a. Trends in global and regional greenhouse gas emissions 38 Gt 42 Gt 59 Gt 53 Gt +0.7%/yr +2.1%/yr +1.3%/yr 60 2% 3% 5% Intl. Shipping & Aviation 6% GHG Emissions (Gt CO₂eq/yr) Australia, Japan, New Zealand 8% 7% Middle East 8% 10% Eastern Europe and West-Central Asia 9% 8% 7% Europe 14% 8% 13% 9% 30 Southern Asia 7% 16% 10% Africa 11% South-East Asia and Pacific 12% 7% 11% 14% Latin America and Caribbean 10% North America 19% 10 18% 27% 24% Eastern Asia 16% 13% 0 1990 2000 2010 2019 b. Avg. annual GHG emissions c. Change in annual GHG emission change level Vietnam China Indonesia India Indonesia Turkey ' Pakistan · Vietnam Iran, Islamic Rep. India Saudi Arabia Saudi Arabia Turkey China Pakistan Iran, Islamic Rep. Korea, Rep. Russian Federation Brazil Brazil Canada Korea, Rep. Russian Federation Canada Mexico · Mexico South Africa South Africa Australia Australia Japan France

