



NGVA
— Europe
for sustainable mobility

NGVA Europe view on level concept

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Natural & bio Gas Vehicle Association

7 June 2023

NGVA Europe supports the idea of the level concept proposed by Korea.

At the same time, NGVA Europe proposes a simplified approach to this topic.

❖ (Example) Level concept

Level #1

Simplified LCA : Focus on fuel cycle, and for vehicle cycle, generic raw material classifications and parts/vehicle productions according to the curb weight of the vehicle type, e.g. powertrain and fuel combination

Level #2

Targeted LCA : Focus on vehicle OEM's direct manageable scope and using globally standardized secondary DB for raw materials and major automobile parts reflecting vehicle OEM's own efforts

Level #3

Extended LCA : Expansion of supply chain evaluation and application of regional secondary DB or primary data which can reflect the efforts made in supply chain management

Level #4

Full LCA : Evaluation of CFP for the entire value chains based on primary data

Original proposal by Korea

NGVA Europe suggests to develop in each subgroups the full methodology, at the maximum detail level possible (equivalent to Level #4).

A-LCA IWG is not in charge to calculate data and populate databases. Therefore, in this phase it should 'only' develop the methodology.

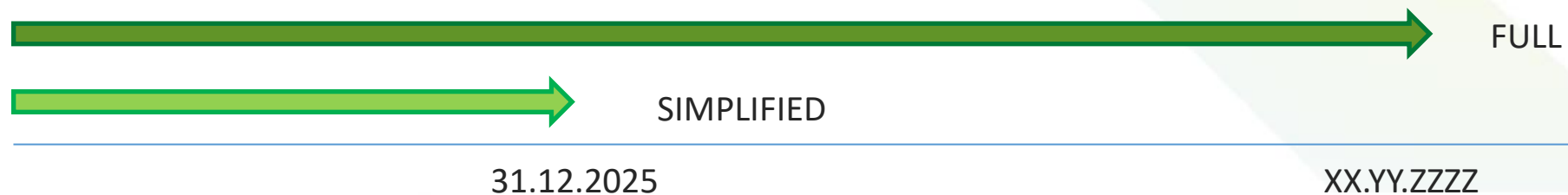
Each subgroup should define a 'simplified' level of analysis, that can be temporally adopted if for any reason the full analysis cannot be developed (for example, due to the lack of data).

This simplified level can correspond to Level #1, Level #2 or Level 3. For each phase, the level shall be unique, but different phases can have different equivalent level.

Example of simplified level of analysis (to be evaluated by each SG according to the availability of data at 31.12.2025)

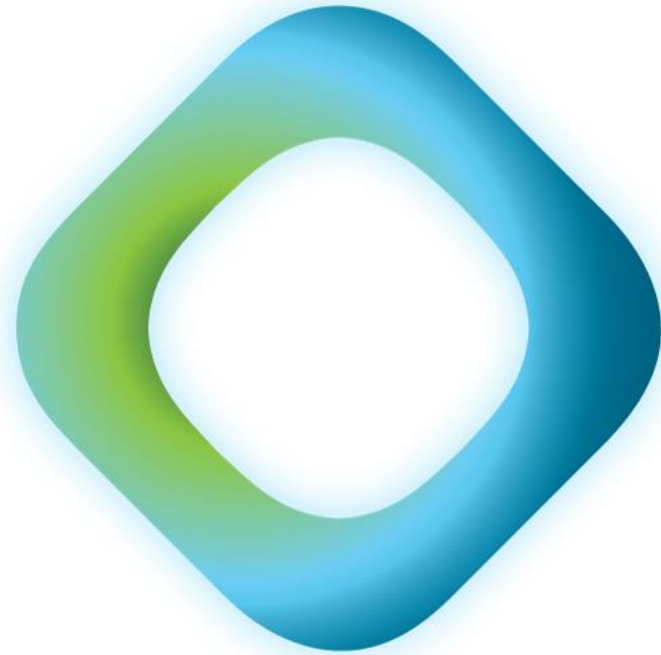
SG	Description	Level #1	Level #2	Level #3
SG2	Material and material recycling	→		
SG3	Productions	→		
SG4	Use	→		
SG5	End of Life	→		
SG6	Fuel and energy cycle	→		

Example of implementation dates:



Advantages of this proposal:

- The methodology of the full analysis will be available at the end of the A-LCA IWG mandate.
- A simplified methodology will be immediately applicable.
- The full methodology could be implemented once data available.
- Only two levels of analysis are possible: FULL or SIMPLIFIED.
- More clarity when comparing different companies.
- Avoid different requirements from CPs, forcing companies to develop several levels of analysis.



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