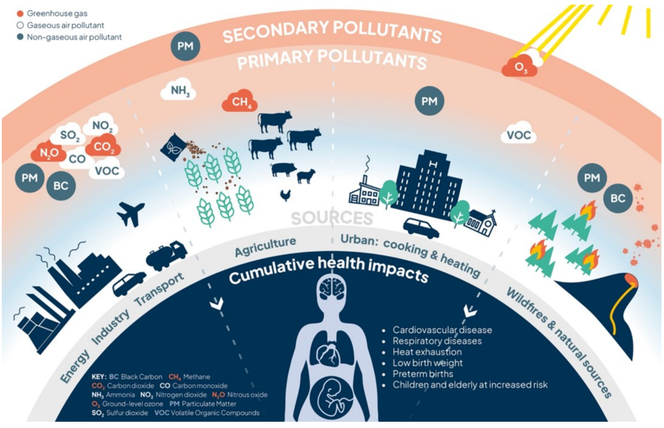
Air quality satellites for policy and health

BIRA·IASB

Air pollution is detrimental for health, biodiversity, and climate



European, national, and local policy aims to reduce emissions and improve air quality

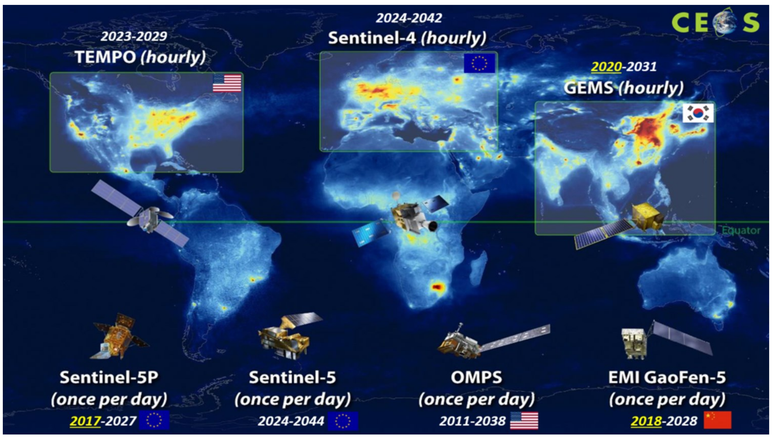


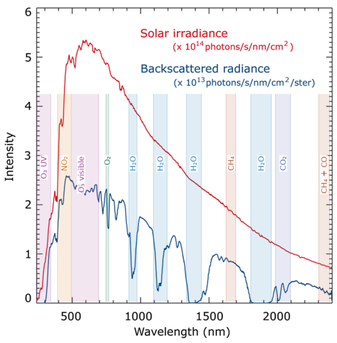




Can we objectively measure air quality improvements ?

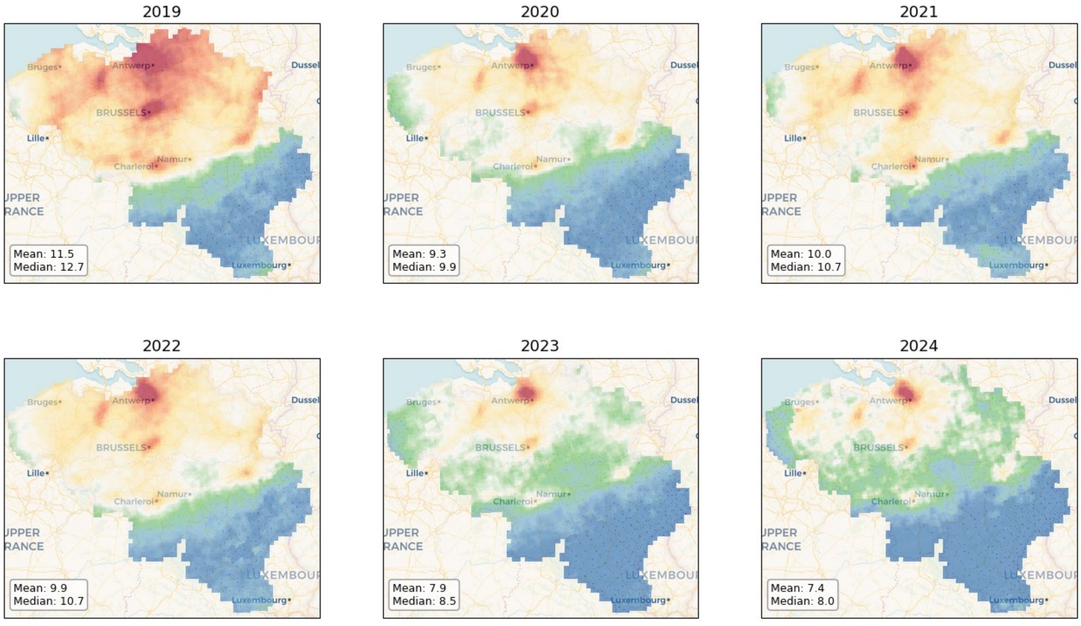
A constellation of satellite missions monitors the Earth's atmosphere





Missing reflected sunlight carries the signal of pollution compounds.

We derive near-surface NO_2 from these satellite observations and see clear improvements over Belgium:



Copernicus

sentinel-up

irCELine



belspo .be