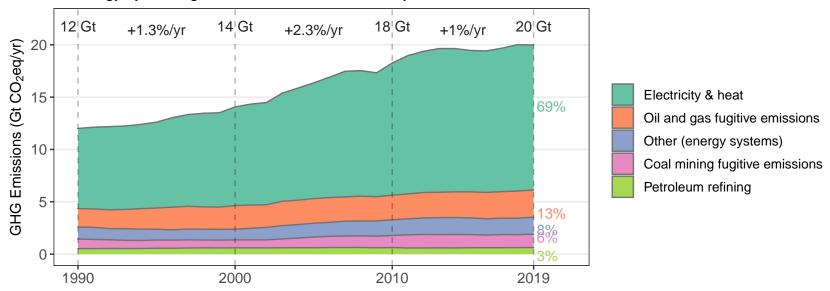
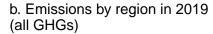
a. Energy systems global GHG emission trends by subsectors





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

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

CO2	Carbon intensity	Energy intensity	Energy cons.	GDP/ pop	Рор
-0.3%	+1.9%	-3.5%	-2.2%	+1.2%	+0.1%
+1.5%	-0.6%	-1.1%	+2.1%	+0.8%	+2.4%
+3.9%	-0.4%	-2.1%	+4.3%	+6.1%	+0.5%
-0.7%	-0.8%	-2%	+0%	+1.6%	+0.5%
-3.2%	-1.5%	-3.5%	-1.6%	+1.5%	+0.3%
+0.2%	-0%	-1.1%	+0.2%	+0.3%	+1.1%
+3.1%	+0%	+0.6%	+3.1%	+0.2%	+2.3%
-2.9%	-2.4%	-2.6%	-0.4%	+1.5%	+0.7%
+4.6%	+0.8%	-2.3%	+3.8%	+4.9%	+1.2%
+5.8%	+1.8%	-1%	+3.9%	+3.8%	+1.1%
+1.2%	-0.2%	-1.9%	+1.4%	+2.3%	+1.2%
Ŧ1.Z /0	-0.270	-1.970	T1.470	TZ.3 /0	T1.Z/0

World average

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

Declining (< -1%/yr)