

Draft controversial topics list

IWG A-LCA SUBGROUP 6

This list has been drafted by CONCAWE and is put up for review to the entire subgroup. This should be a living document that evolves in the coming weeks and months.

1. Allocation. Simplified, do we consider ISO 14040 sufficient with regards to the priority when assessing emissions from multifunctional processes:
 - a. Avoid allocation by system expansion.
 - b. Allocate according to physical quantifiable unit (MJ, kg etc.)
 - c. Allocate according to other quantifiable unit (economical or other).Since the 1st priority should always be to avoid allocation (and expand system boundaries instead), then applying with the ISO standards is quite uncommon?
2. Intermittency. How is storability to be methodologically considered in LCA. Currently modelled by either using average/marginal values for electricity. Opportunity for SG6 to at least clarify the discussion (this is where we are today) or to highlight which questions are not addressed in the LCA of today.
3. Product economic status i.e., is it by-products or determining products? Not considered in ALCA today which reduces the accuracy (though the precision is high) if consumer compares a by-product with a determining product. See for instance ([Krantz, 2022](#)).
4. ILUC. Whether or not this is included can often shift a renewable fuel from preferable to non-preferable.