a. Total anthropogenic GHG emissions 1990-2019 38 Gt 41.9 Gt 52.1 Gt 58.3 Gt 58.3 Gt 58.4 Gt 55.9 Gt 60 4% 50 18% 19% 11% 40 -110% 20% 21% 30 12% 13% 20 . 65% 66% 62% 60% 10 0 gwp_ar6 gwp_ar5 gwp_ar2 1990 2000 2010 2019 CO₂ FFI CO2 LULUCF CH4 N20 Fgas 3 2

2010

2000

1990

2010

1990

2000

2010

1990

2000

2010

1990

2000

Greenhouse gas emissions (GtCO2eq/yr)

Emissions (original units, relative to 1990)

1990

2000

2010