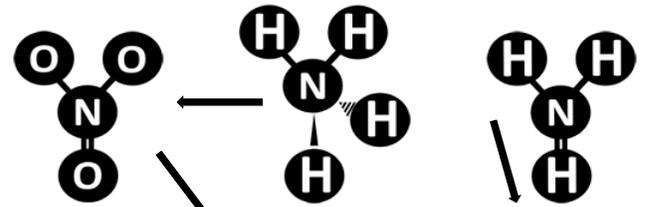


Important to assess multiple species of Nr simultaneously to understand overall national emission trends



REACTIVE NITROGEN

NITRATE AMMONIUM AMMONIA

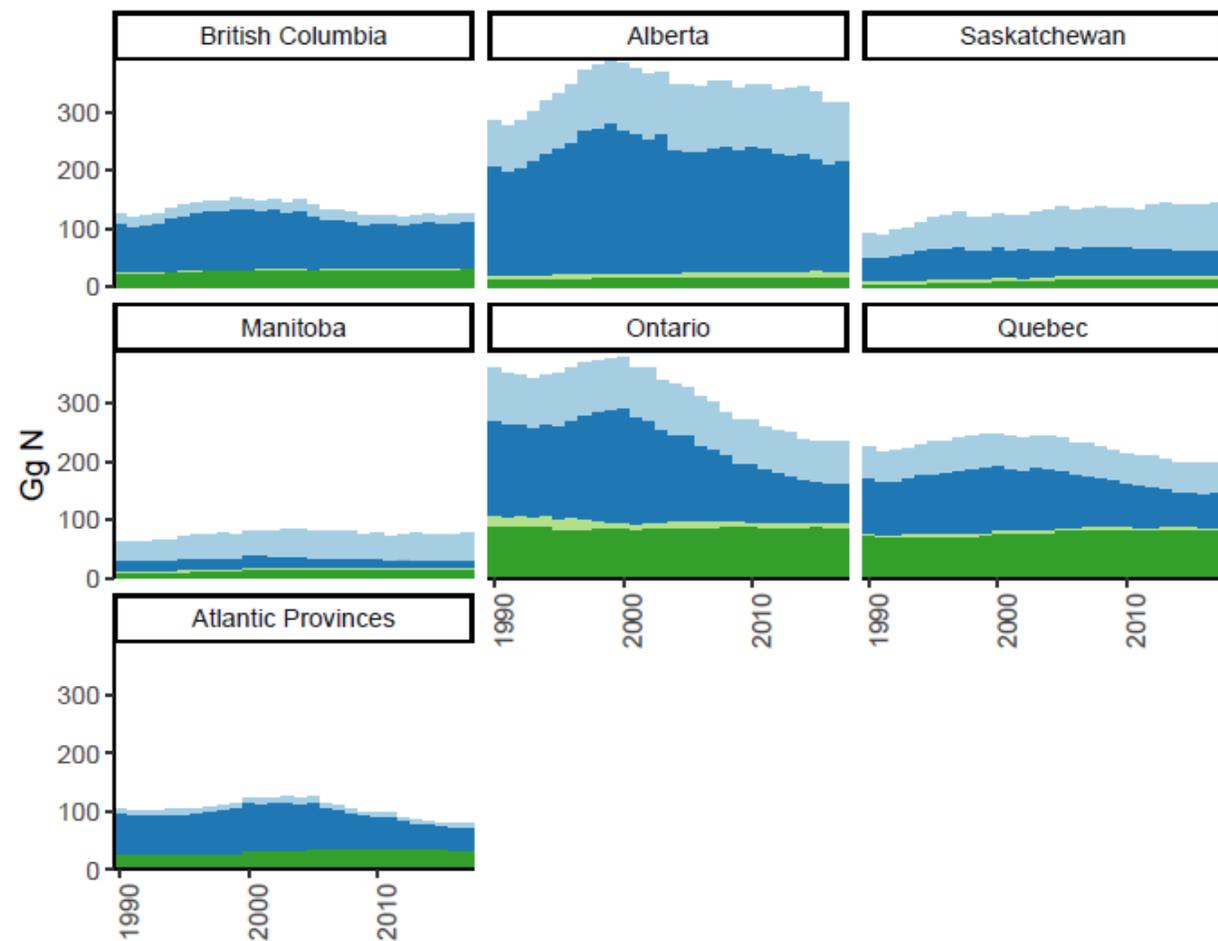
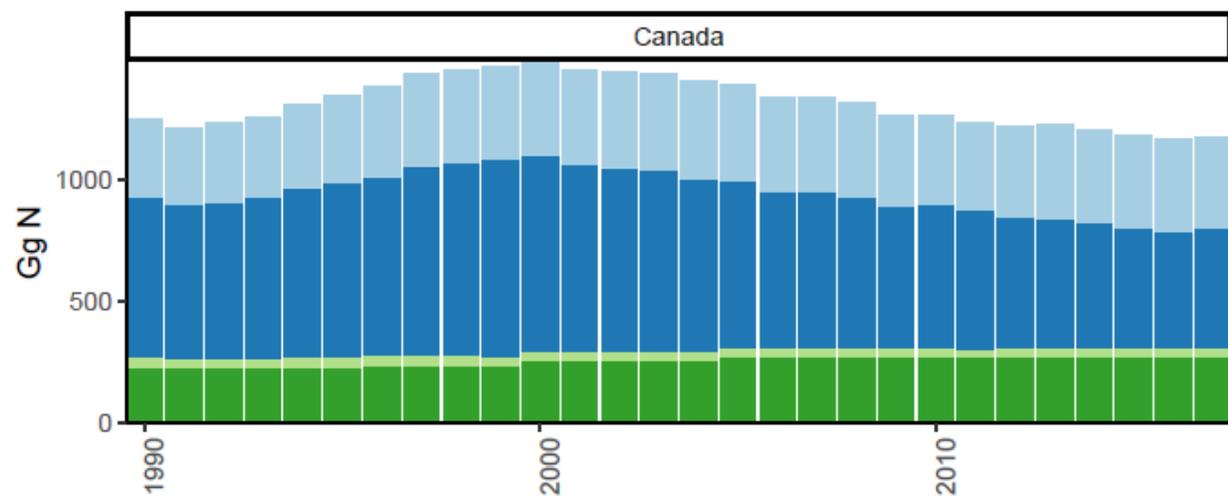


NITROUS OXIDE NITRIC OXIDE



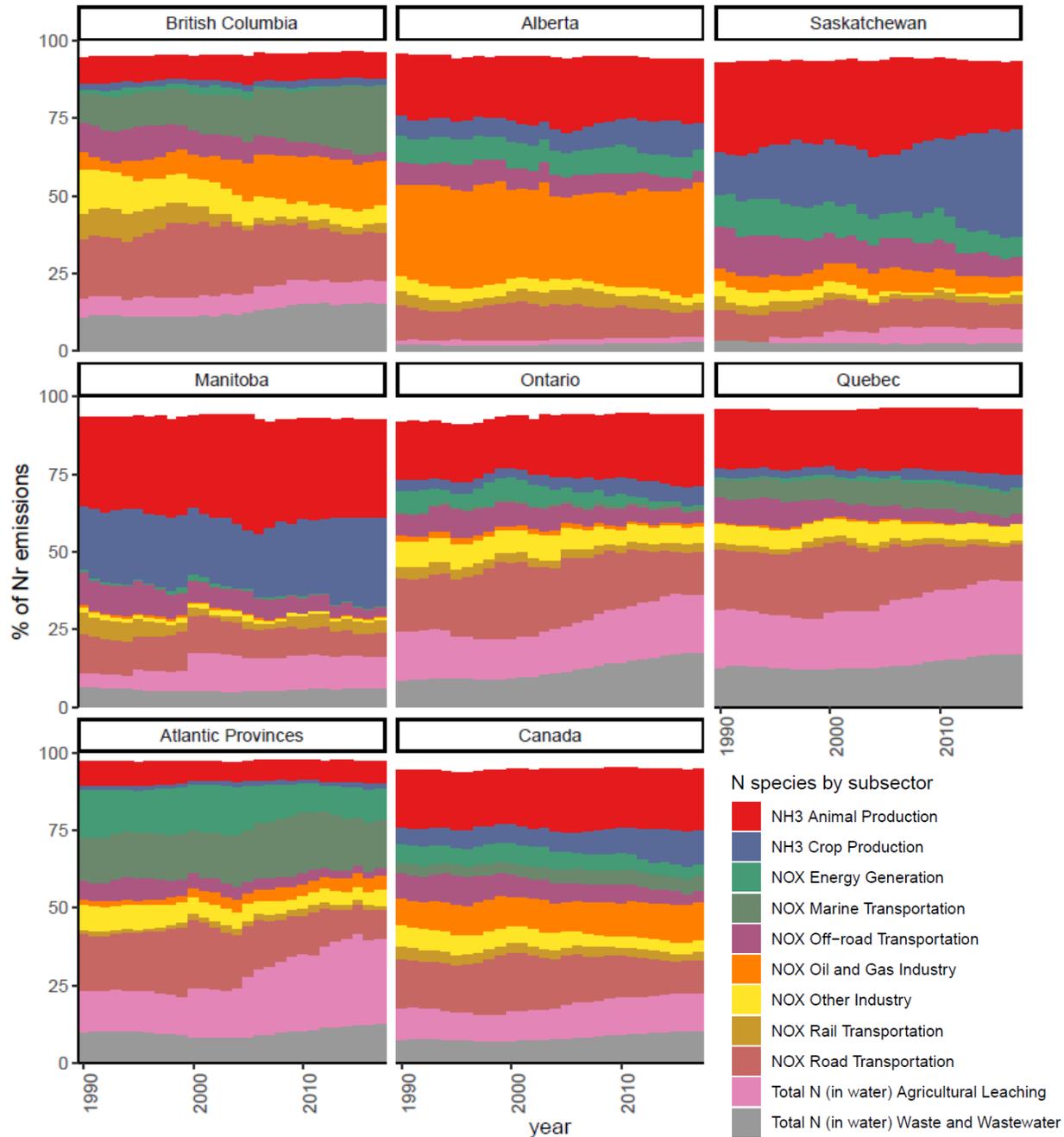
Nationally, main source of Nr changing from NO_x to NH_3

Heterogeneity in provincial total emissions, trends



N species NH3 NOX N2O Total N (in water)

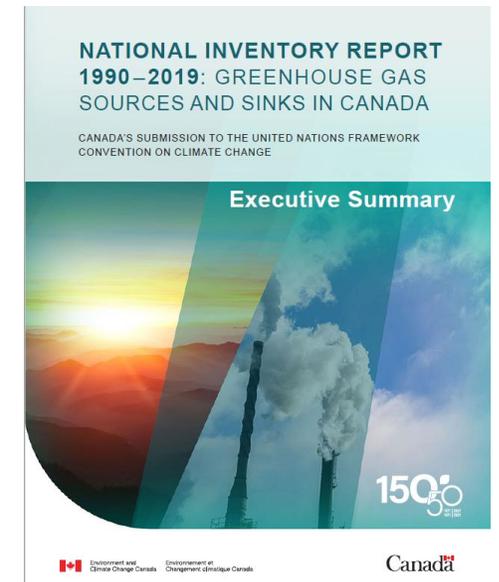
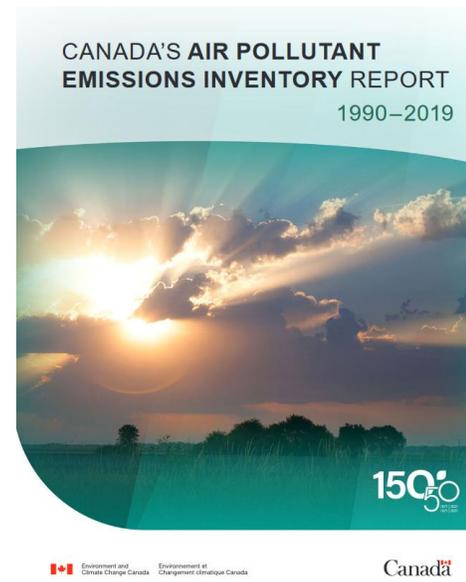
Primary sources of Nr emissions by province and year



Comprehensive subnational Nr accounting allows for assessment of “big picture” trends

Currently Canadian nitrogen policy is fragmented

Federal and provincial policies need to match geographic heterogeneity



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