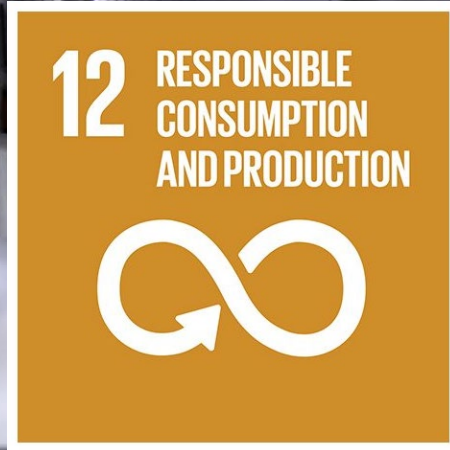


Note by the Vice Chair

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Agenda item 14



GRPE Workshop Carbon LCA of vehicles Vice-Chair's thoughts

Duncan Kay
Vice- Chair of the Working Party on Pollution and Energy
2 | June | 2022

GRPE LCA workshop main messages



Vice-Chair's thoughts:

- Complex topic(!) but the time is right to tackle it
- Wide range of perspectives
 - Lots of activity in the field of automotive LCA – over many years
 - Academics, NGOs, think tanks, manufacturers, suppliers, regulators...
- Many different reasons of conducting LCA
 - Informing policy decision making
 - Educating consumers
 - Guiding technology development
 - Identifying areas for improvement
- Methodological approaches vary
 - ISO-methodology well established, but widely recognised not to provide harmonisation
 - Key assumptions vary widely and have a significant impact on the results

GRPE LCA workshop main messages



Vice-Chair's challenges:

- How to harmonise / reduce variability but maintain relevance?
 - Regional variation, real-world usage, fuel production, vehicle lifetime, overall distance covered, ambient temperatures...
- How to deal with uncertainties?
- What about primary data versus secondary data?
 - Actual CO_{2eq} data
 - Inventory databases
- Need to consider not just life cycle analysis, but primary energy consumption too!

GRPE LCA workshop main messages



Vice-Chair's conclusions

- Strong agreement on the need for a harmonised global approach
- GRPE well placed to take this work forward
 - Experience of negotiating agreement where there's divergence in views
 - Transparency necessary when tackling complex issues
 - BUT we need to maintain engagement with other initiatives
- Must first agree and define exactly what our goal is for this work
 - Who is the 'audience'?
 - What is the purpose?
 - How will LCA achieve this?