

How to use Level Concept in A-LCA methodology development

2024. 4. 19

How to use the level concept in A-LCA methodology development (1/2)

How do we use the level concept in A-LCA?

- ✓ If IWG and SGs agree upon how to use the level concept in our methodology development, we can do more efficient discussion within or between subgroups at the rest of meetings.
- ✓ There could be several options (i.e., Cases 1~5 below) of making A-LCA methodology using the level concept.

Case 1. SGs make methodologies of all levels and A-LCA methodologies are a total of 4ea, one for each level

	SG2	SG3	SG4	SG5	SG6	
Lv.1	✓	✓	✓	✓	✓	→ A-LCA Methodology of Lv.1
Lv.2	✓	✓	✓	✓	✓	→ A-LCA Methodology of Lv.2
Lv.3	✓	✓	✓	✓	✓	→ A-LCA Methodology of Lv.3
Lv.4	✓	✓	✓	✓	✓	→ A-LCA Methodology of Lv.4

✓ : a methodology that SG should provide

Case 2. SGs make one methodology of the level selected by IWG (Mix & Match possible)

Firstly, IWG collects the SG's level description or table (not methodology yet), then **IWG determines the most appropriate level that will be applicable from 2026**. Finally, SGs focus on the chosen level to develop the methodology.

	SG2	SG3	SG4	SG5	SG6	
Lv.1	X	X	X	X	✓	→ A-LCA Methodology
Lv.2	✓	X	✓	X	X	
Lv.3	X	✓	X	✓	X	
Lv.4	X	X	X	X	X	

How to use the level concept in A-LCA methodology development (2/2)

Case 3. SGs make methodologies for one or more levels that they can make (in the given timeframe), and IWG selects only one for each SG and combines to create a final A-LCA methodology. (Mix & Match possible)

	SG2	SG3	SG4	SG5	SG6	
Lv.1	✓	-	✓	-	✓	→ A-LCA Methodology
Lv.2	✓	✓	✓	✓	-	
Lv.3	✓	✓	✓	✓	-	
Lv.4	-	-	-	-	-	

Case 4. SGs set their own single target level and make one methodology, and IWG combines them to produce A-LCA methodology.

	SG2	SG3	SG4	SG5	SG6	
Lv.1	X	X	X	X	✓	→ A-LCA Methodology
Lv.2	✓	X	✓	X	X	
Lv.3	X	✓	X	✓	X	
Lv.4	X	X	X	X	X	

Case 5. SGs make methodologies for one or more levels that they can make (in the given timeframe), and IWG allows users (i.e., CP's, OEM's, researchers, etc.) to choose their own combination of A-LCA methodology afterwards.

	SG2	SG3	SG4	SG5	SG6	
Lv.1	✓	-	-	-	-	→ A-LCA Methodology (user choice)
Lv.2	✓	✓	-	✓	✓	
Lv.3	✓	✓	✓	✓	✓	
Lv.4	-	✓	✓	✓	✓	

(Mix & Match possible)