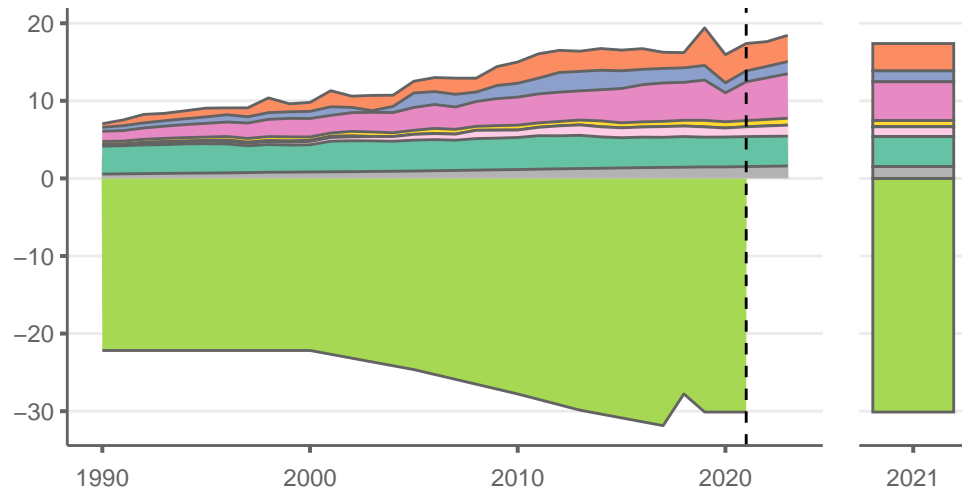


# Panama

Greenhouse gas emissions (MtCO<sub>2</sub>e/year)



Panama released an estimated 18.4 MtCO<sub>2</sub>e in 2023 (excluding LULUCF), a change of +4.6 % compared to the previous year. Per capita GHG emissions were 4.1 tCO<sub>2</sub>e in 2023, while cumulative historic CO<sub>2</sub> emissions were 2.08 GtCO<sub>2</sub>, representing about 0.081% of global emissions to date. Sources: EDGAR v9, GCB 2023, UNFCCC, Grassi et al. 2021