

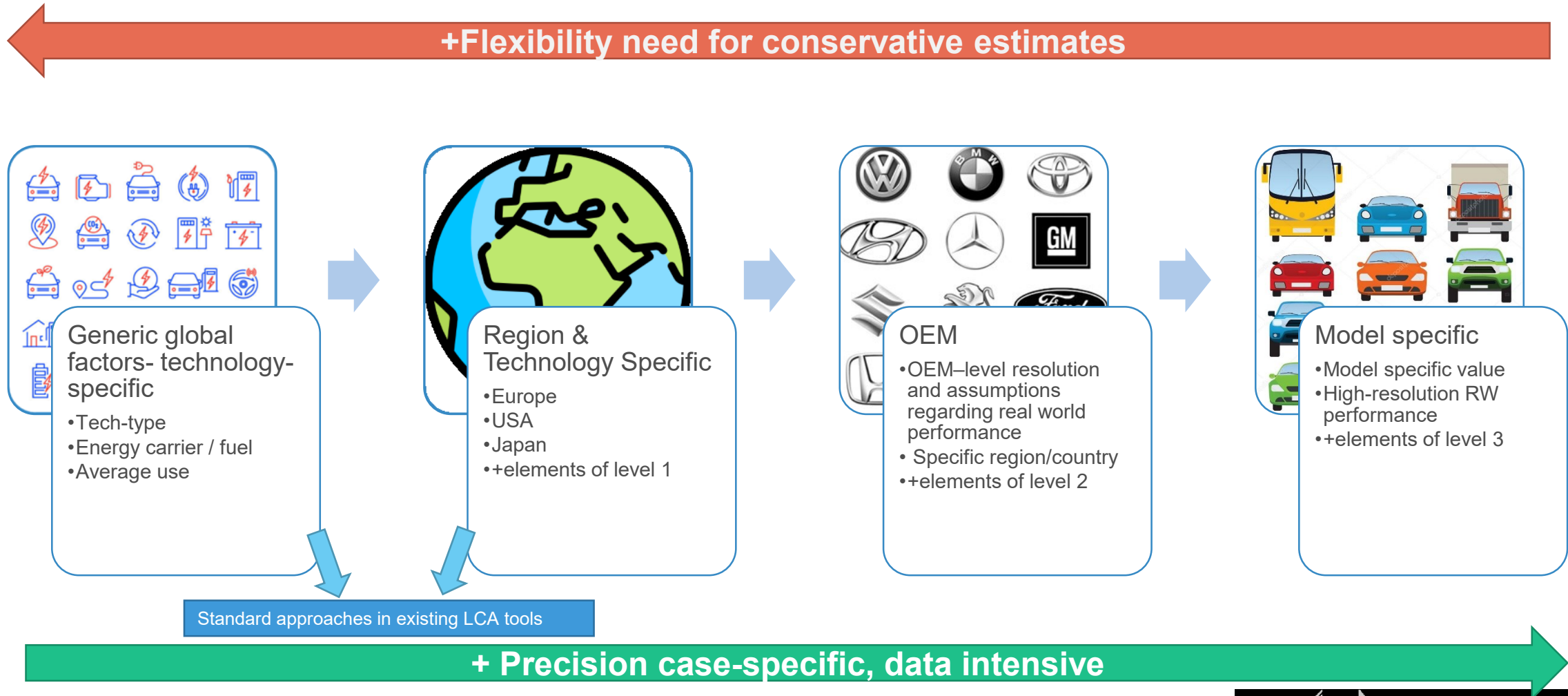
# IWG A-LCA SG4 Use Phase JRC draft proposal

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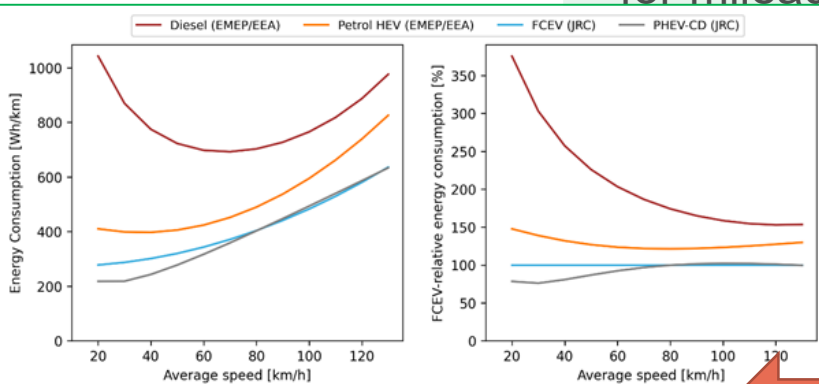
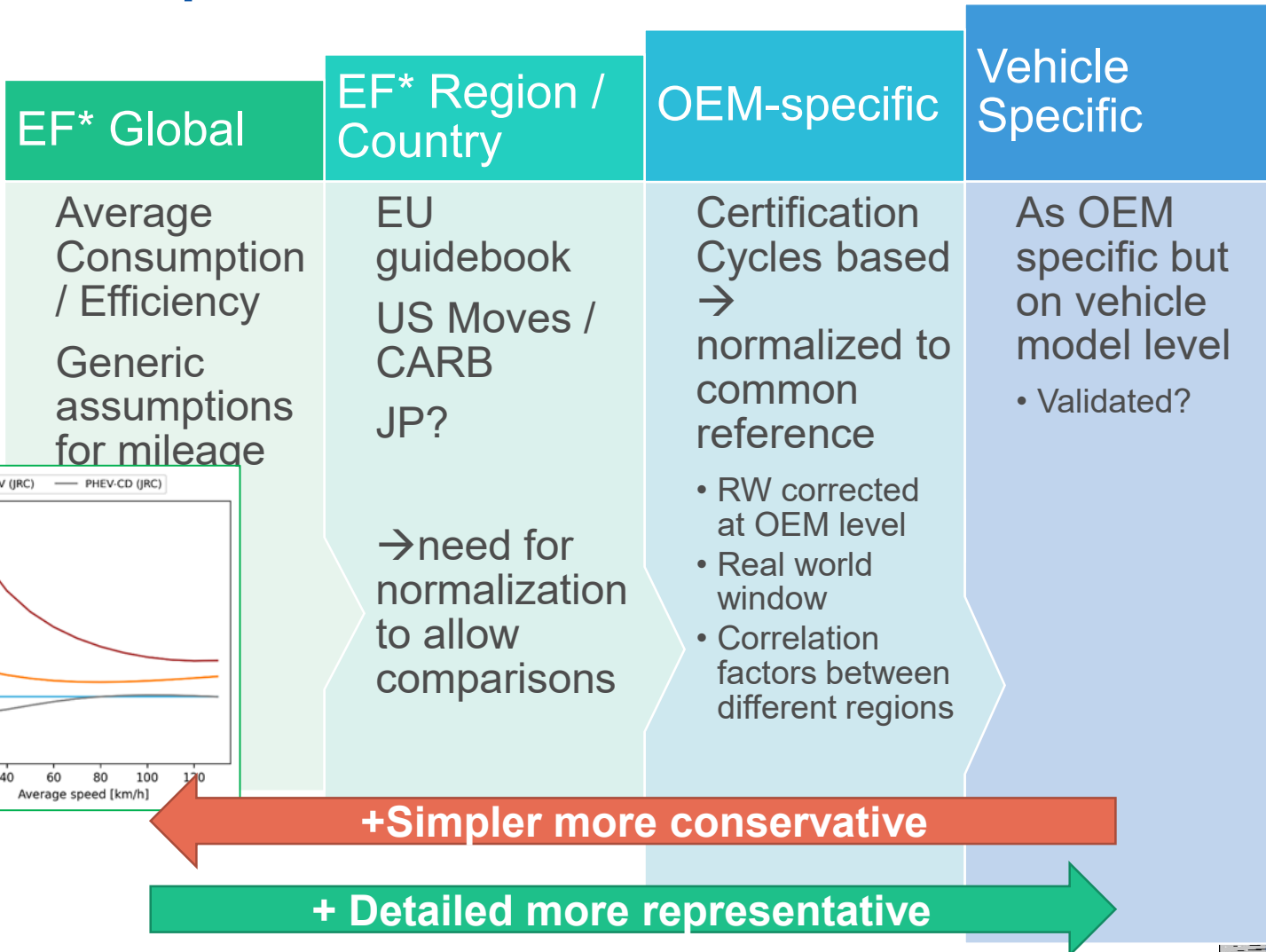
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# Levels concept of Use Phase



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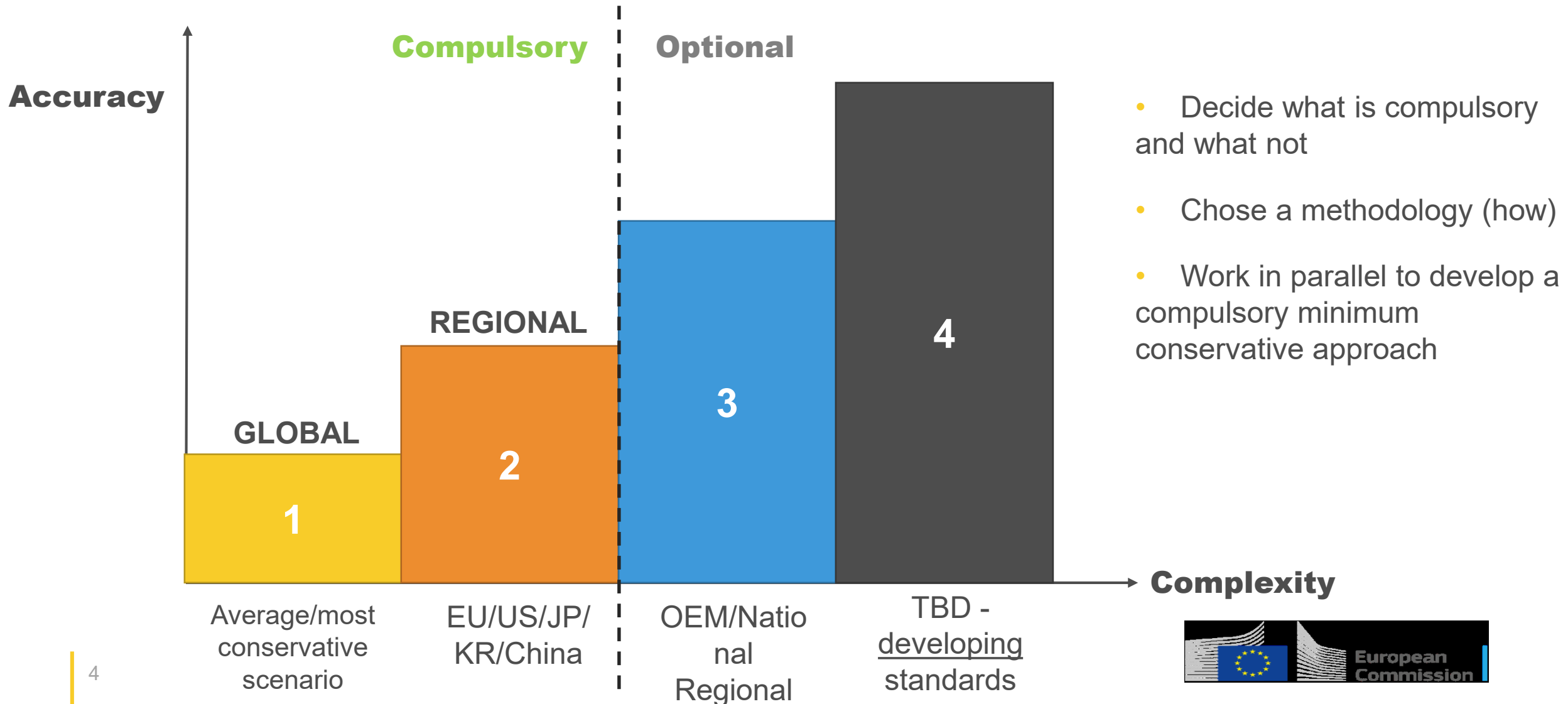


Source: EC JRC

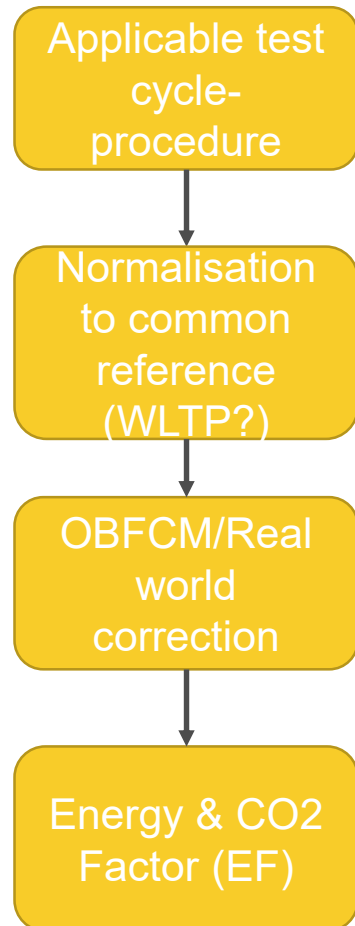
+Simpler more conservative

+ Detailed more representative

# Levels concept of Use Phase



# Fuel Consumption/Efficiency



Correlation ratios could be simulated for positive energy demand & mean efficiency

ratio	WLTP	NEDC	US06	FTP	JC08	....	other
WLTP							
NEDC							
US06							
FTP							
JC08							
.....							
other							

# Open questions

- Definition of boundaries eg pump to wheel, charger to wheel etc
- Definition of exact scope
- Data availability (EU: certification data per vehicle version, and real world performance will be available)
- Other in use parameters to be covered eg mileage, maintenance
- Default/Generic methodologies in different regions/countries?

# Summary

## Key points:

- Methodology can be built on existing standard approaches at simple level and allow for more precise estimates using available data
- Generic approach must encourage the use of more detailed approaches
- Need to agree on a common reference (WLTP?) for use phase emission evaluation
- Real-world figures based on validated/proven data
- Correlation matrix to standardize initial values for official real-world data
- Consider comparing efficiency instead of emissions due to higher share of Evs