

Figure S1: Emissions of NO (Tg yr<sup>-1</sup>) from megacities considered in this study. The legend is read from bottom left to top left, then bottom right to top right.

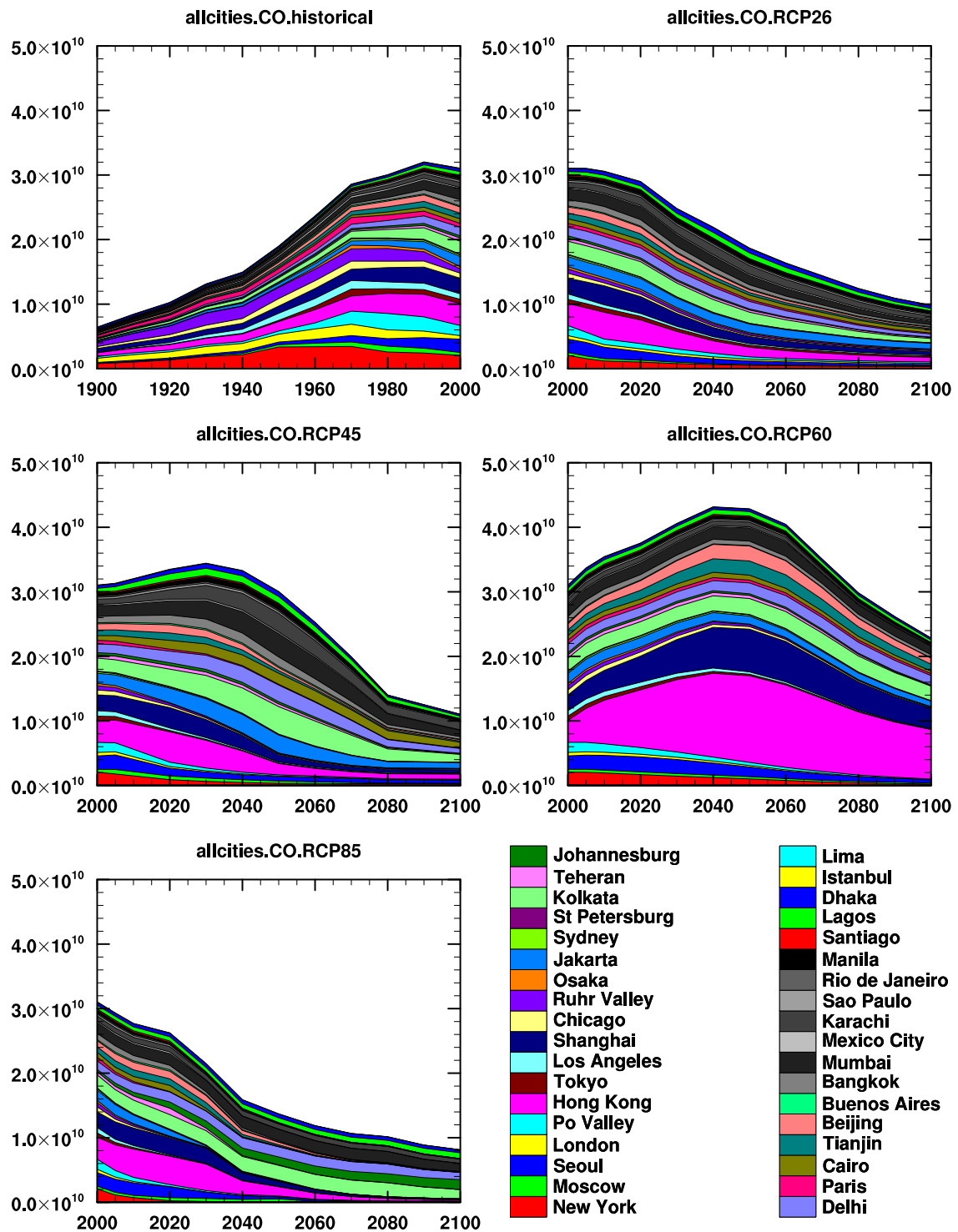


Figure S2: Emissions of CO (Tg yr<sup>-1</sup>) from megacities considered in this study. The legend is read from bottom left to top left, then bottom right to top right.

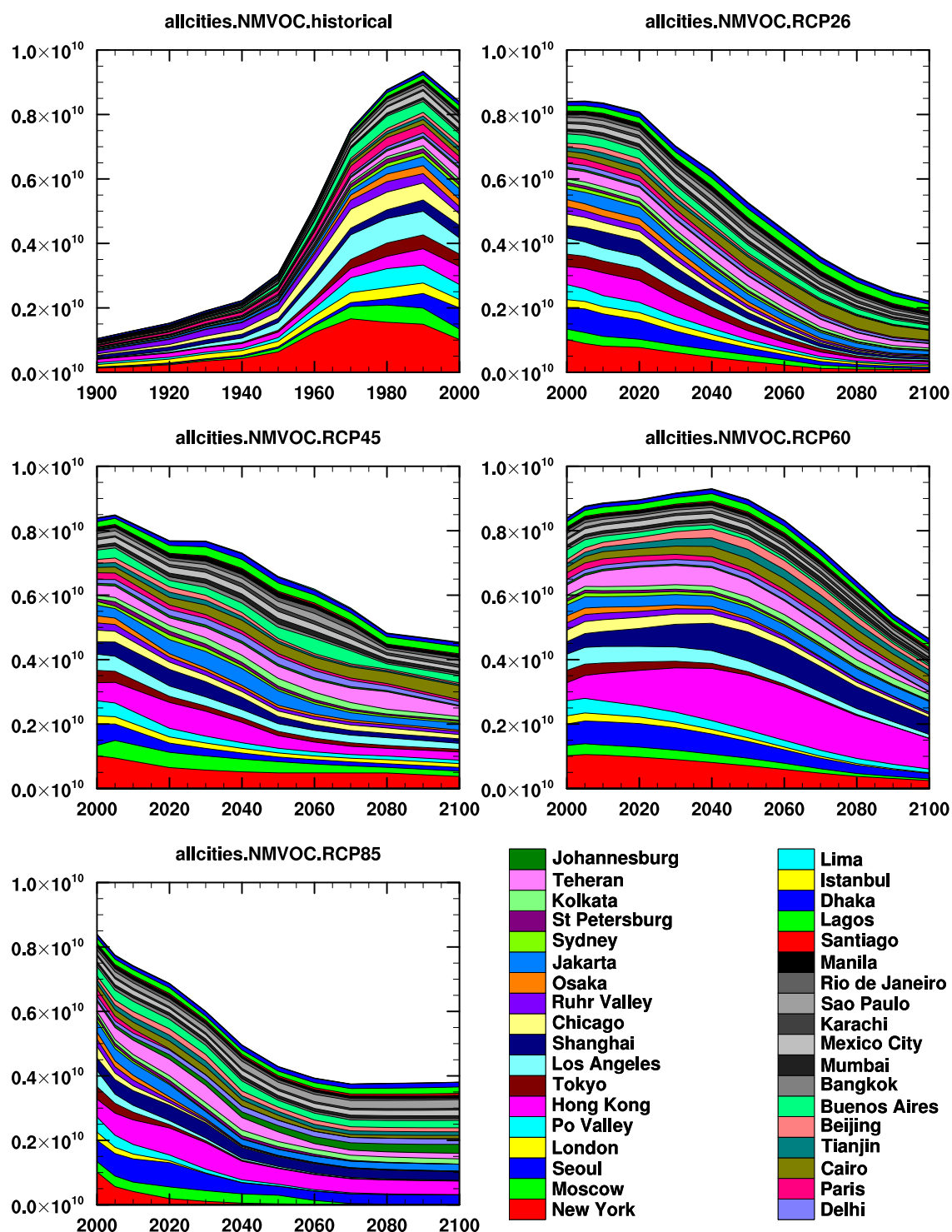


Figure S3: Emissions of NMVOC ( $\text{Tg yr}^{-1}$ ) from megacities considered in this study. The legend is read from bottom left to top left, then bottom right to top right.

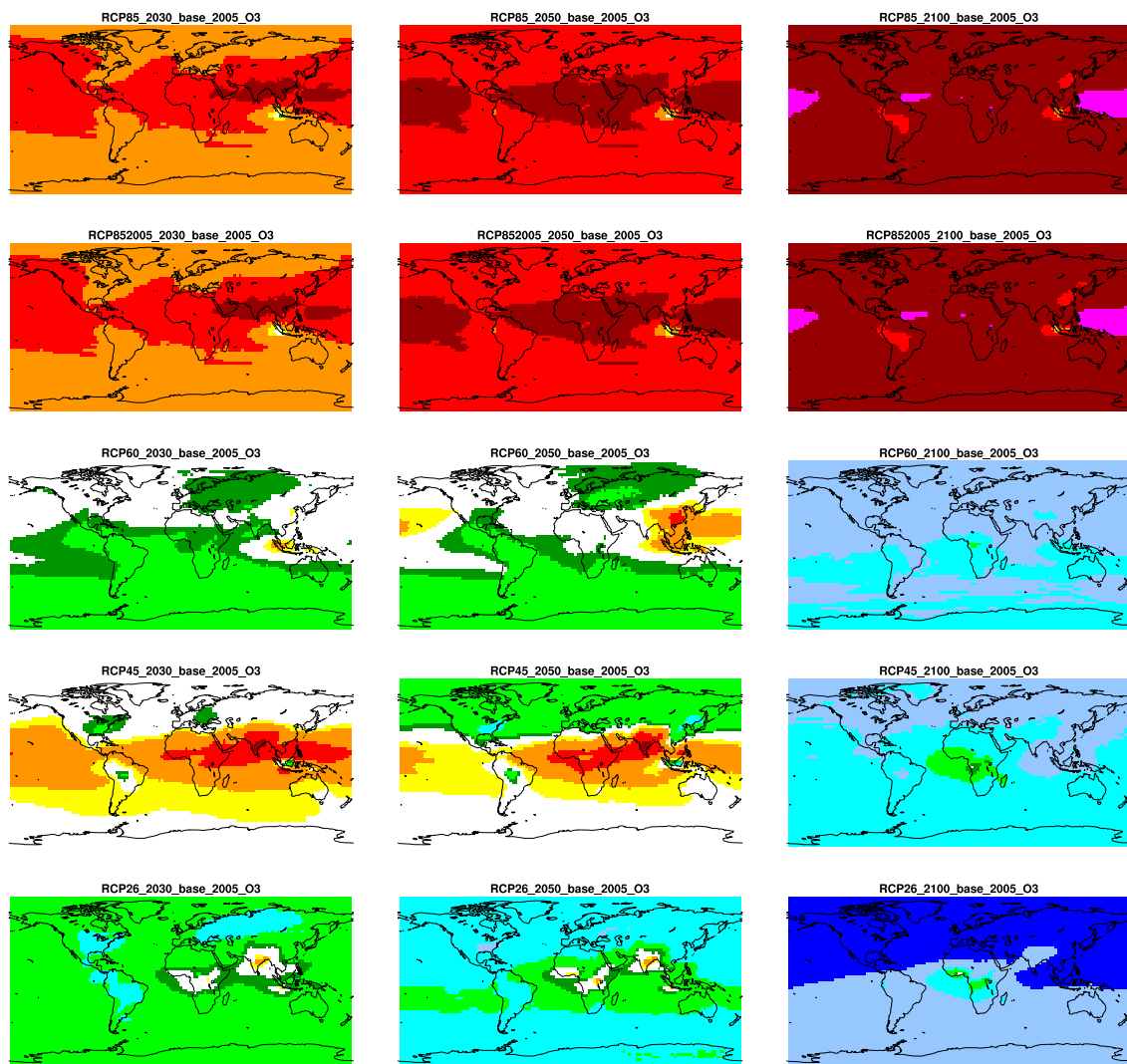


Figure S4: Tropospheric ozone column density from (top to bottom) RCP-8.5, RCP-8.5-P, RCP-6.0, RCP-2.6, and RCP-4.5 for years (left to right) 2030, 2050, and 2100 compared with 2005 (percentage change).

