

# GHG Strategy Group

Update on recent activities

2023-05-31

# DNV Environment outlook 2022

## Presentation by DNV on February 10<sup>th</sup>

### ➤ Useful view in context of Frontier economic study

Two models included: Best Estimate (BE) and 1.5 C° scenario. In the BE we end up with a climate warming of 2.2 C° until 2100, the ETO points out the gaps and the urgently needed policy measures to reach the goals set in Paris.

Main discussion points after presentation:

- Energy demand development: DNV ETO 2022 sees a build up until 2040. From 2040 on there will be first a stagnation and then a reduction of energy demand due to better technologies enabling a higher energy efficiency.
- Technology development in the marine fuel industry: DNV does not select a predominant fuel in shipping and does not exclude the option that there will be several technologies and fuels in the future.
- Future car engines: clear statement by DNV that there is only a minimal possibility that some technology enabling hydrogen and hydrogen arrives on the market → mainly electrified future for the road sector.

# Frontier Economics study for maritime industry

- Similar study as performed for FVV "Transformation of Mobility in the Climate-Neutral and Post-Fossil age" (Future Fuels: FVV Fuels Study IVb)
- First offer received (after delay due to illness)
- Ongoing discussion on financing

# Miscellaneous activities

## **Presentation of the DNV Alternative Fuel Insight platform**

- Overview of alternative fuel uptake (investment, bunkering)
- Platform only includes data from existing contracts, no modelling/outlook (planned in future)

## **White papers**

- Biofuels: first draft written (T. Schutte) and reviewed – final adjustments planned in June
- Methanol: first draft written by D. Schwarz – not yet reviewed
  - Discussion on formaldehyde high-level information for methanol white paper → contact to be initiated with WG5
- Batteries: not enough experience in group – contact to be initiated with Maritime Battery Forum on whether they already have a position or could supply the group with a paper concerning batteries