Edouard Civel,
First Deputy Mayor of Paris 5th District
Economist at École Polytechnique & Climate Economics Chair
Structure of the Parisian carbon footprint

**Carbon footprint of Paris in 2014 (million tonnes of CO₂)**

- **AIR TRANSPORT:** Passengers + Goods - 8,7
- **RESIDENTIAL:** - 2,1
- **TERTIARY:** - 2,0
- **RETAIL:** - 1,5
- **TRANSPORT WITHIN PARIS:** - 1,3
- **UPSTREAM ENERGY:** - 1,3
- **WASTE:** - 0,4
- **INDUSTRY:** - 0,1
- **OUTER PARIS ON ROAD TRANSPORT:** - 3,4
- **FOOD CONSUMPTION:** - 4,8
Road transport lowering emissions enable a progressive improvement of the air quality

Evolution of various air pollutant concentrations

NOx emissions by source in the Paris Region
Evolution of mobilities and public space in Paris

- **Summer terraces**
- **Pop-up bicycle lanes**
- **Low Emission Zone**
- **Limited traffic area**

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</table>
Evolution of mobilities and public space in Paris

1/4 Summer terraces and pedestrianization

- Authorization for merchants to occupy parking spaces and sidewalks in front of their stores.
- Only from early April to October end.
- Reduction of the public space devoted to individual cars...
- Tensions with local residents: noise, occupation of sidewalk, aesthetics...
Evolution of mobilities and public space in Paris
2/4 Pop-up bicycle lanes

- In the wake of COVID19, development of « corona-lanes »
- Strong increase of bicycle use
- But mostly from public transit
- Challenges with public bus stations
- Management of delivery slots
Evolution of mobilities and public space in Paris

3/4 Low Emission Zone

- Applied to the whole metropolitan region
- Progressively forbids most polluting cars
- Effective regarding air quality
- Strongly regressive for poor households
- The next *casus belli* for « yellow vest »?
Evolution of mobilities and public space in Paris: 4/4 Limited Traffic Area

- Forbidding transit traffic in Paris center
- Issue of enforcement
- Issue of traffic shift to other neighborhoods: bad feedback from pedestrianization of the riverbank

L. Bou Sleiman et al., 2021.
Evolution of mobilities and public space in Paris
The devil is in the details!

- **Summer terraces**

- **Pop-up bicycle lanes**

- **Low Emission Zone**

- **Limited traffic area**