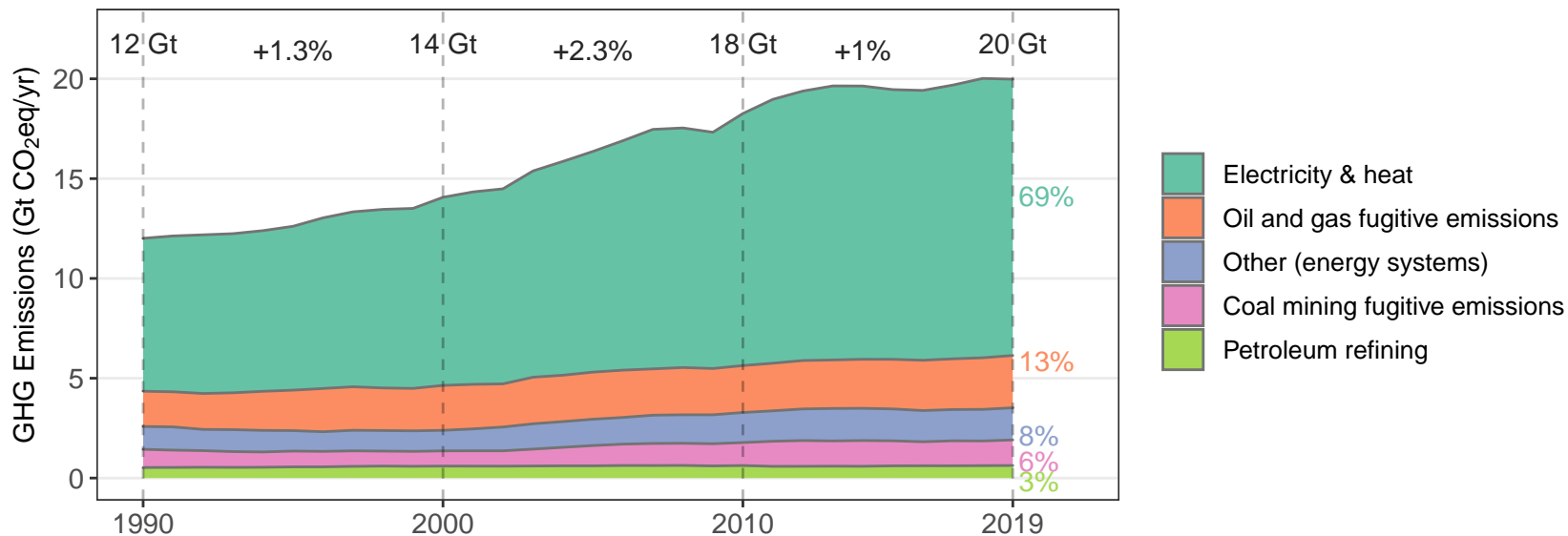
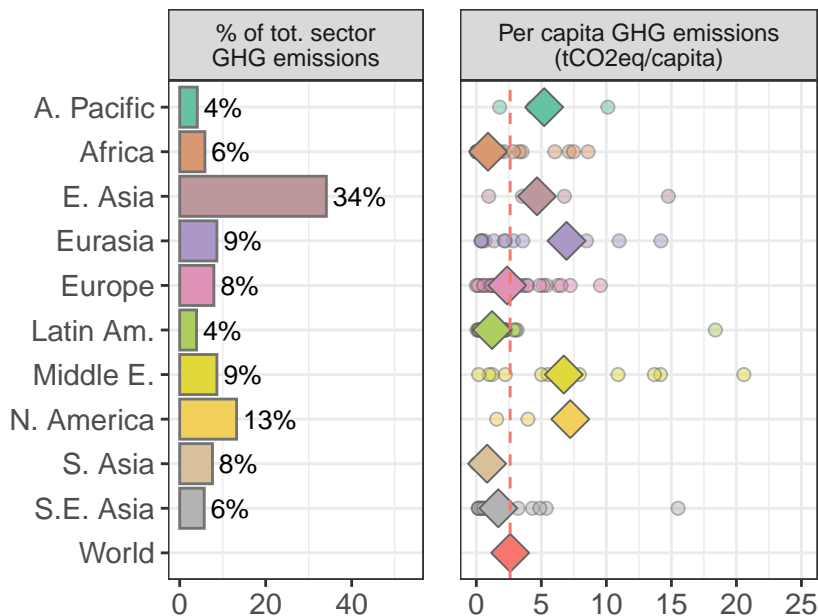


a. Energy systems global GHG emission trends by subsectors



b. Emissions by region in 2019  
(all GHGs)



c. Avg. annual change in kaya factors 2010–2019  
(CO<sub>2</sub> only)

CO <sub>2</sub>	Carbon intensity	Energy intensity	Energy cons.	GDP/pop	Pop
-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%

-- World average

● Growing (> +1%/yr)

● Stable (~0%/yr)

● Declining (< -1%/yr)