

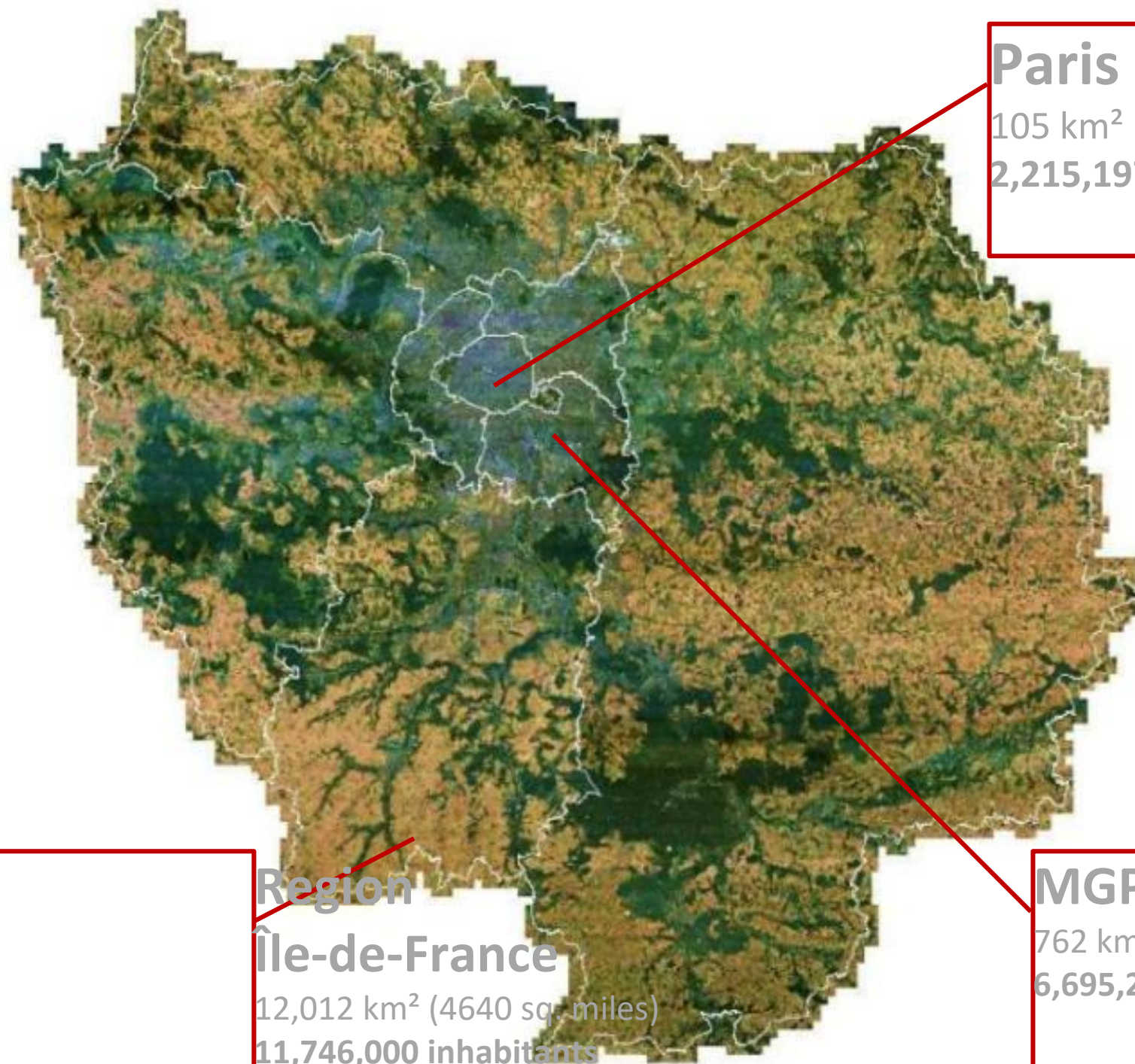
HOW TO BE CARBON NEUTRAL BY 2050 ?

PARIS' VISION

2nd annual meeting of GPSC
Climate Change Dimension of Integrated Planning:
Paris Agreement and city actions



Paris and its region



Paris

105 km² (40.5 sq. miles)
2,215,197 inhabitants

Region Île-de-France

12,012 km² (4640 sq. miles)
11,746,000 inhabitants

MGP

762 km² (295 sq. miles)
6,695,236 habitants

1st Climate Actions Plan of Paris - commitments

Adopted unanimously 1st October 2007 and 11th December 2012

 **-75% GHG emissions by 2050 compare to 2004**

 **Adapt Paris**
to **climate change**
and **resources scarcity**

 **-25%** GHG emissions by 2020 compare to 2004

 **-25%** energy consumption by 2020/2004

 **25%** of renewable energies in the mix

PARIS' CAP
**+10 YEARS
OF ACTIONS**



PARIS'
CLIMATE
ACTIONS
PLAN

1st Climate Action Plan - a comprehensive strategy



URBAN PLANNING FOR ENERGY EFFICIENCY

10% of Paris on high energy performances



LOW ENERGY AND AFFORDABLE HOUSING

36,000 social housing units retrofitted



THE TERTIARY SECTOR IN PARIS, A NEW CHALLENGE

Partnership contract with 49 major enterprises : 750,000 tCO₂e avoided



TOWARDS AIR QUALITY AND CLIMATE-FRIENDLY MOBILITIES

-39% of GHG emissions by 10y, NO diesel inside Paris by 2024



TOWARDS SUSTAINABLE CONSUMPTION, LESS WASTE-GENERATING

Decrease food waste and 1st organic food public purchaser



AN ADAPTATION STRATEGY

No Parisians far away of 7' walk from a cool place

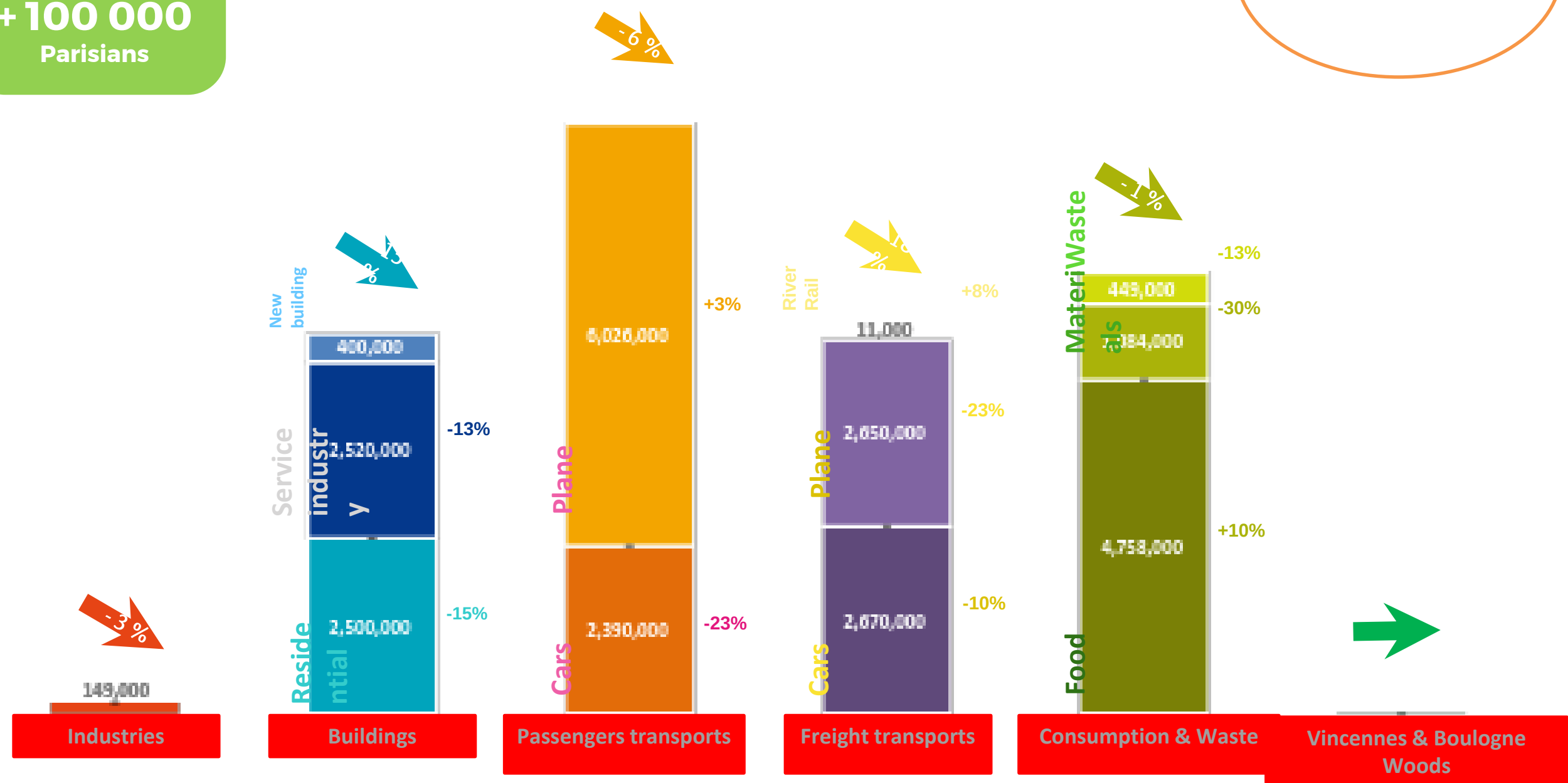
Paris carbon footprint – 2014

3 Scopes

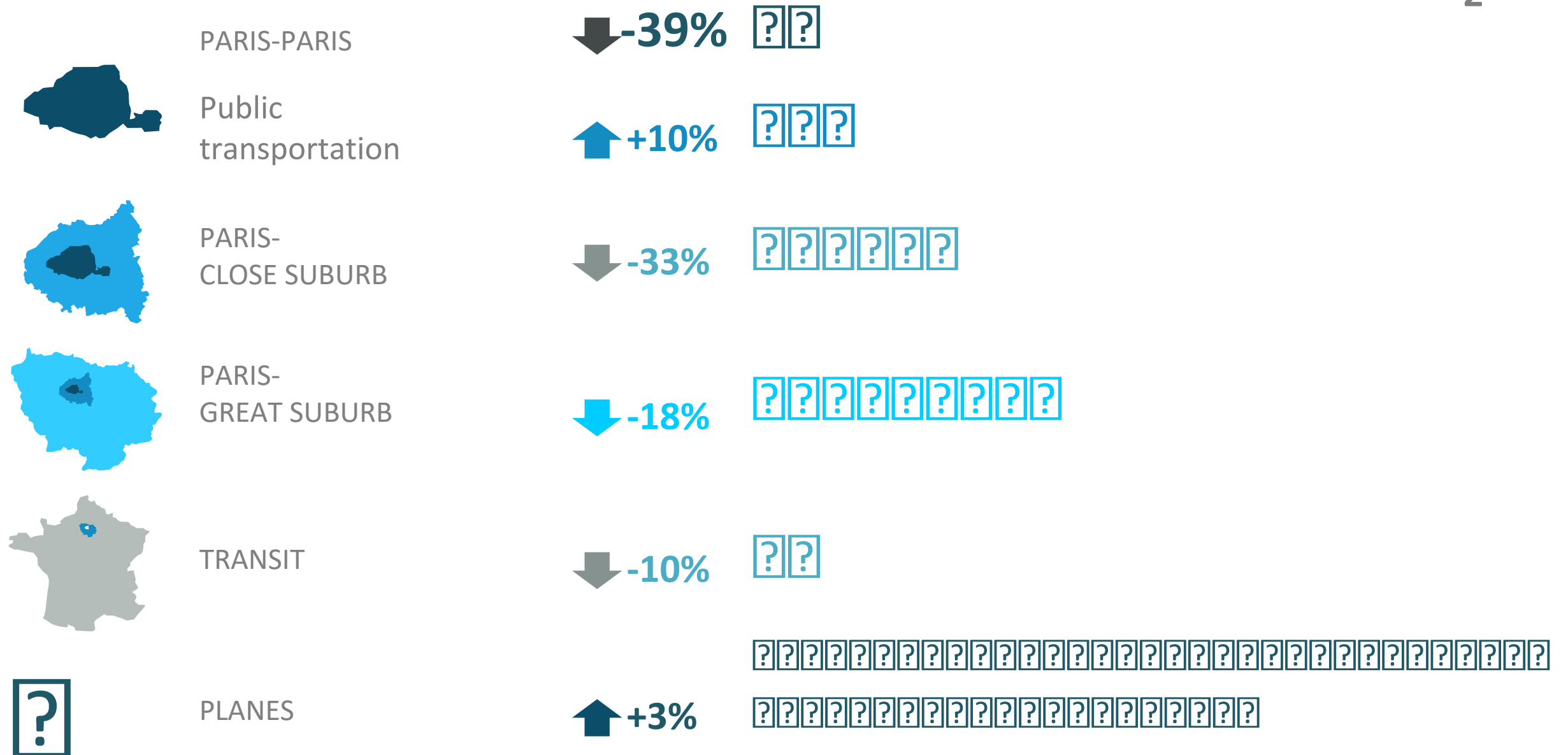
+100 000
Parisians

25,6 million tons of CO₂e

-9.2 %
compared with 2004

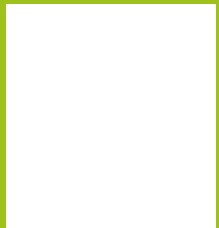


8,320,000 t CO₂e



10 years of action

More than 200 actions taken, including



36,000

Energy renovated
social housing units

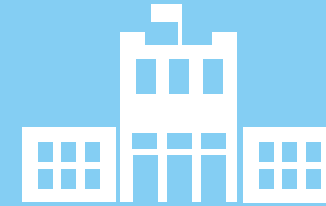


-39% GHG
From traffic in
central Paris



50

Paris Action Climat
signatories



Exemplary
Administration
- 52,700 t.CO₂



+70 ha
new green spaces
open to the public



7%
local renewable
energy



-17,000 t.CO₂
on food service



- 3,636 GWh
2004-2014



- 50,000 t.CO₂
on waste

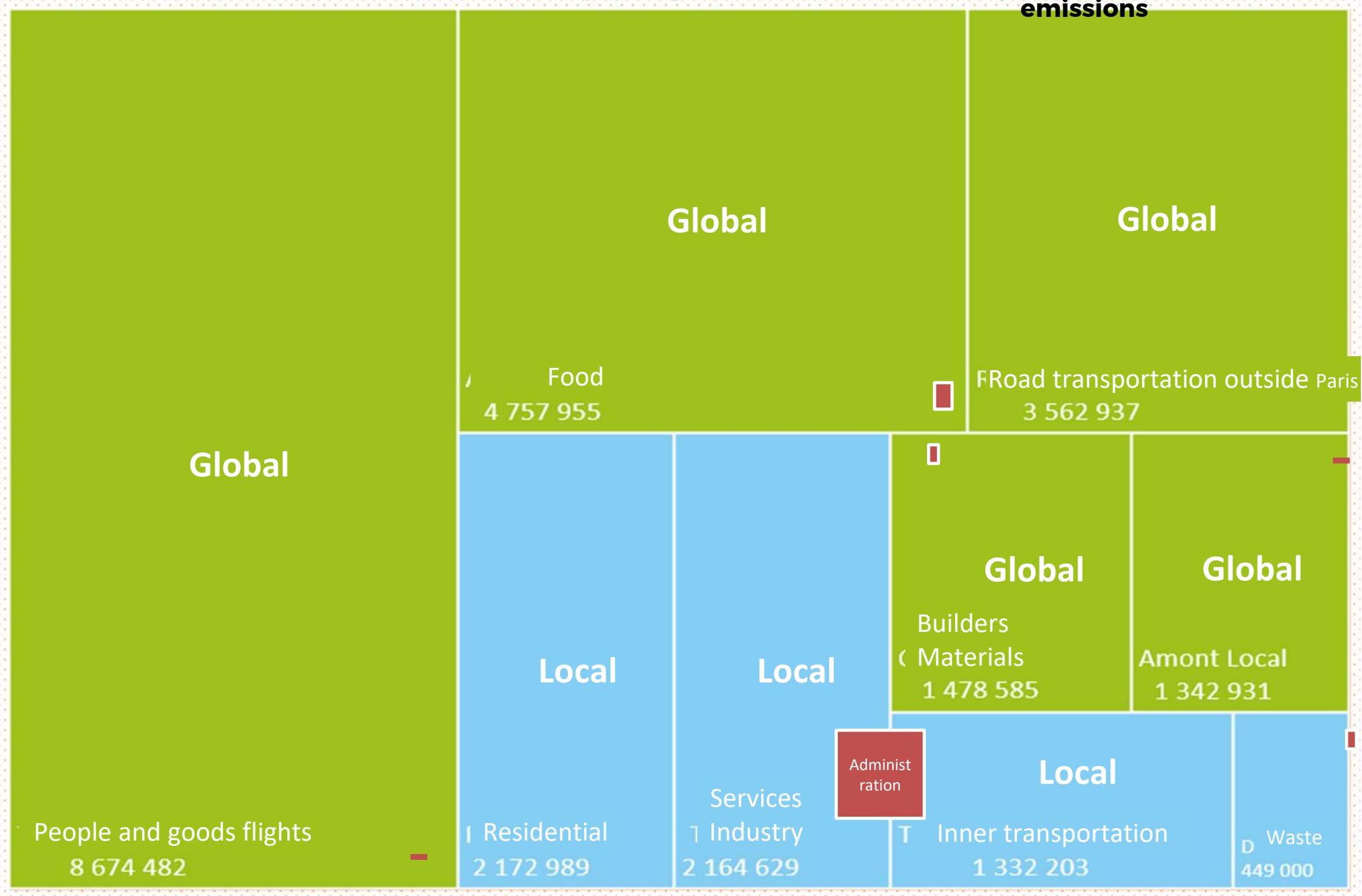


-9,2%
greenhouse gas
2004-2014

Paris' Carbon footprint

Local GHG emissions (scope 1&2+waste)

 **Administration**
<2% global emissions



Neutrality?

Zero fossil emission?

Zero fossil emission?

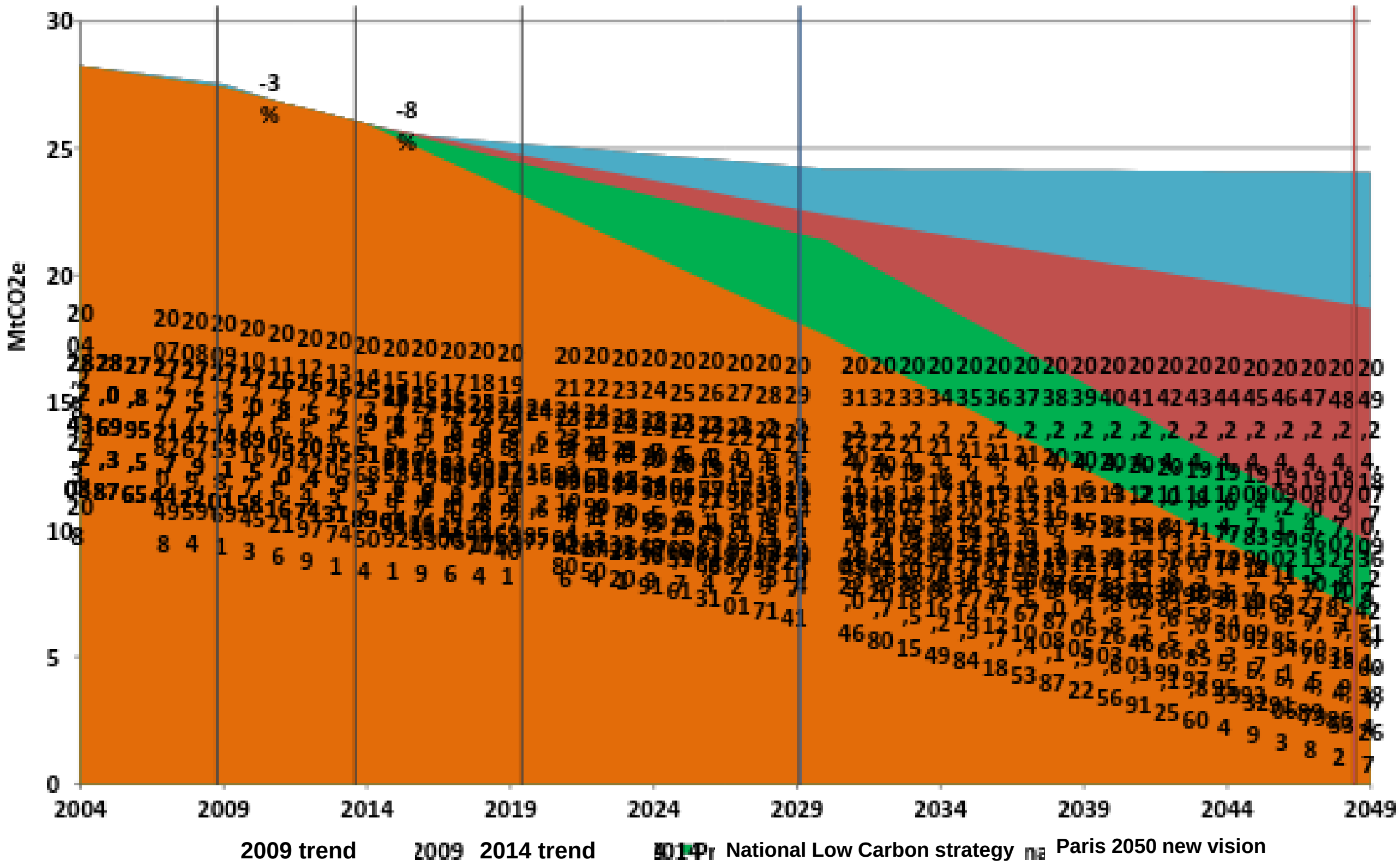
Zero gross emission?

Zero net emission?

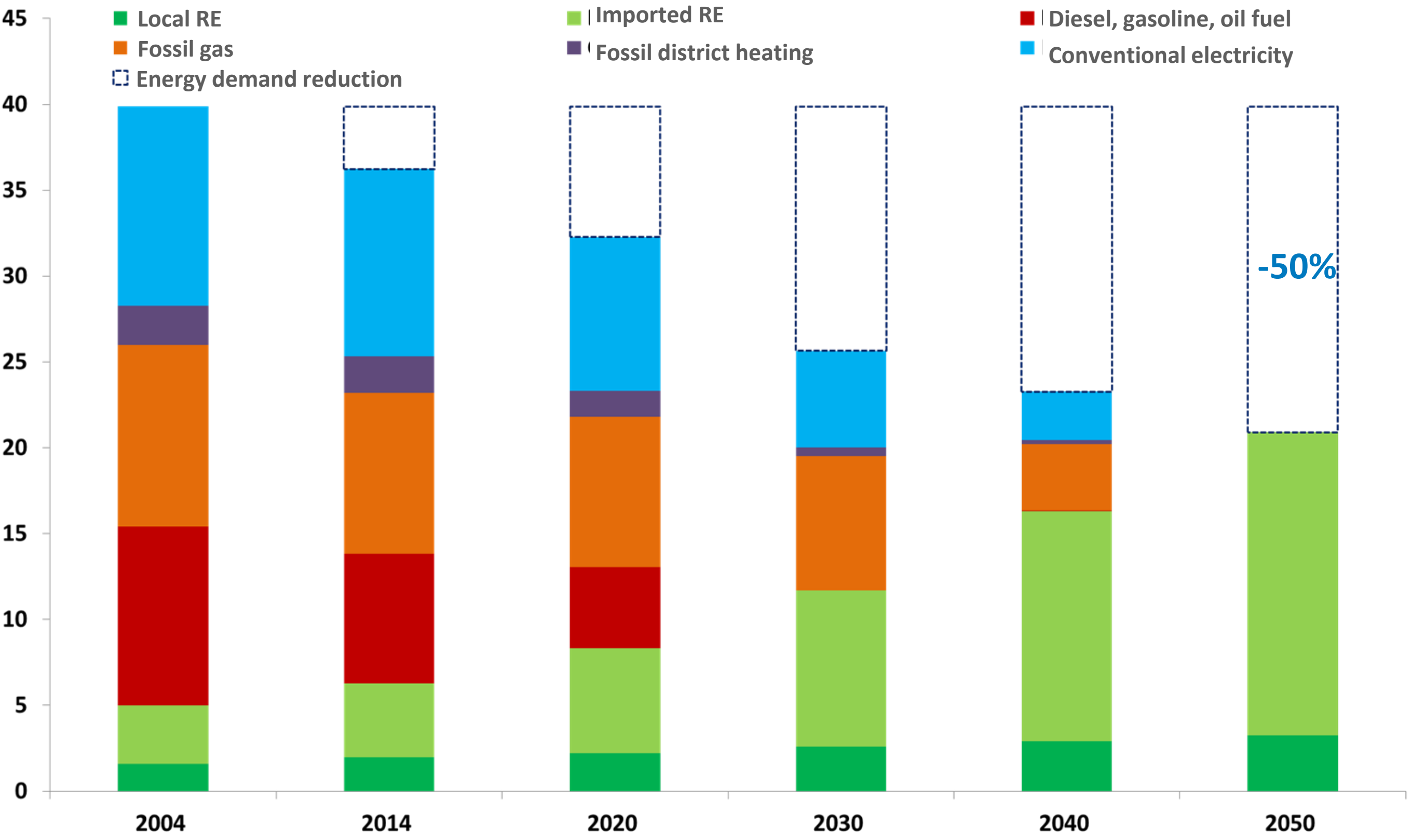
Local emission?

Global emission?

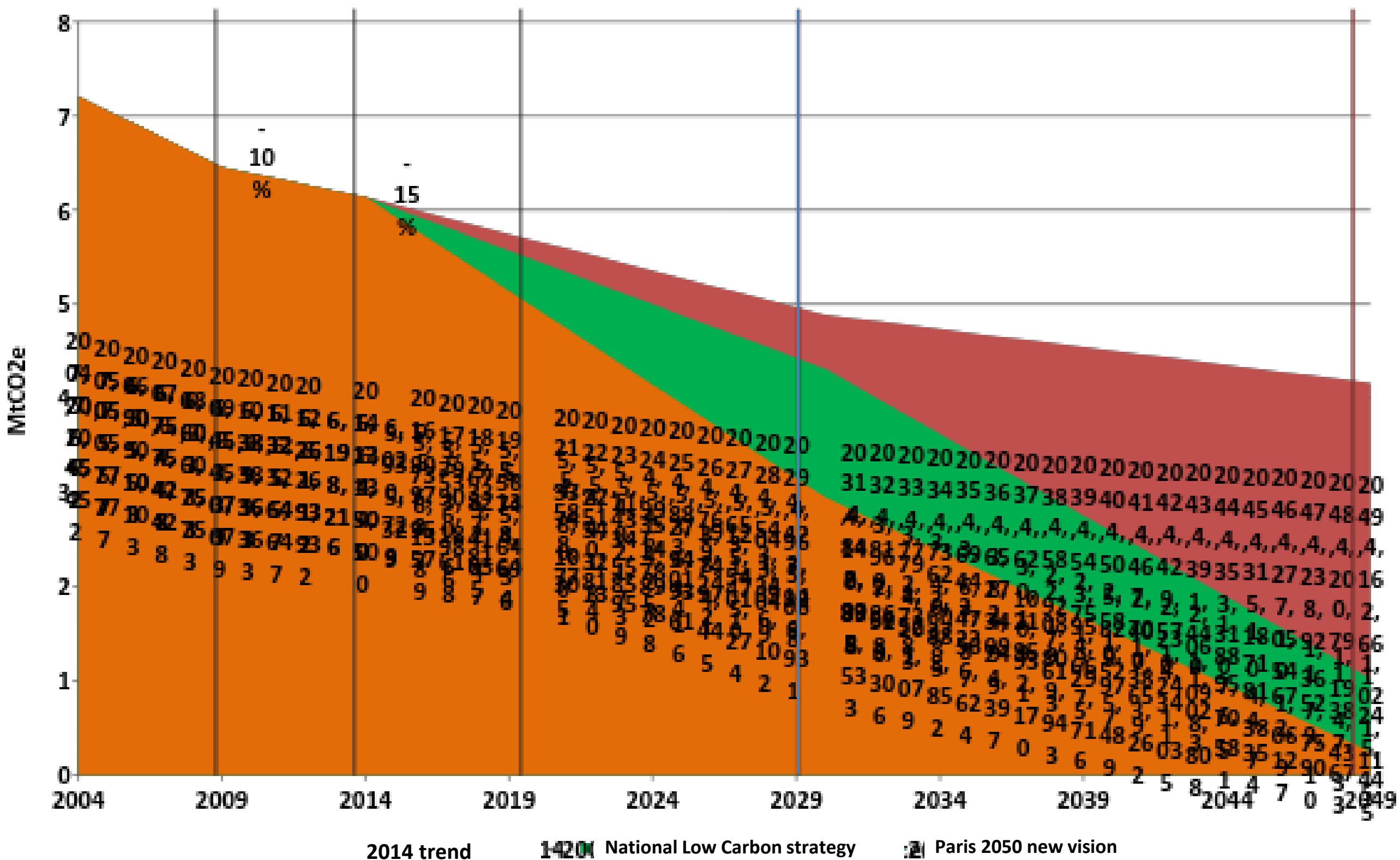
Paris' carbon footprint on 2050



Divide by 2 energy demand

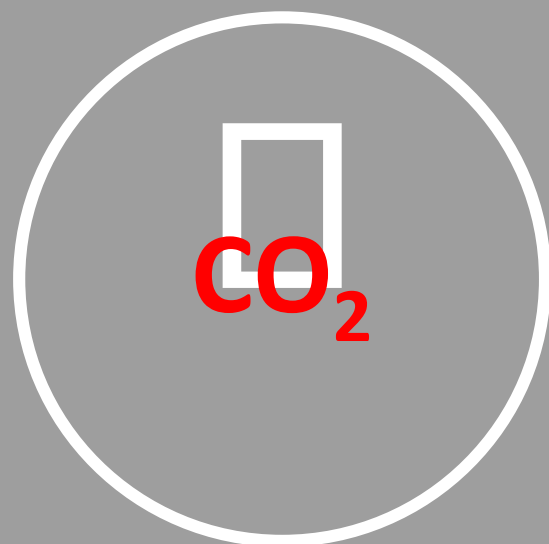


Local emissions evolution





-50% GHG emissions
Intramuros
(LOCAL)



-40%
of Paris carbon footprint

Key objectives 2030



-35%
energy consumption
citywide
based on 2004



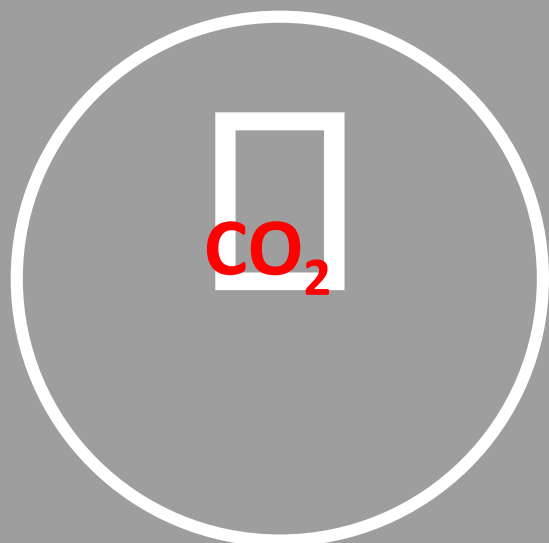
45% of renewable energy
in the Paris consumption
including **10% of local production**



Comply with the
WHO
recommendation
S on air quality



Zero GHG emissions
Intramuros
(LOCAL)



-80%
of Paris carbon footprint

Key objectives 2050



-50%
energy consumption
citywide
based on 2004

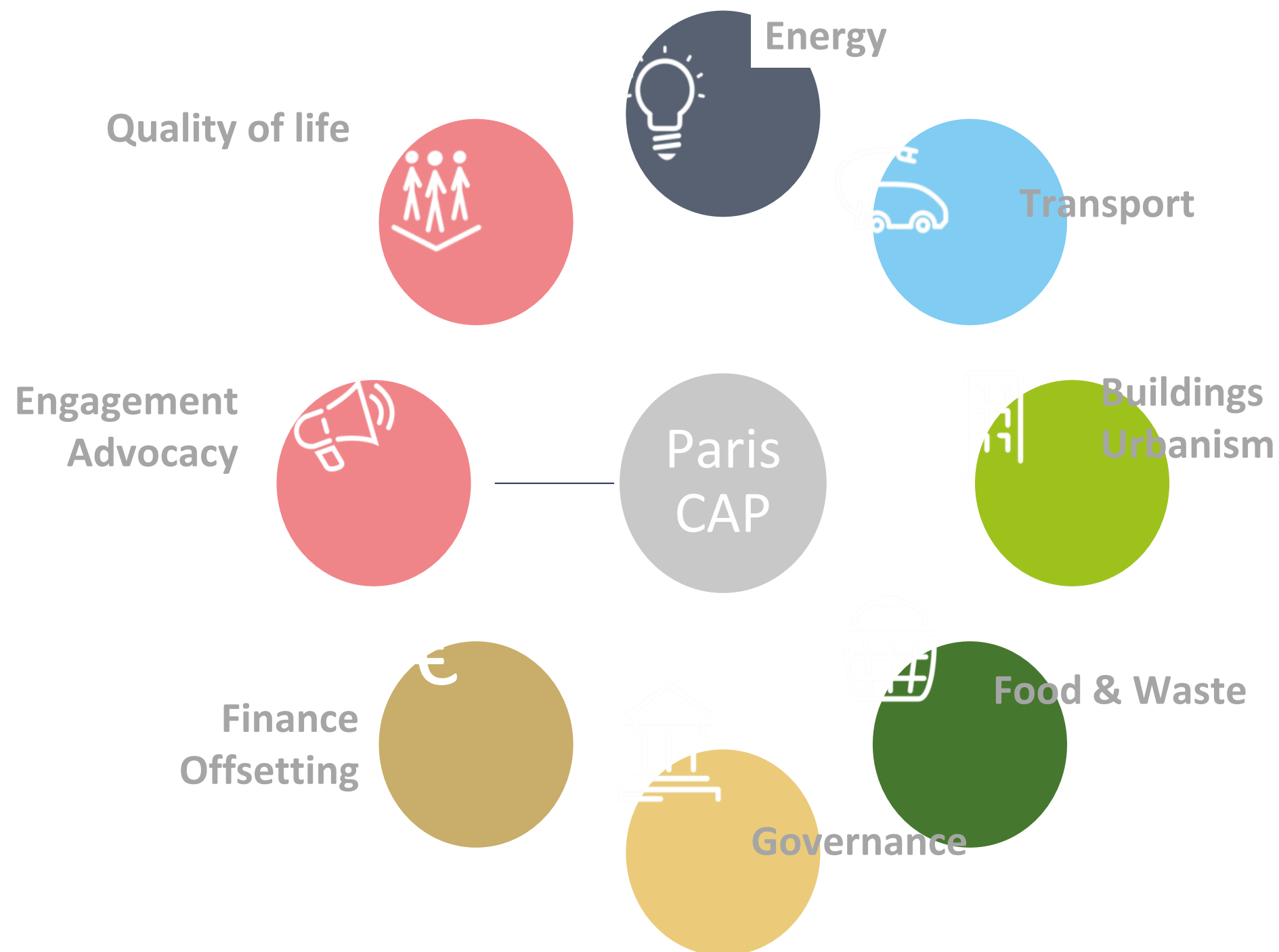


100% of renewable energy
in the Paris consumption
including **20% of local production**



Offsetting 20%
residual emissions

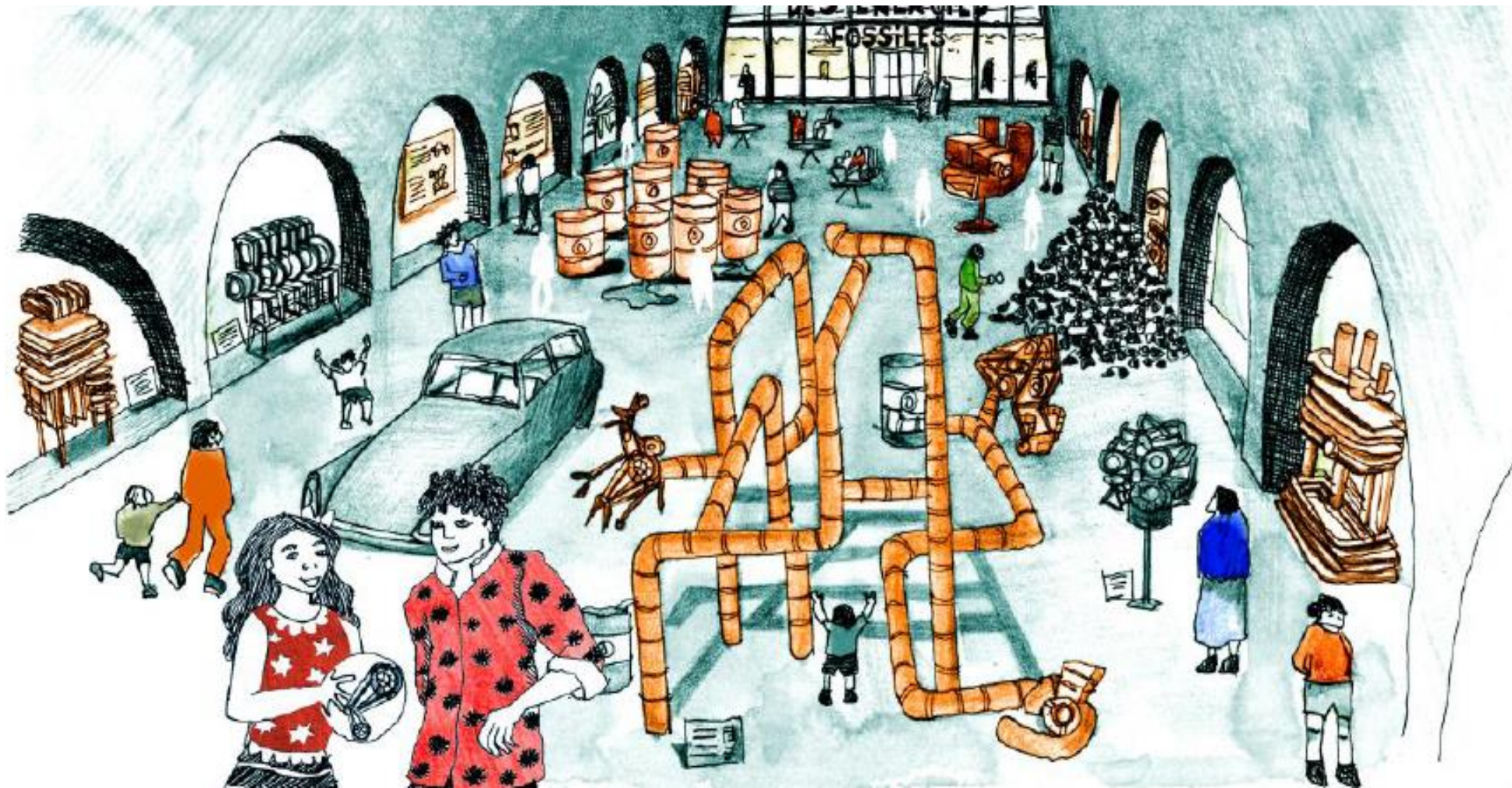
Key initiatives / key challenges





PARIS 100% RENEWABLES

RIGHT TO ACCESS CLEAN ENERGY





1 MILLION UNITS TO RETROFIT

MINIMUM GAIN OF 50%

x27 A YEAR COMPARE TO NOW



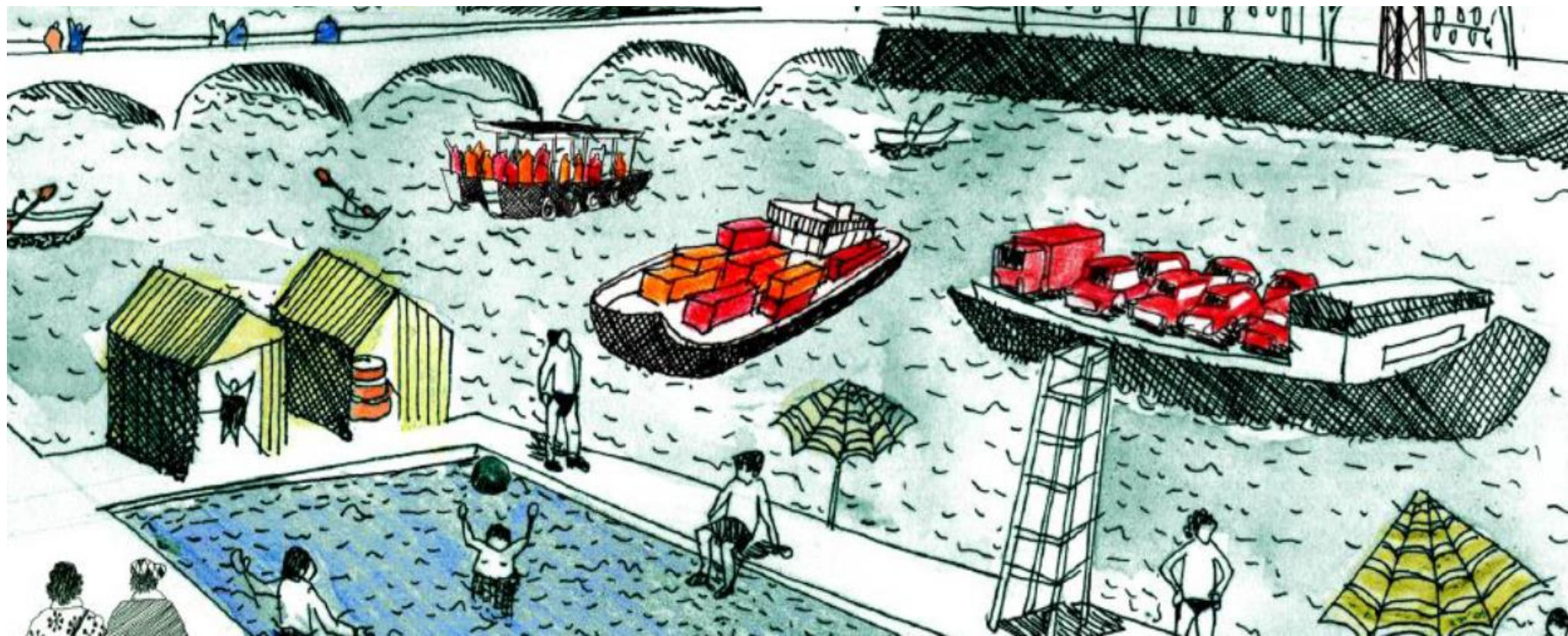


**INDIVIDUAL
MOBILITY**

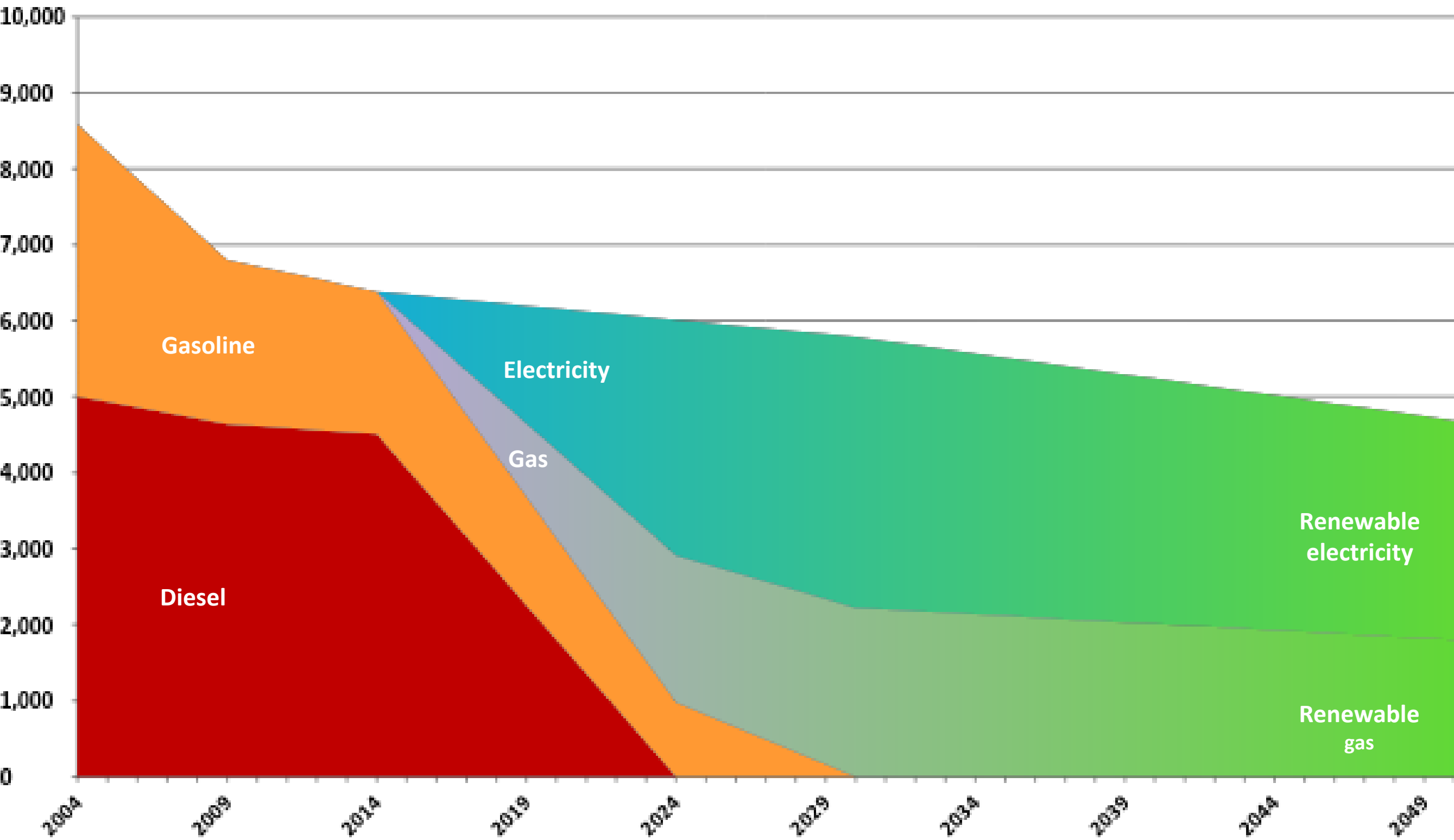
50% OF THE WAY!
Zero emission Mobility

**TRANSPORT OF
GOODS**

**Carbon Neutral
Delivery**



Local on-road transportation (Mkm)





FOOD

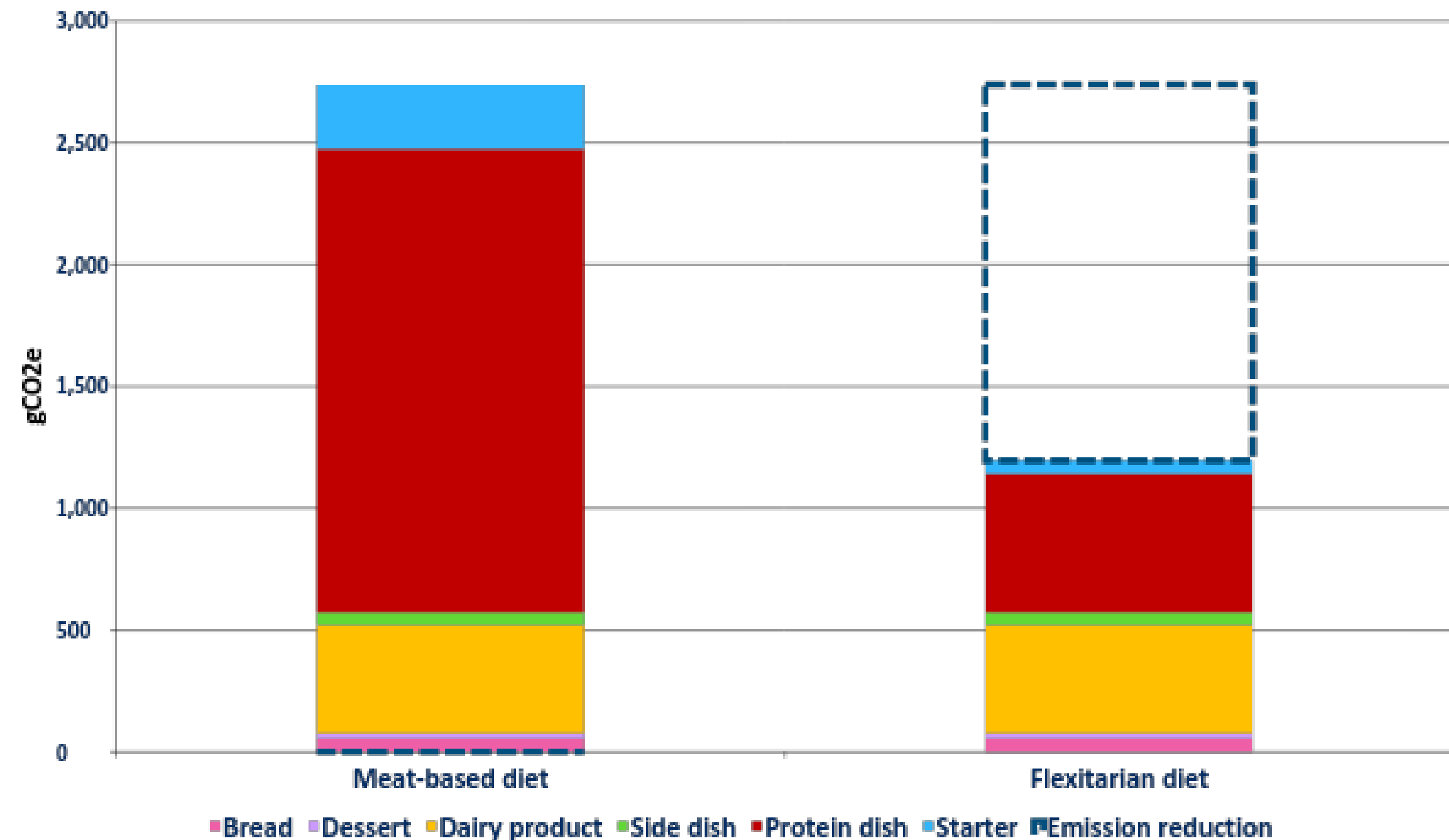
PARIS 100% ORGANIC and LOCAL

WASTE

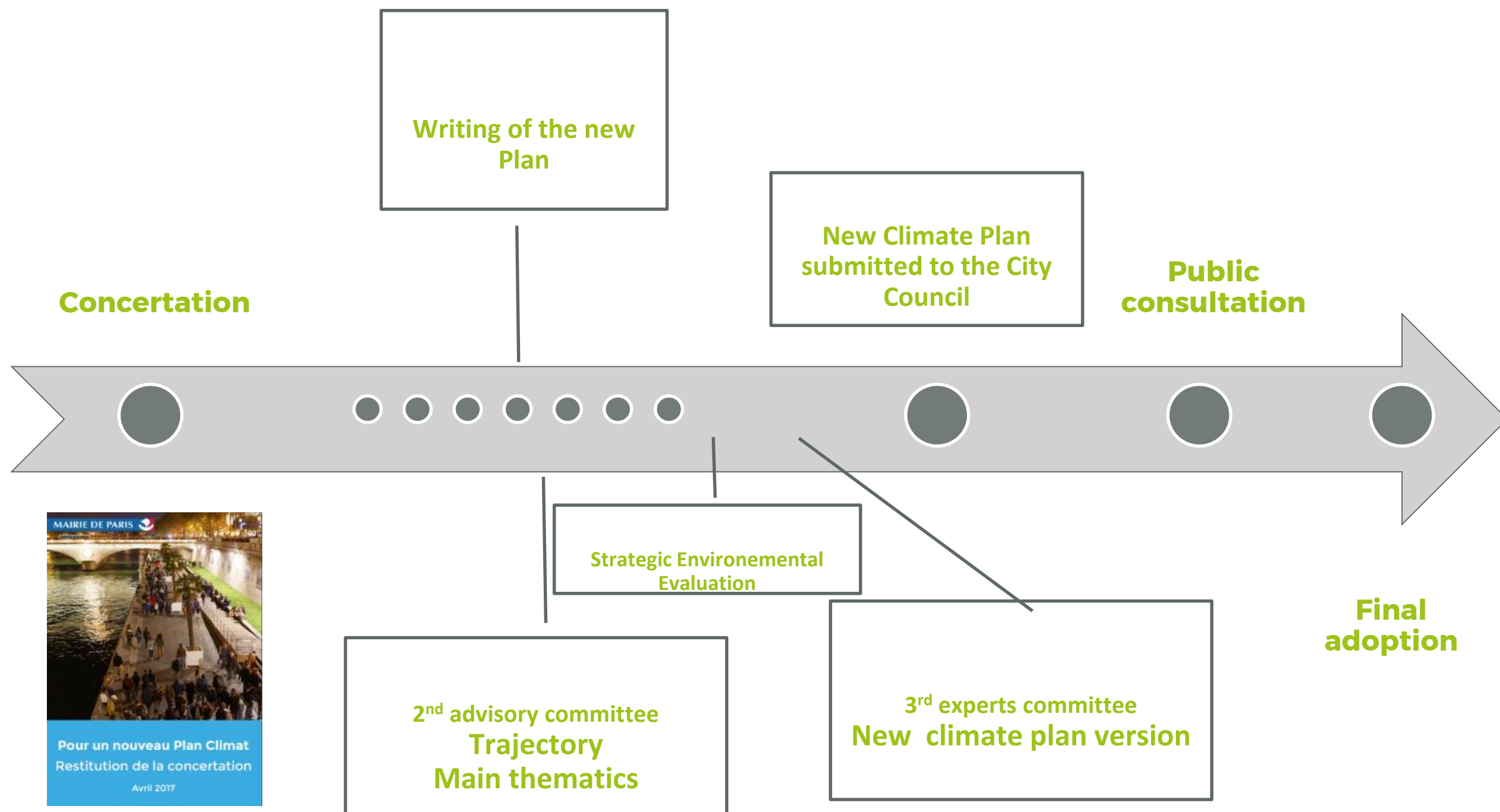
**ZERO
WASTE**



Food issues



Next steps and timelines



2050 goals: Paris, a carbon neutral city

