

DATE  
2024

# Paris No car Day

Impacts on CO<sub>2</sub> emissions



A study by  
origins.earth



Public policy study

# Objective?

Initiated in 2015, this public policy aims to organize one day per year, a car-free day within the perimeter of Paris "Intramuros". From 11 am to 6 pm, traffic is suspended with exceptions for a few vehicles.

We aimed to :

- Quantify the impact of this policy on CO<sub>2</sub> emissions.
- Evaluate its contribution to the overall trend and the global objective of GHG emission reduction
- Understand the potential effects of stepping up this action

## Results

# What did we get ?

**-25%**

### Of CO<sub>2</sub> emissions on this day

Since 2016 the no car day can reduce the total CO<sub>2</sub> emissions from road transportation sector by up to 25 % (within this 24-hours period). This represents an absolute reduction of around 900 TCO<sub>2</sub>e

**7,3%**

### Of the objective of reduction

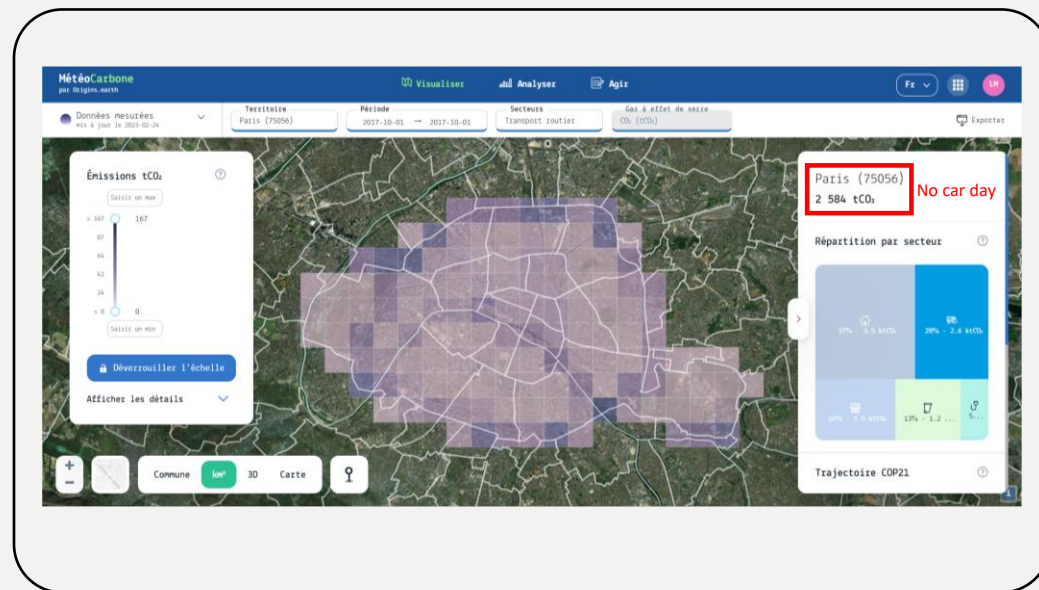
If the policy were extended to all Sundays in September and October, the overall reduction in emission would contribute to 7,3 % of the annual target.

**43 660**

### TCO<sub>2</sub>

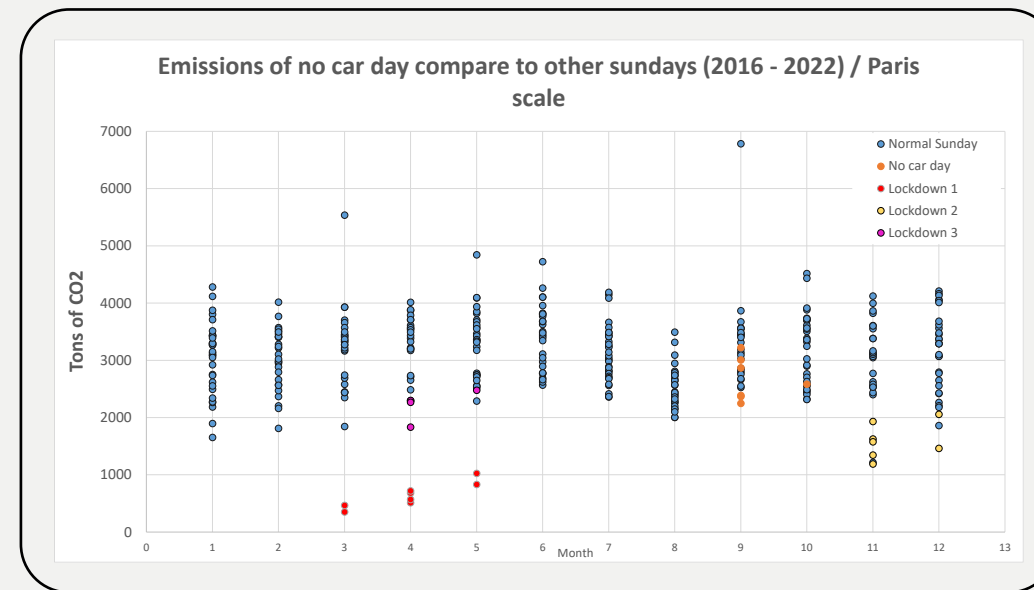
It's the absolute value of tons of CO<sub>2</sub> that could be avoided each year if the no car day were applied each Sunday.  
(Policy extension)

# How did we get it ?



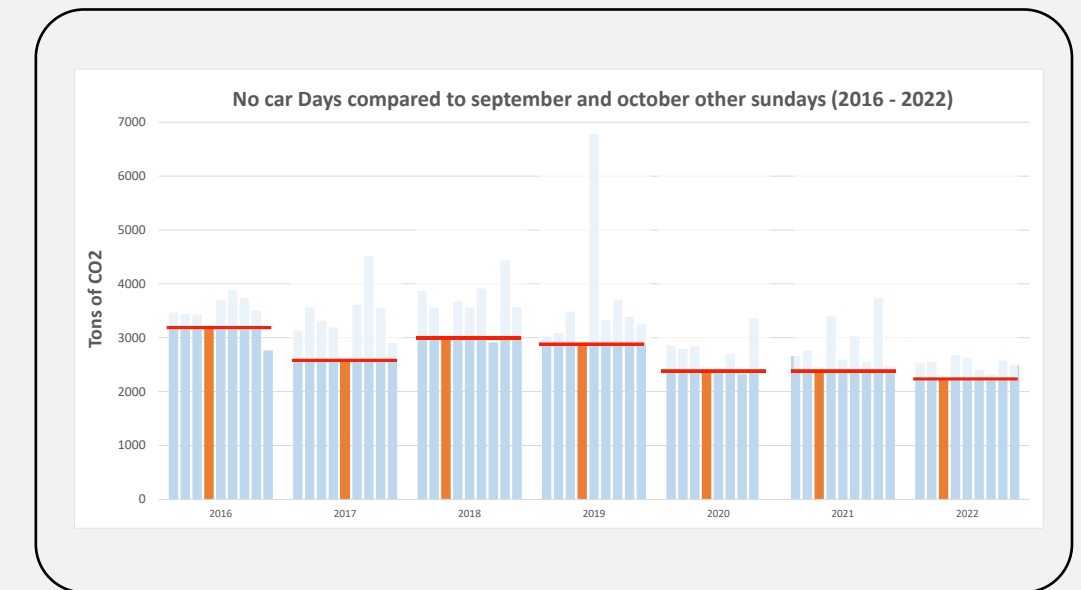
## A continuous measurement since 2016

Thanks to the network installed since 2016 over Paris and the use of the technology chain over 7 years, we have analysed 7 occurrences of the policy and compared them to a sample of “normal days”



## Big data and statistic analyses

By isolating Sundays, year after year and the occurrences of the free-car day, we can calculate average and absolute differences.



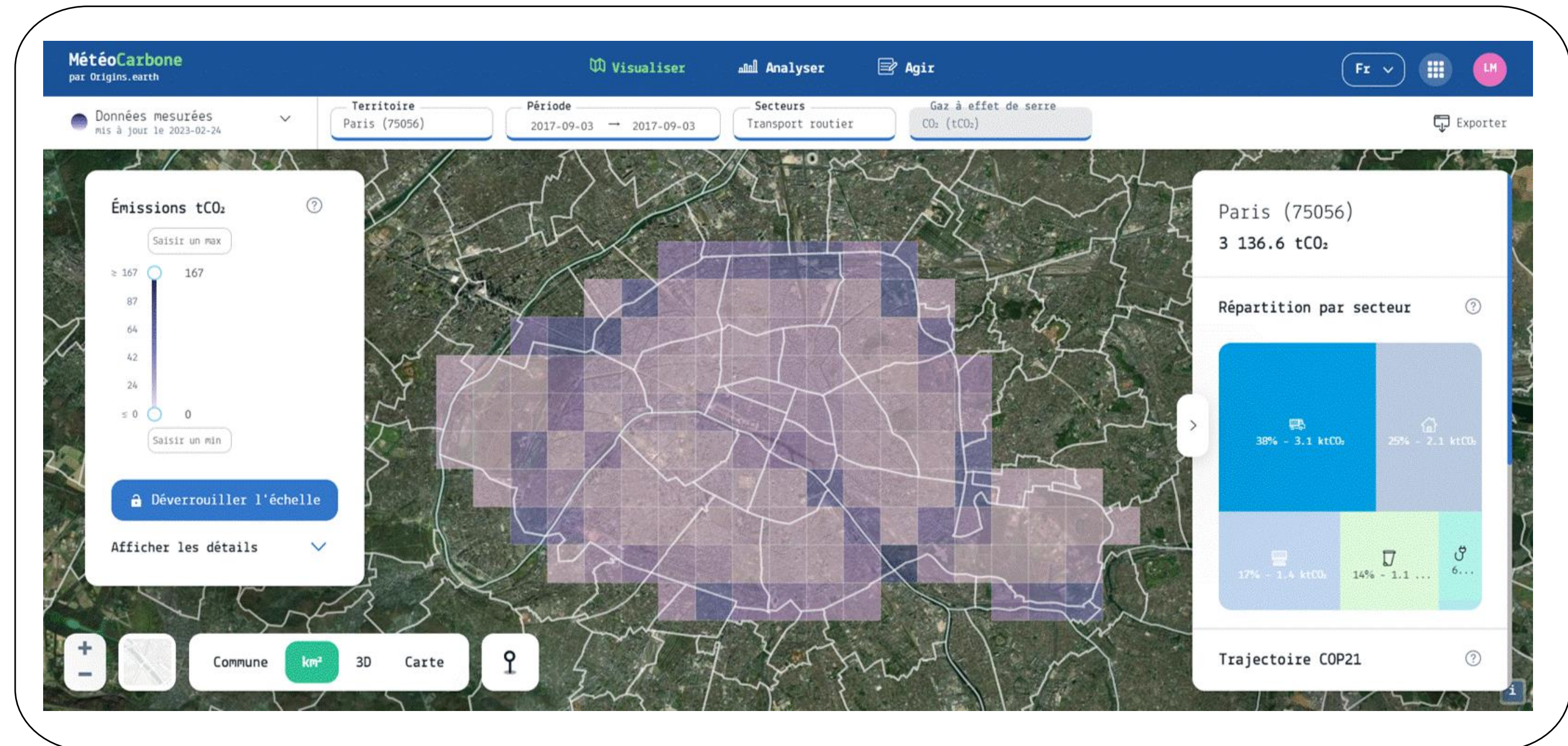
## Scenarisation

We can apply the daily policies to past emissions and retro calculate the potential emissions avoided (if the policy had been implemented differently during this period).

# A little zoom

## An easy quick assessment

In terms of communication, using the results through our platform, allows everyone to visualize really easily and quickly the impact when the policy occurs...





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