

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Country-level avoided PM2.5-attributable premature mortality and their 95% confidence intervals (CIs), due to full (All-transition scenario) or partial (Half-transition scenario) hydrogen transitions in the shipping sector.

File Name: Supplementary Data 2

Description: Country-level avoided O3-attributable premature mortality and their 95% confidence intervals (CIs), due to full (All-transition scenario) or partial (Half-transition scenario) hydrogen transitions in the shipping sector.

File Name: Supplementary Data 3

Description: Country-level avoided O3-attributable premature mortality and their 95% confidence intervals (CIs), due to full (All-transition scenario) or partial (Half-transition scenario) hydrogen transitions in the shipping sector when accounting for a high hydrogen leakage rate of 10%.

File Name: Supplementary Data 4

Description: Country-level economic benefits related to avoided PM2.5- and O3-attributable premature mortality and their 95% confidence intervals (CIs) under the All-transition and Half-transition scenarios.

File Name: Supplementary Data 5

Description: Country-specific baseline mortality rate for 2021 and their 95% confidence intervals (CIs).

File Name: Supplementary Data 6

Description: Country-specific Value of Statistical Life (VSL) of PPP (purchasing power parity) terms for the year 2022.