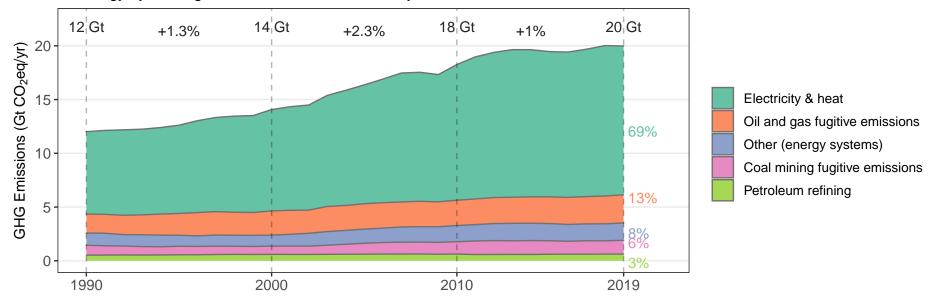
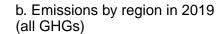
## a. Energy systems global GHG emission trends by subsectors





Per capita GHG emissions % of tot. sector (tCO2eq/capita) **GHG** emissions A. Pacific -4% Africa 6% 34% E. Asia -Eurasia -9% Europe -8% Latin Am. -4% Middle E. 9% N. America -13% 8% S. Asia -S.E. Asia -6% 40 15 20 25 20 10 0 World average

c. Avg. annual change in kaya factors 2010-2019 (CO2 only)

CO2	Carbon intensity	Energy intensity	Energy cons.	GDP/ pop	Population
-0.3%	+1.9%	-3.5%	-2.2%	+1.2%	+0.1%
+1.6%	-1.1%	-0.5%	+2.7%	+0.6%	+2.7%
+3.9%	-0.4%	-2.1%	+4.3%	+6.2%	+0.3%
-0.7%	-0.8%	-2.1%	+0.1%	+1.5%	+0.6%
-3.2%	-1.5%	-3.5%	-1.7%	+1.5%	+0.3%
-0.1%	-0.1%	-1.1%	+0%	+0.2%	+1%
+2.3%	-0.1%	+0.3%	+2.3%	+1%	+1.1%
-2.9%	-2.4%	-2.6%	-0.4%	+1.5%	+0.7%
+4.6%	+0.8%	-2.2%	+3.8%	+5%	+1.1%
+5.8%	+1.8%	-1%	+4%	+3.8%	+1.2%
10.070	11.070	170	1 170	10.070	11.270

Growing (> +1%/yr) Stable ( $\sim 0\%/yr$ )

Declining (< -1%/yr)