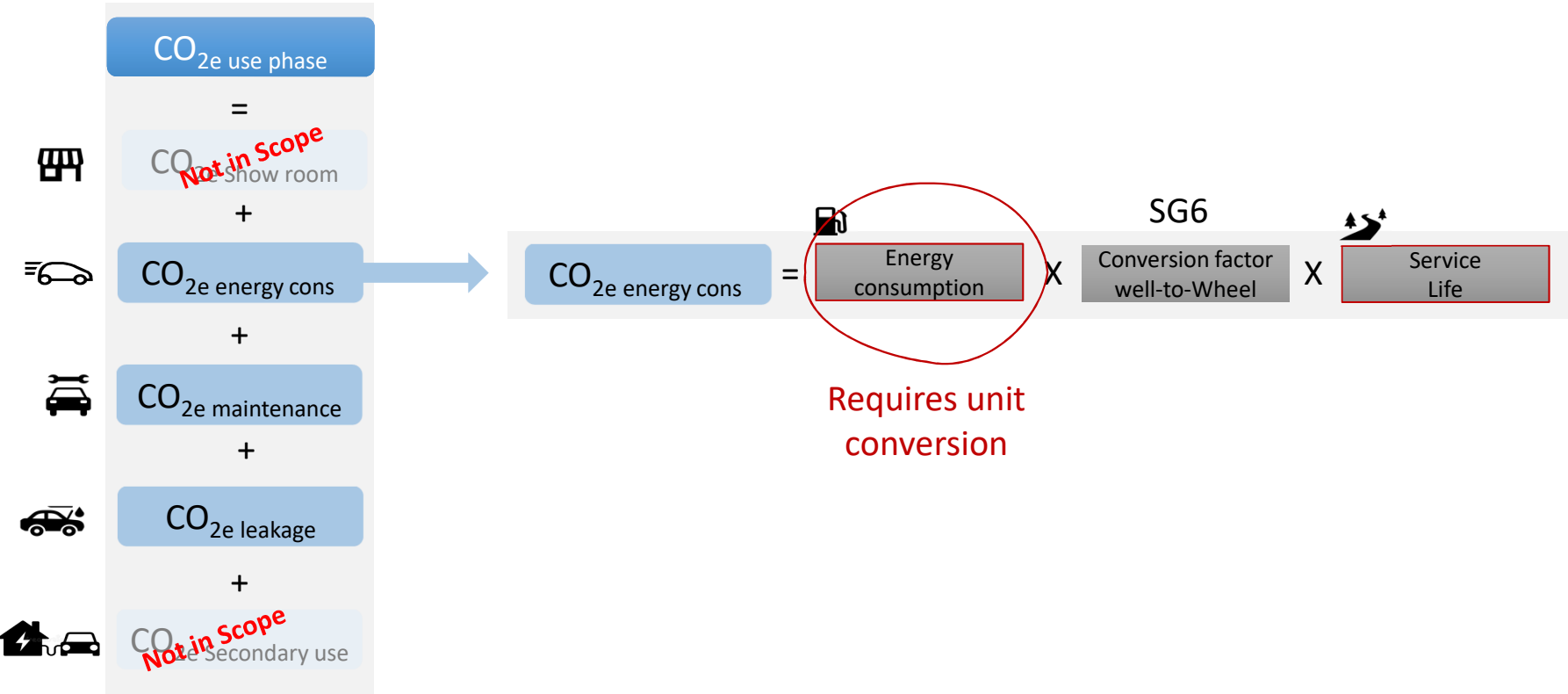


Unit conversion to MJ

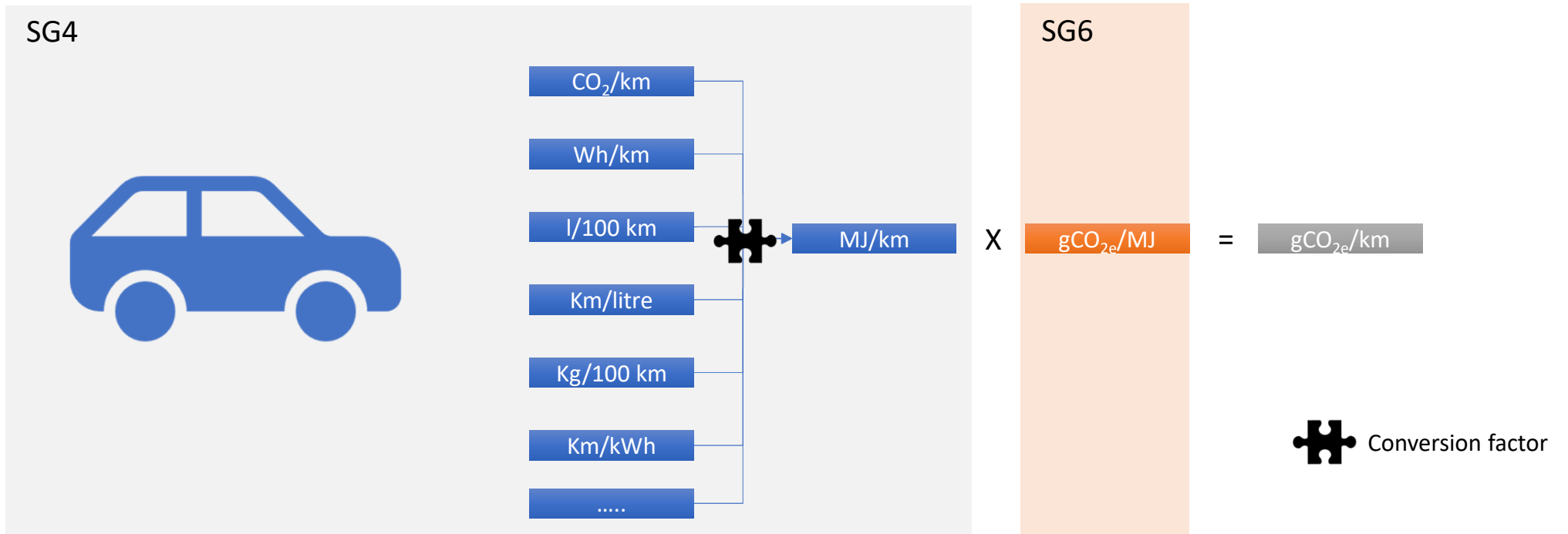
Support for discussion

Context

- Following discussion with SG6, it was suggested that all values coming from SG4 should have in MJ instead of different units for different powertrains
- If agreed in the SG4 , we need to propose a conversion method to MJ



Objective



Conversion method

$$\text{MJ/km} = (\text{Energy consumption or fuel consumption per km}) \times (\text{Net calorific value of energy or fuel in MJ/unit})$$



Homologation value



Fuel or Energy Type	Net Calorific Value (MJ/unit)
Gasoline	
Diesel	
Compressed Natural Gas	
Liquified Petroleum Gas	
Hydrogen	
Electricity	
...	