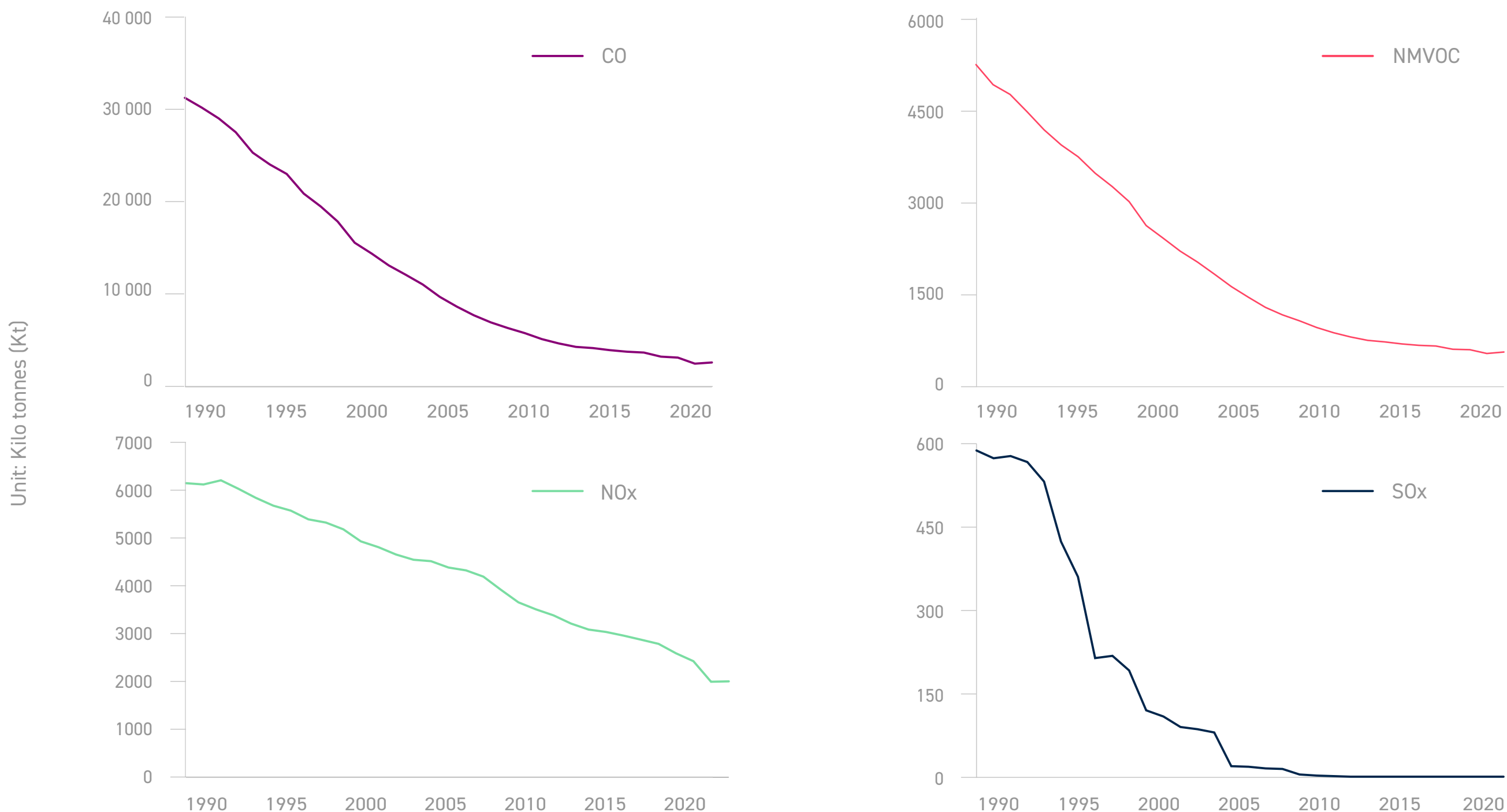


FIG.39b

# SINCE 1990, FUELS ARE PROGRESSIVELY BECOMING CLEANER RESULTING IN EXHAUST EMISSIONS REDUCTION BY OVER 80%

Source: European Environmental Agency



Since 1990 the refining industry has contributed to cleaner exhausts by today containing 99% lower SOx, 90% lower NMVOC & CO, and 67% lower NOx emissions.

These significant improvements are the result of the partnerships with the automotive industry aiming at improving the fuel-engine efficiency and leading to multiple environmental benefits. The travel restrictions imposed due to the Covid pandemic caused a significant reduction in emission values. However, despite travel restrictions being lifted and vehicles returning to the road, emissions have continued to decrease compared with pre-pandemic values. CO emissions have decreased by 15%, NMYOC by 7%, and NOx by 17% between 2021 and 2019. SOx emissions have plateaued since 2012.