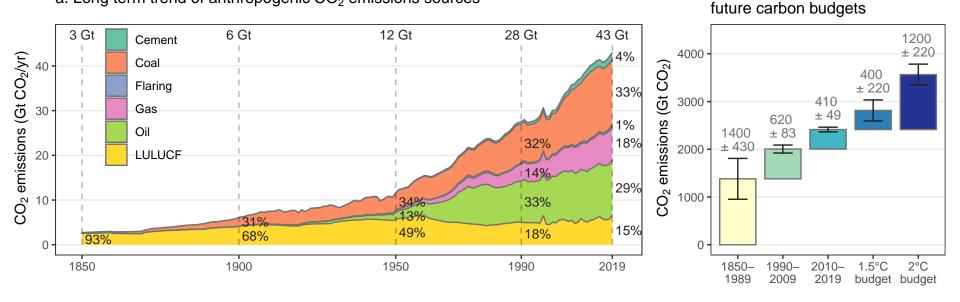
a. Long term trend of anthropogenic CO₂ emissions sources



b. Historic emissions vs.

c. Carbon budget exceedance under different assumptions of current emissions, reduction rates and uncertainty

Budget	Variable	-0%/yr reductions	-2%/yr reductions	-5%/yr reductions
1.5°C (67%)	Budget exceedance year	2029 (2023–2036)	2030 (2023–2040)	2033 (2024-NA)
1.5°C (67%)	Net zero emissions year	NA	2070	2040
1.5°C (67%)	Overshoot (GtCO2)	3100 (3700–2400)	670 (1000–330)	45 (290–0)
2.0°C (67%)	Budget exceedance year	2046 (2039–2056)	NA (2045-NA)	NA (NA-NA)
2.0°C (67%)	Net zero emissions year	NA	2070	2040
2.0°C (67%)	Overshoot (GtCO2)	2300 (3000–1700)	0 (290–0)	0 (0-0)