

GHG Strategy Group

Update on recent activities

2023-11-07

Summary of activities 1/2

New members

- Christer Wik from Wärtsilä

Frontier Economic study

- Study approved by board. CIMAC itself will do a contribution – company members are requested to evaluate if they want to contribute.
- Focus on the economic aspects including competition with other sectors → target output is best economic build up strategy for economic feasible infrastructure

Summary of activities 2/2

White papers

- Biofuels: finalization of paper delayed due to
 - After further discussion with DNV, there is an agreement to disagree on availability scenarios
 - Required final alignment on wording of conclusion
- Methanol: first draft written
- Batteries: joint white paper to be written with Maritime Battery Forum
 - "Environment for the use of Batteries in Deep-sea shipping"
- Ammonia
 - Discussion of the ammonia paper by Paul Wolfram et al. (Nature Energy): impact on ammonia cycle of potential use of ammonia as shipping fuel
 - Topic to be addressed in planned ammonia white paper. More preparation needed as new topic (planetary boundaries) included. Use of Maersk LCA analysis (which includes global balancing) to be included in the discussion.

Joint Whitepaper CIMAC and Maritime Battery Forum Update

- Title: "Environment for the use of Batteries in Deep-sea shipping"

Environment meaning:

1. Application areas and limits
2. Use-cases
3. Energy storage & operation range
4. Safety
5. Integration into propulsion systems
6. Impact on crew
7. Regulation
8. Lifecycle assessment

WG 21, WG 20, the GHG SG from CIMAC and the Maritime Battery Forum are working together

First two topics to be worked on, to then make it easier to structure the remaining topics



Members are joining groups working on the different topics (every group has one organizer)

Next meeting on the 06.11.2023, to review the work process and structure