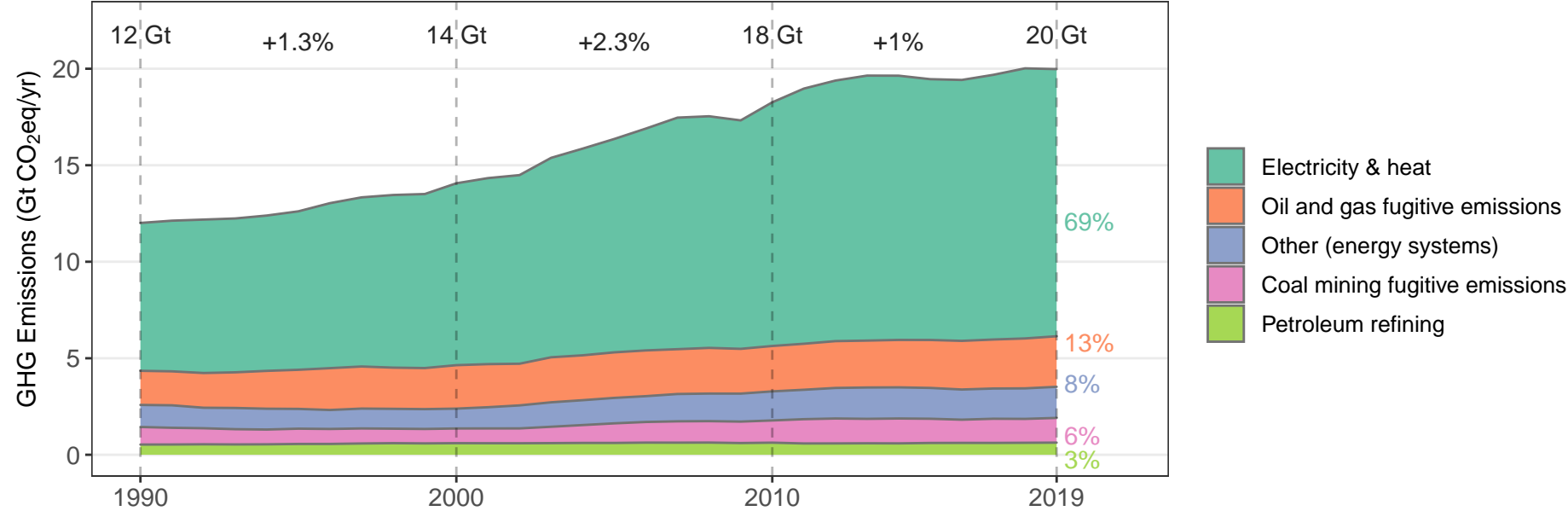
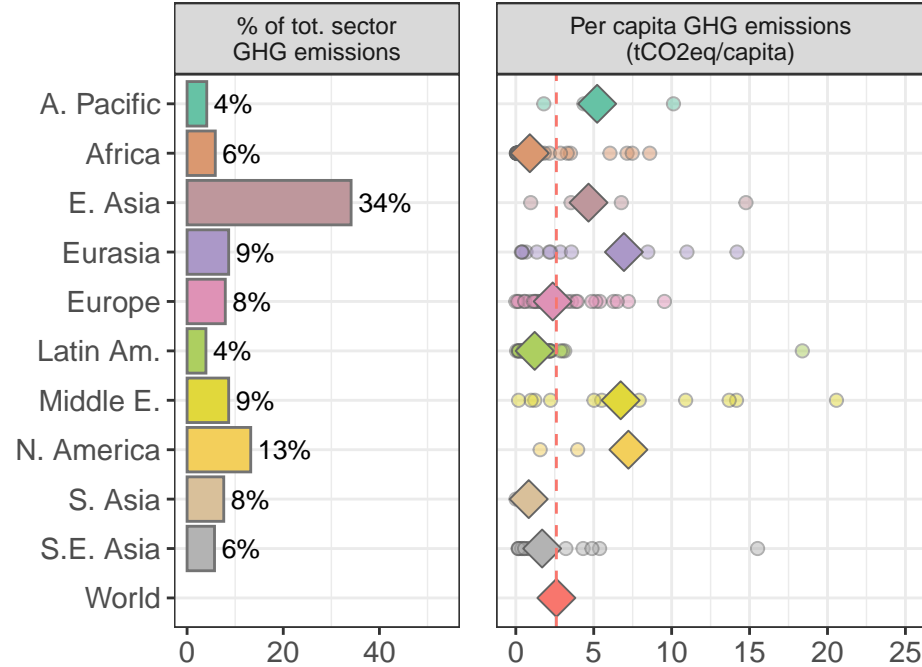


a. Energy systems global GHG emission trends by subsectors



b. Emissions by region in 2019 (all GHGs)



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

CO2	Carbon intensity	Energy intensity	Energy cons.	GDP/ pop	Population
+1.2%	−0.2%	−1.9%	+1.4%	+2.3%	+1.2%
−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%

● Growing (> +1%/yr)   ● Stable (~0%/yr)   ● Declining (< −1%/yr)