IWG A-LCA SG4 Use Phase

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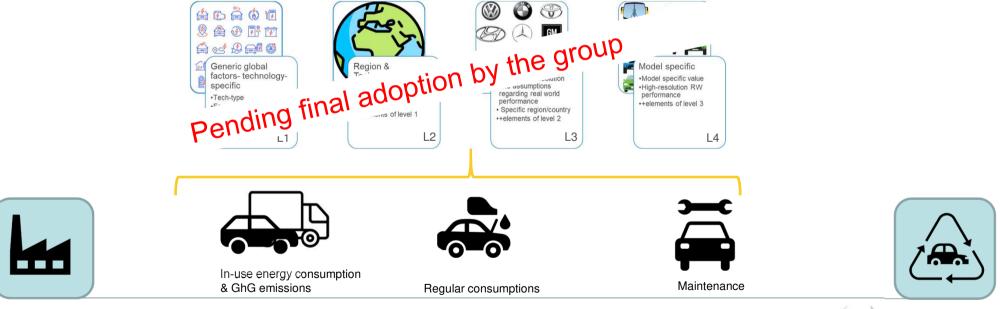
Discussion items for SG4

- Scope definition
- Boundaries definition
- Level Concepts for SG4
 - □ Discussion on elements to be considered (eg charging/refueling/driving/maintenance/other)
 - ☐ Possible datasets Primary Data concept
 - ☐ Boundaries include the system but also the vehicle types
- SG4 Meeting Schedule plan



SG4 Scope

 Provide a comprehensive methodology for calculating realistic GhG emissions and energy consumption over vehicle use-phase at various levels of detail and considering the availability of different information and datasets





SG4 Boundaries

- Agree on vehicle types type/powertrains to be included
- Define service life (OEM or Default)
- Agree on databases acceptable data source
- Pending final adoption by the group Define maintenance frequency Proposed boundaries











Covering activity from circulation to end-of-life



Draft CO₂eq Calculation (JRC)**

Lifetime GhG [CO2eq] = GhG [CO2eq] * total average distance [km] + Maintainance * occurrences + waste (total)

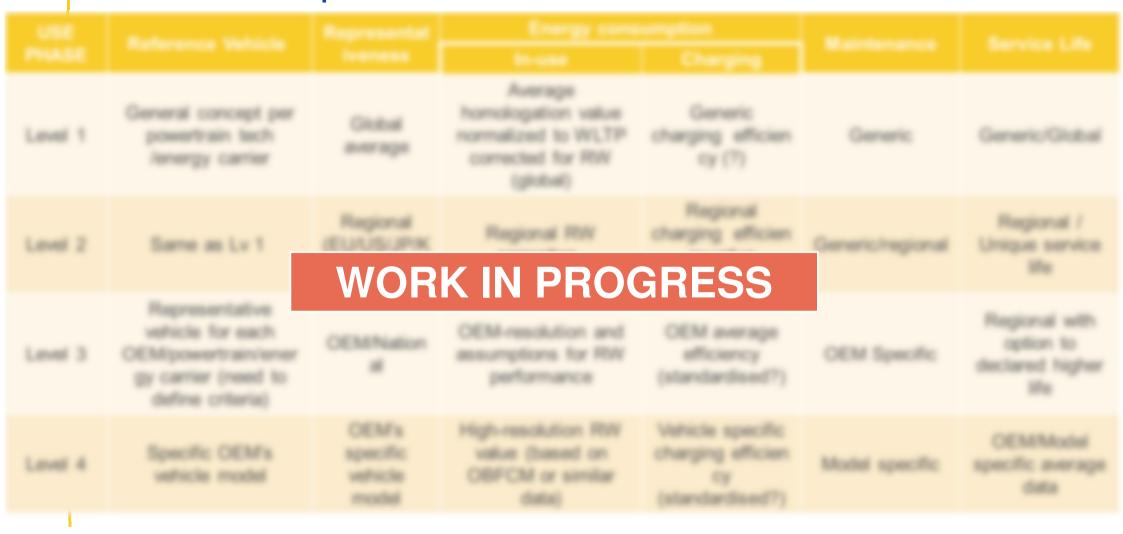
GhG [CO2eq.] (g/km) = Energy consumption (M^{17} progress 36 + Fuel Energy Consumption (g/km) * Factor SG6 + fugitive emissions + other progress M from the guidebook)

Energy consumption = TA Value (or equivalent) * RW correction factor [vi3, lvi4] * degradation factor [lvi1, lvi2, lvi 3,lvi 4] * other factors (?)



^{**} Important to define levelling concept [lvl1, lvl2, lvl 3,lvl 4] and the data sources

Level Concept for SG4



SG4 Meeting Schedule Plan

June	July	August	September	October	November
26 th – SG4 1 st meeting	-	<u>Summer Break</u>	-	10 th – SG4 4 th meeting	7 th – SG4 4 th meeting
	10 th – A LCA 9 th IWG		7 th – A LCA 10 th IWG	17/18 th – A LCA 11 th IWG @BRU	
	11 th – SG4 2 nd meeting		21 st – SG4 3 rd meeting	-	

