

16th A-LCA session Minutes

Agenda Item 0: Summary & next steps

The 16th A-LCA IWG session reviewed important agenda items concerning subgroup leadership and drafting progress, emphasizing the need for alignment on overarching aspects such as infrastructure emissions and secondary data criteria. Tasks for the next meetings include:

- SG7 leadership to finalize level concept documents for review.
- Subgroups to continue refining their drafting schedules to align with GRPE date changes.
- Gather evidence on the significance of infrastructure emissions for further discussion, particular renewable energy infrastructure.
- Prepare for the next IWG meeting with updated drafting and feedback from all subgroups.

Agenda Item 1: Welcome and introduction

The chair welcomes the participants to the 16th A-LCA meeting.

Agenda Item 2: Adoption of the agenda

The chair reviewed the agenda with the participants for this session. Agenda adopted with request from OICA to present during agenda item 5 level concept for drafting by the different SGs. Ricardo to give under Agenda item 9 TransensusLCA update.

Agenda Item 3: Adoption of last meeting minutes

The chair presented and reviewed the meeting minutes of last session (15th session). The minutes were adopted without changes. Agenda item 0 summary added to the minutes.

Agenda Item 4: Nomination of SG7 leadership

Nomination of SG7 Leadership: Bill Coleman (OICA) and Caroline Meur (France) were nominated and accepted as leaders of SG7. SG1 meetings on drafting will be switched to SG7 meetings. Michael Wang and Jarod Kelly of Argonne National Laboratory, Georg Bieker, ICCT in SG7, Nikolas Hill (Ricardo) to be added to SG7 distribution list.

Agenda Item 5: Drafting incl. status of SGs (ToR's schedule to be in line with GRPE's dates changes)

The chair reported on the progress of its two recent SG1 meetings. The drafting timeline was updated, with SG7 now taking the lead in drafting efforts. SG1 emphasized the importance of incorporating the level concept, especially for subgroups SG2 and SG3.

Level concept presentation by OICA & CLEPA. Reference 11th A-LCA IWG session. Level concept isn't regarding quality of the different levels but regarding the applications of the methodologies. Reminder to the SG to consider in the drafting the level concept, including representative and granularity. This is specifically applicable for SG2&3. Use cases to be used to explain the different level concepts. Request from SG7 Chair when the draft level concept will be available to other IWG members. OICA: The document will be provided in course of the next weeks.

US requests clarification of definition of hotspot. OICA explains the differentiation between levels and their relevance to vehicle models, while Chair suggests allowing subgroups to define their own levels based on general guidance.

Each subgroup provided updates on their drafting process, and the chair reinforced the need to synchronize the subgroups' outputs with the newly updated **GRPE timeline**:

- **SG2: Tabushi (JASIC)** it was reported that drafting work is progressing well, and a follow-up meeting is scheduled for September 25
- **SG3: Hwansoo (Korea)** shared that the subgroup is preparing its draft by merging documents from **CLEPA** and **Japan**. The next SG3 meeting will also be held on September 25
- **SG4: Giuseppe Di Pierro (JRC)** reported that significant progress has been made on the functional unit definition and in-use consumption metrics. **SG4** expects to finalize and merge drafts in the coming days, with the next meeting scheduled for September 23
- **SG5: Shoji Aoki (Japan)** stated that the group had reviewed JAMA's initial draft and plans to hold its next meeting on September 25 to finalize the first draft
- **SG6: Kawaharada (Japan)** informed the group that the first draft will be sent for review after September 18. A final draft is expected to be shared during the next in-person meeting.

Agenda Item 6: Overarching Aspect: "Infrastructure"

A major topic of discussion during the session was whether to include or exclude emissions related to the production and end-of-life stages of infrastructure in the A-LCA methodology. While the SG1 chair concluded that such emissions should be excluded, several stakeholders, including ICCT and Ricardo, disagreed. They highlighted that infrastructure emissions could represent a significant proportion of total lifecycle emissions, particularly in renewable energy pathways. EU COM emphasized the need for a clear understanding and referenced the EU environmental footprint recommendation for guidance on inclusion criteria.

For example, ICCT referenced a study indicating that in the case of a hydrogen fuel cell electric vehicle powered by renewable hydrogen, 22% of the emissions could be attributed to the infrastructure used for generating renewable electricity. <https://theicct.org/wp-content/uploads/2021/07/Global-Vehicle-LCA-White-Paper-A4-revised-v2.pdf#page=21>

The IWG agreed on the following points:

- Emissions from the operation of infrastructure (such as the operation of power plants) should be included.
- The inclusion of infrastructure construction and decommissioning emissions should depend on their significance. Subgroups were tasked with gathering evidence on whether infrastructure emissions are substantial enough to be included.
- The decision on the matter will be revisited in the next IWG meeting after reviewing the evidence provided by the different IWG members.

Agenda Item 7: Overarching Aspect: Secondary Data Criteria

EU COM and JRC provided updates on secondary data criteria, drawing comparisons to existing frameworks like the Pedigree Matrix and the IMO's methodology. Discussions focused on ensuring that data quality and frequency are clearly defined in the context of LCA.

An additional session with SG1 will be organized to finalize these criteria, with input from other subgroups as necessary.

SG1/7 meeting on 13th of September 09:00-10:30 CEST.

Agenda Item 8: Quick Update from SGs:

Each SG leader provided a quick update on their progress:

- SG3: Next meeting scheduled for September 25 to finalize merged drafts
- SG5: First draft to be reviewed during the meeting on September 25
- SG6: First draft to be sent for review on September 18

SG leaders were reminded to submit their drafts in editable formats for integration into the final A-LCA document

Agenda Item 9: Closing Overarching Aspect: Secondary Data Criteria

The meeting concluded with a reminder that TransensusLCA will provide updates on international collaboration during the next IWG session. Participants were also encouraged to continue gathering data and refining their drafts before the upcoming subgroup meetings.

COM reminded IWG participants to register to enter COM building for the 17th IWG meeting A-LCA on the 27th of September via the excel template shared by the secretariat

Secretariat also reminded IWG participants to register and decide lunch choice for the 17th IWG meeting A-LCA on the 26th of September via the excel template shared by the secretariat.