

TERMS OF REFERENCE

GESAMP Working Group on Life Cycle GHG Intensity of Marine Fuels (GESAMP-LCA WG)

The terms of reference for the GESAMP-LCA WG as approved by MEPC 81 are as follows:

“The GESAMP Working Group on the Life Cycle GHG Intensity of Marine Fuels (GESAMP-LCA WG) is an expert group to provide best the possible scientific and technical assessment of issues related to the implementation of the *Guidelines on life cycle GHG intensity of marine fuels* (LCA Guidelines), in particular:

- .1 *Methodological refinement of the emission quantification in the LCA Guidelines, with a view to ensuring the integrity of all information provided:*
 - .1 scientific review of the LCA methodology;
 - .2 scientific review of the well-to-tank (WtT) GHG default emission factors of fuel production pathways and technologies;
 - .3 scientific review of the tank-to-wake (TtW) GHG default emission factors of fuel usage and onboard technologies (explicitly mentioning Onboard Carbon Capture Systems (OCCS) boundaries); and
 - .4 sample calculations on LCA and reflecting the output into the existing Fuel Lifecycle Label (FLL).
 - .2 *Sustainability themes/aspects:*
 - .1 refine and further explore indicators and metrics under the sustainability themes/aspects in the LCA Guidelines; and
 - .2 approaches to indirect land use change (ILUC) risk classification.
 - .3 *Methodological requirements of the LCA Guidelines with regard to certification:*

provide external experience and further information for the development and/or identification of possible requirements for fuel pathway certification, including WtT and TtW actual values.”
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