



**Methodology note:**  
This map shows the drop in nitrogen dioxide (NO2) using remote sensing comparing average concentration of NO2 between the 15th of March-15th of April 2019 and the same period in 2020 after the start of COVID-19 restrictions aggregated at the oblast level. The map shows a significant decrease of the pollutant caused by burning of fossil fuels (vehicles and industries) across eastern Ukraine with the largest drop (14%) recorded in Donetsk. Chronic exposure to NO2 can cause respiratory or lung diseases.

**Data sources:**  
Nitrogen Dioxide concentration: Sentinel-5P NO2 column number density averaged over one month using Google Earth Engine  
Administrative boundaries: OCHA

Coordinate System: WGS 1984 UTM Zone 37N  
File: REACH\_UKR\_map\_EastUkraine\_NO2drop\_11MAY2020\_A3  
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**Note:** Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by the REACH partners, associated, donors mentioned on this map.

