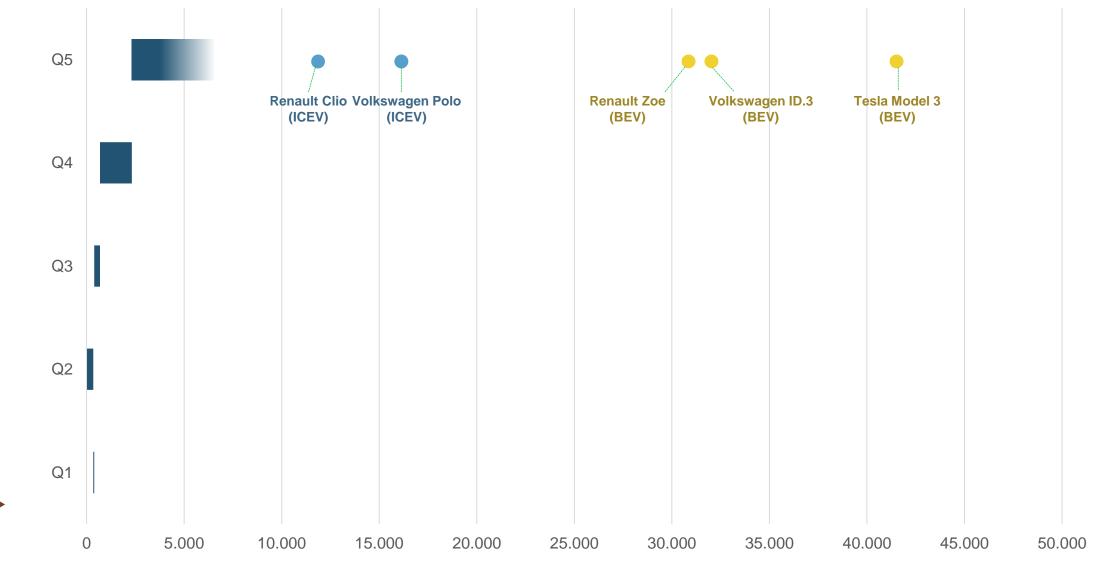
France | Average budgets of various income groups for new car purchase (sales prices June 2021) (5 income groups: Q1: 20% lowest income to Q5: 20% highest income group)



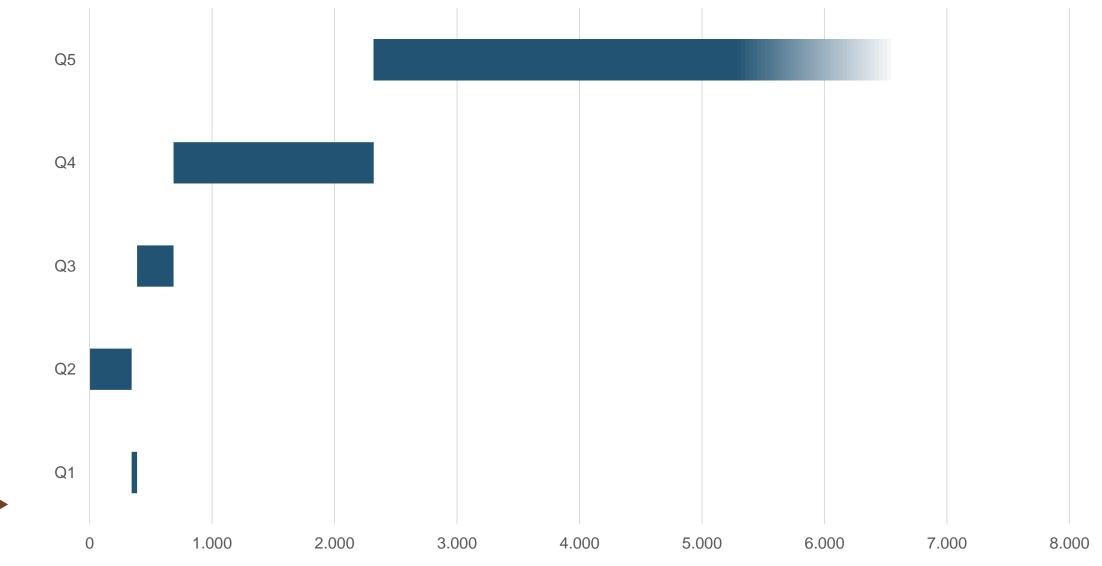
Germany | Average budgets of various income groups for new car purchase (sales prices June 2021) (5 income groups: Q1: 20% lowest income to Q5: 20% highest income group)



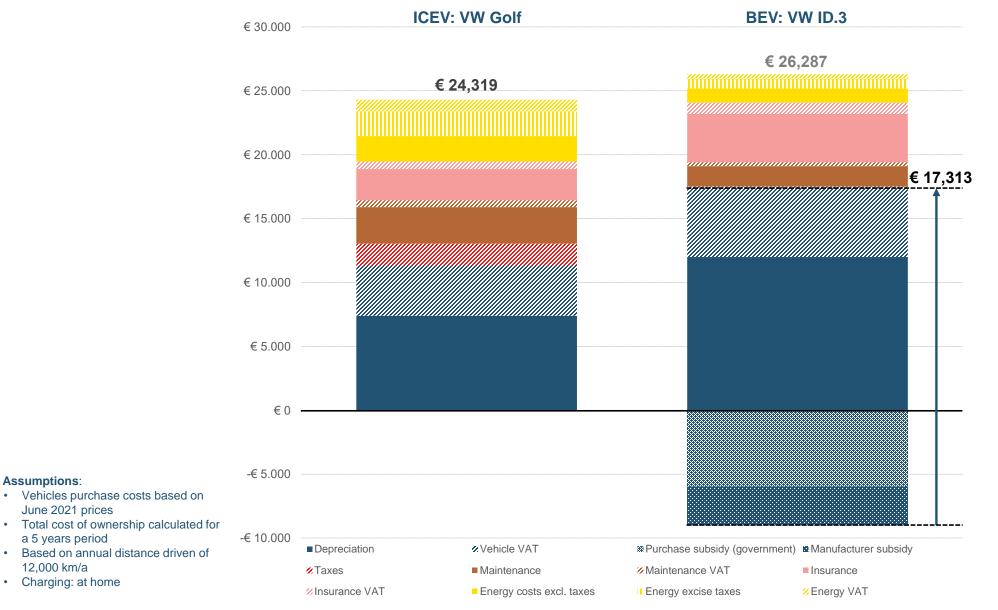
Hungary | Average budgets of various income groups for new car purchase (sales prices June 2021) (5 income groups: Q1: 20% lowest income to Q5: 20% highest income group)



Case for Hungary: Average budgets of various income groups for new car purchase (sales prices June 2021) (5 income groups: Q1: 20% lowest income to Q5: 20% highest income group)

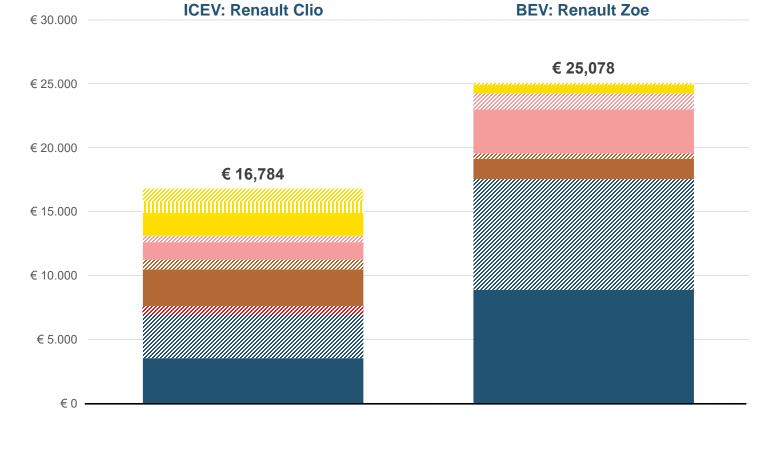


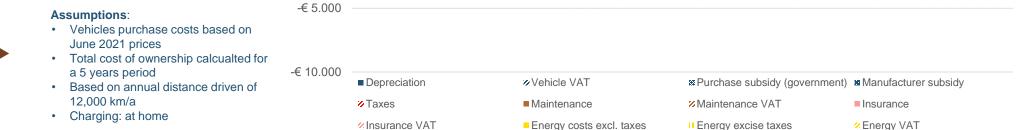
Comparing total cost of ownership – for the 1st 5 years – in a West-European country Example of a VW model : Golf lower in cost than ID.3





Comparing total cost of ownership – for the 1st 5 years – in a Central-European country Example of Renault: Zoe 1,5 times more expensive than its ICEV-equivalent Clio





In reflection

- A substantial amount of public funding is spent on stimulating consumers to buy an electric vehicle.
- In our analysis we see amounts of €6000,- over a 5 years period of time. This would equal a fuel subsidy of approx. €1,5 a liter (gasoline).
- Just imagine this budget is used to cover the extra costs to shift to the use of 100% low carbon fuels.
- (For instance, in the Netherlands we know the extra costs for renewable fuels are in the range of 0,50 cent a liter)
- Such an amount of subsidy would cover for the extra costs of 100% renewable fuels for 15 years (on basis of 12.000 km a year)
- With the same amount of support a significant climate reduction can be realised.
- It is not that we should spend this money in this way, but it makes clear we have more options for green mobility.
- Equal treatment of options from the perspecive of climate reductions could mean to have any car driver on board in the sustainable mobility transition

