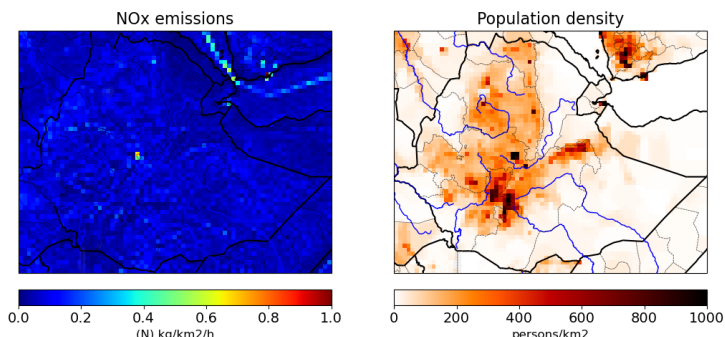


ETHIOPIA

Info sheet provided by the IMPALA team.
 (https://www.temis.nl/emissions/region_africa/impala.php)



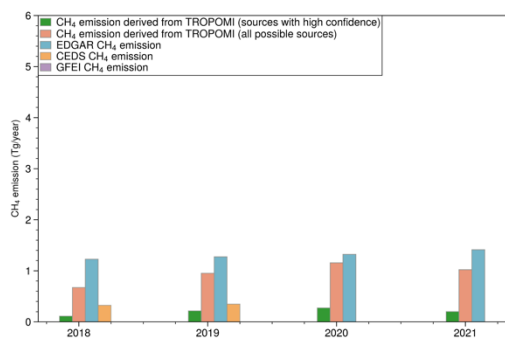
Emission country totals

CH₄ = 0.1-0.7 Tg/yr (2018)
 CH₄ = 0.2-1.0 Tg/yr (2019)
 CH₄ = 0.3-1.2 Tg/yr (2020)
 CH₄ = 0.2-1.0 Tg/yr (2021)
 Isoprene = 5.2 Tg/yr
 Total NO_x = 637 (N)Gg/year (2019)
 Soil NO_x = 154 (N)Gg/year (2019)

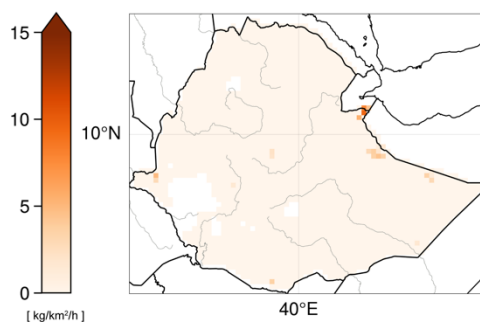
Emissions in Ethiopia

Emissions in Ethiopia are mostly from agricultural origin. Methane from livestock and rice paddies, while NO_x emissions originate a lot from the agricultural soil. NO_x emission from the cities Addis Ababa and Mekele. Close to Mekele is also a cement factory located, which adds to the NO_x emissions. Almost no emissions from energy or industry are reported in bottom-up emission inventories.

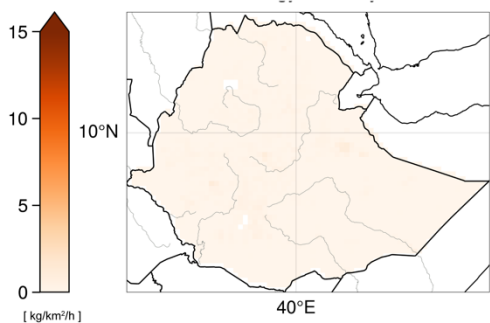
The number of valid observations of TROPOMI over Ethiopia is typically less than 10 days in a year, which makes it difficult to detect agricultural and waste emissions (typically less than 5kg/km²/h) using TROPOMI observations in mountain areas. However, TROPOMI still show small methane sources like the one at Addis Ababa.



CH₄ total emission derived from TROPOMI in 2019



EDGAR CH₄ emission from energy and industry in 2019



EDGAR CH₄ emission from agriculture and waste in 2019

