

Status Report of
the IWG on Automotive Life Cycle Assessment
(A-LCA)

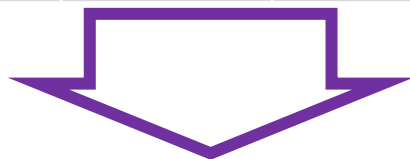
Prepared by
the A-LCA Informal Working Group

1. Progress of the A-LCA IWG since 89th GRPE

Overall schedule

	2022	2023			2024		2025	
GRPE	86 th	87 th	88 th	89 th	90 th	91 st	92 nd	93 rd
	Workshop	★ Approved Terms of Reference						
A-LCA IWG	★ 1 st IWG Meeting @ Okinawa/Japan							
Overarching aspects								
Develop methodologies								
Drafting								

Progress

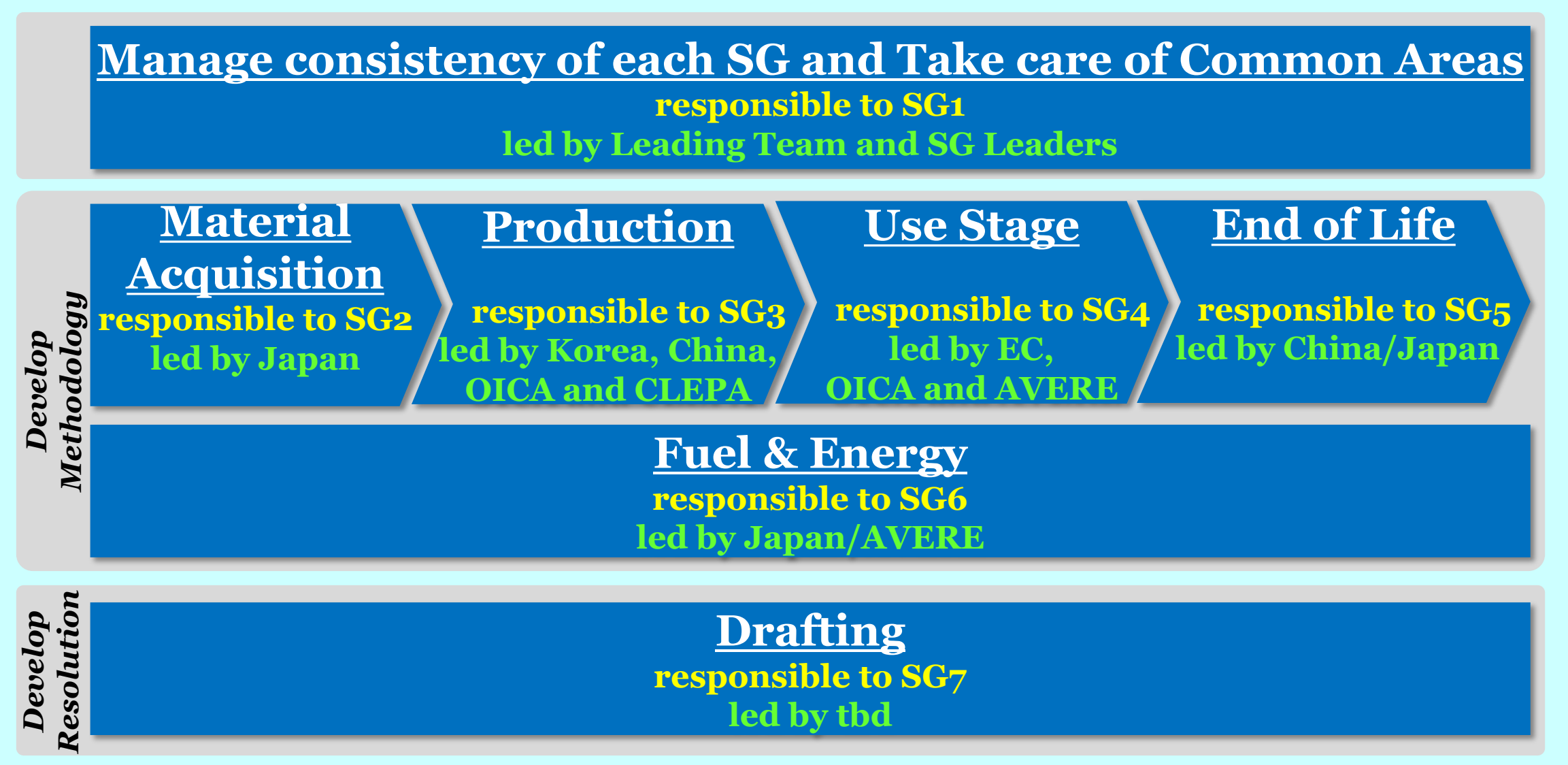


Held 5 IWG Meetings including one with conjunction to 90th GRPE session

<OUTCOMES>

- ✓ Successfully started the subgroup activities with constructive contribution by member and with excellent leadership by leaders
- ✓ Intensive discussion on “Level Concept” and “Overarching Aspects” is on going

2. A-LCA Working Organisation



3. Remarkable Notes (1)

IWGW

Agreement

- ✓ **Applicable vehicle : Category 1-1**
- ✓ **Scope of greenhouse gas species : all IPCC AR6 GHG GWP 100 species and Hydrogen**

Under the discussion

- **Level concept and its definition**
- **Indirect infrastructure**
- **Transportation**
- **Definition of “representative vehicle”**

Request to SGs

- **the elements/areas/processes to utilize "secondary data“**
 - **future scenario of energy mix**

SG2

Agreement

- ✓ **Level concept and its definition**
- ✓ **Usage of the recycled material**
- ✓ **Consider regional carbon intensity**

Under the discussion

- **Calculation method**
- **Battery materials**

SG3

Agreement

- ✓ **Declared unit**

Under the discussion

- **Primary data and quality rating**
- **Level concept and its definition**
- **handover point between SGs**
- **Production relevant emissions**

3. Remarkable Notes (2)

SG4

Agreement

✓ **Scope, Boundaries, maintenance + regular consumption**

Under the discussion

- **CO₂_equivalent calculation including functional unit**
- **Level concept implementation**
- **Service life duration/mileage definition**
- **In-use data to reflect realistic conditions**
- **Type-approval data + correction**

SG5

Agreement

✓ **Develop recycling model**

Under the discussion

- **Methodology of recycling model**
- **Recycle process**
- **Consideration of second life**
- **Boundary conditions**
- **Secondary data set**

SG6

Agreement

✓ **Scope of emissions**
✓ **Functional unit of the subgroup**

Under the discussion

- **Specificities of the levelling concept**
- **Inclusion of hydrogen**
- **Future carbon intensity**

4. Next Actions

Meetings until next GRPE (May 2024)

Main agenda and Expected outcomes

- ~ April 2024 : a couple of virtual meeting < *discuss overarching aspects, review SGs activities and provide the guidance if necessary* >
- 18th & 19th April : Hybrid meeting @ Seoul < *finalise overarching aspects, prepare drafting activities, review SGs activities and provide the guidance if necessary* >
- the week of May 20th : Face-to-face meeting @ Geneva < *review overall progress status, take off the drafting activities* >
request half day session in conjunction with 91st GRPE session

Each SG activities including meeting schedule are handled by each SG leader(s)

5. Current Progress

▼ : target level as of January 2024

Progress level (%) items	20	40	60	80	100	Notes
ToR						January 2023 ▼ FIXED with strong leadership by GRPE
Working Organisation including Subgroup structure						May 2023 ▼ Established 6 subgroups (SGs) 5 SGs are very active with SG leaders initiative
Overarching aspects						January 2024 ▼ Slightly behind the schedule Continue to discuss in parallel with SG activities
A-LCA Methodology						March 2025 ▼ Progress of each SG is slightly vary
Drafting						June 2025 ▼ Activities will be taken off after June 2024

Thank you!

Leading Team

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