

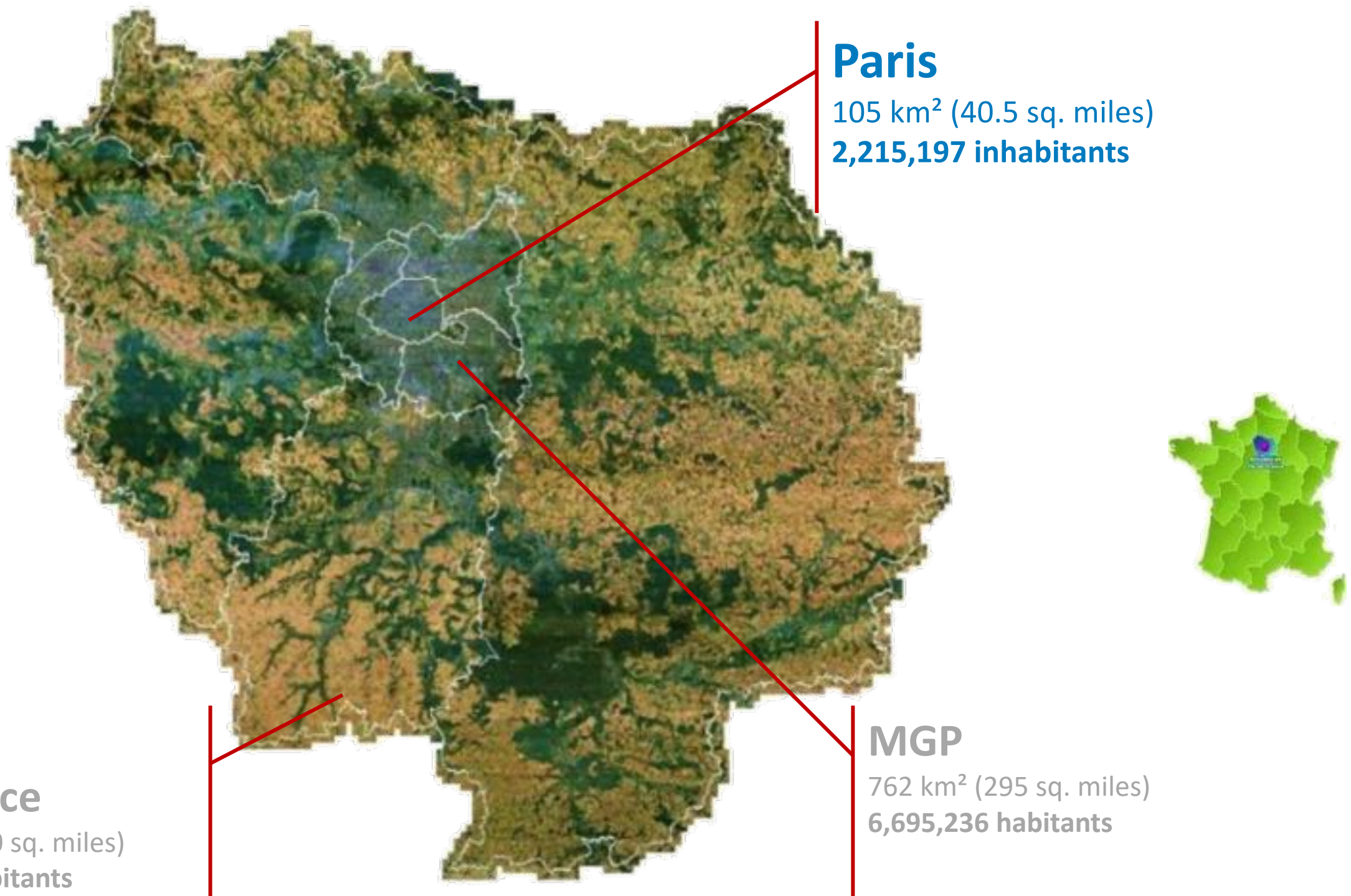
HOW TO BE CARBON NEUTRAL BY 2050 ? PARIS' STRATEGY

Yann Françoise

Head of climate, energy, circular economy strategies
City of Paris



Paris and its region



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**



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

10 years of action

More than 200 actions taken, including



36,000

Energy renovated
social housing units

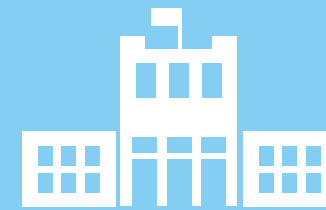


-39% GHG
From traffic in
central Paris



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

NATIONS UNIES
ACCORD DE PARIS
SUR LES CHANGEMENTS CLIMATIQUES
CÉRÉMONIE DE SIGNATURE
22 AVRIL 2016



4 December 2015



Paris' Agreement !



**LES VILLES
POUR
LE CLIMAT**



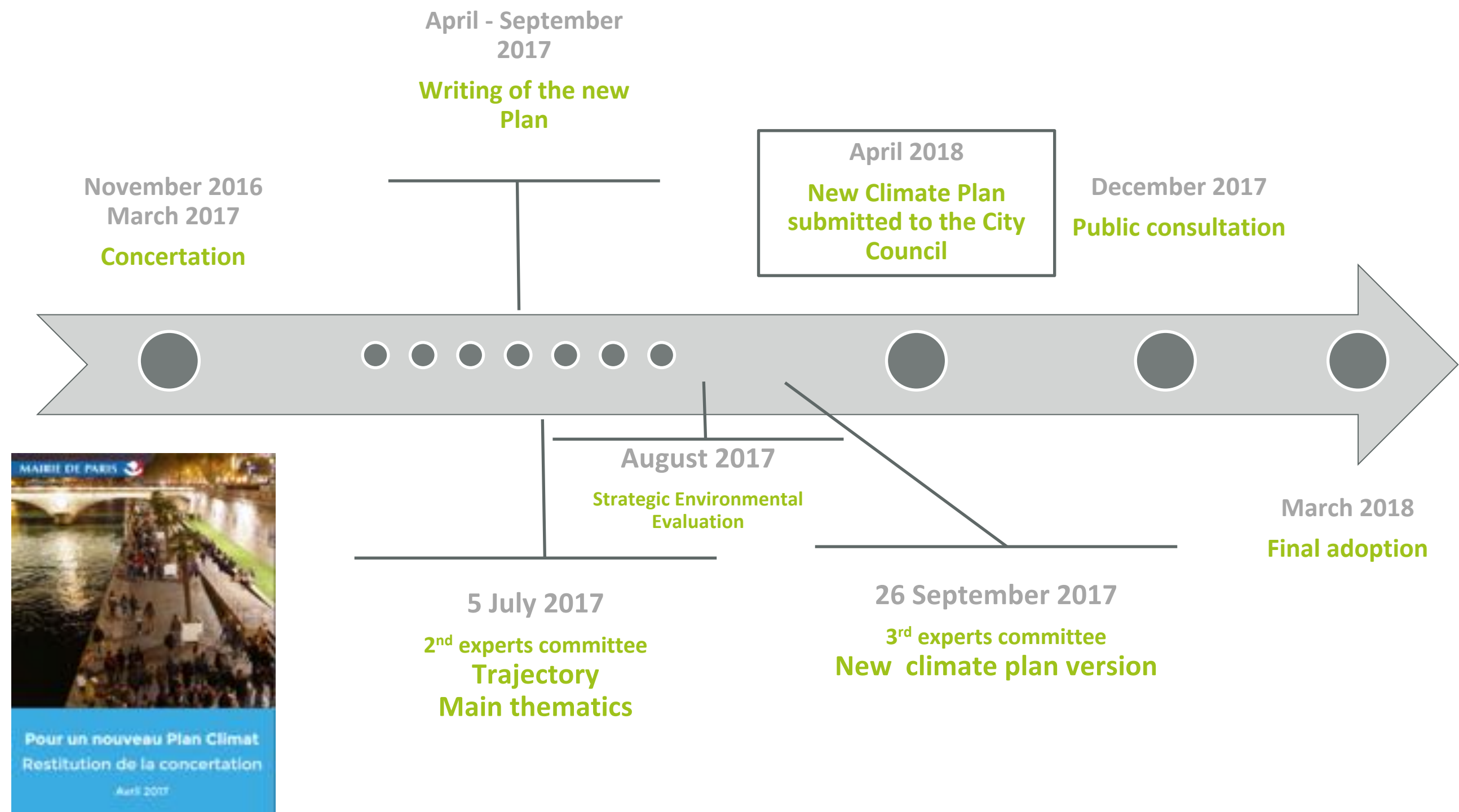
Sommet des élus locaux pour le climat
4 DÉCEMBRE 2015 - PARIS



MAIRIE DE PARIS



New CAP : 18 month of work



Carbon Neutrality?

Zero fossil emission?

Zero fossil emission?

Zero gross emission?

Zero net emission?

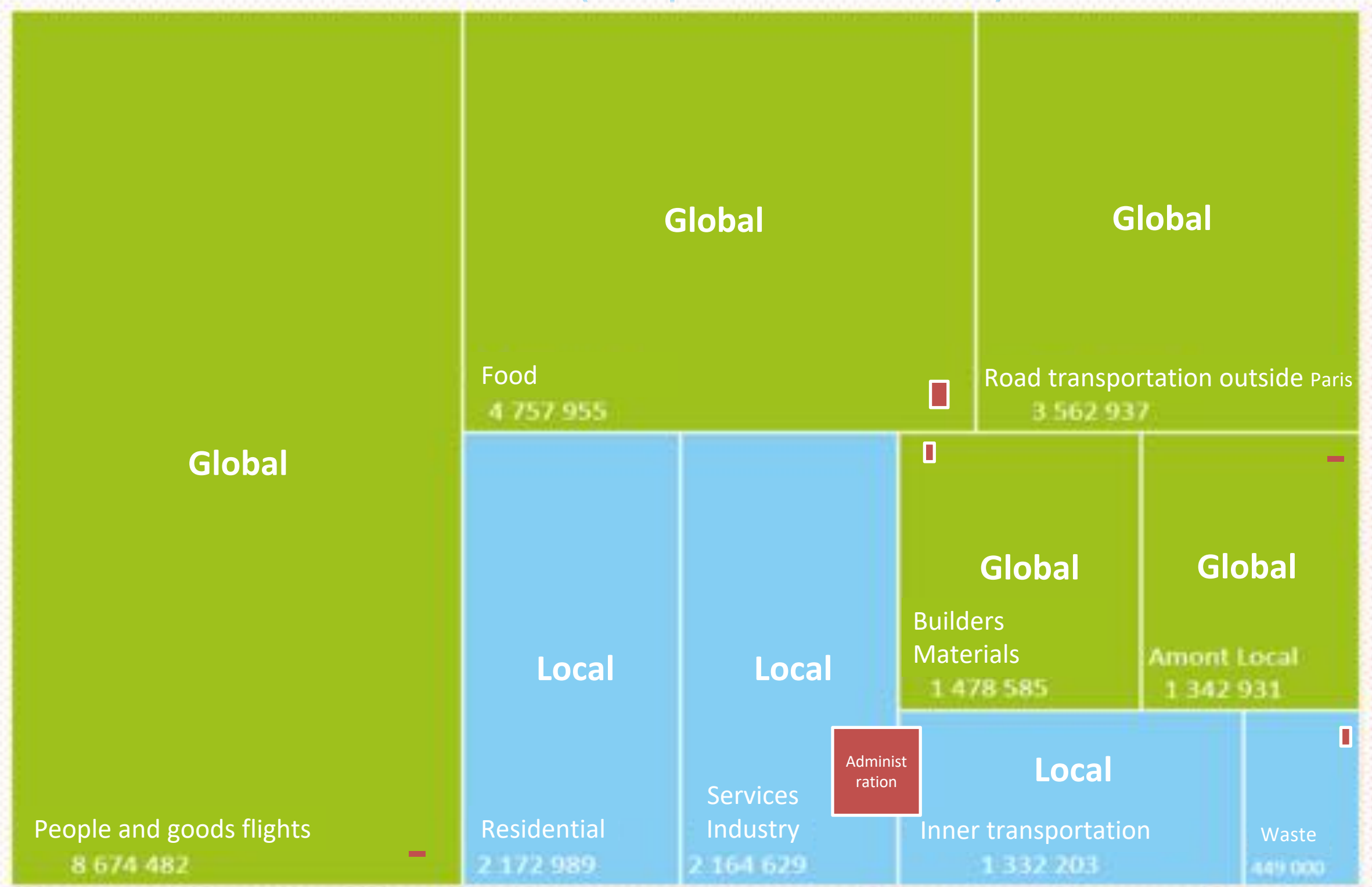
Local emission?

Global emission?

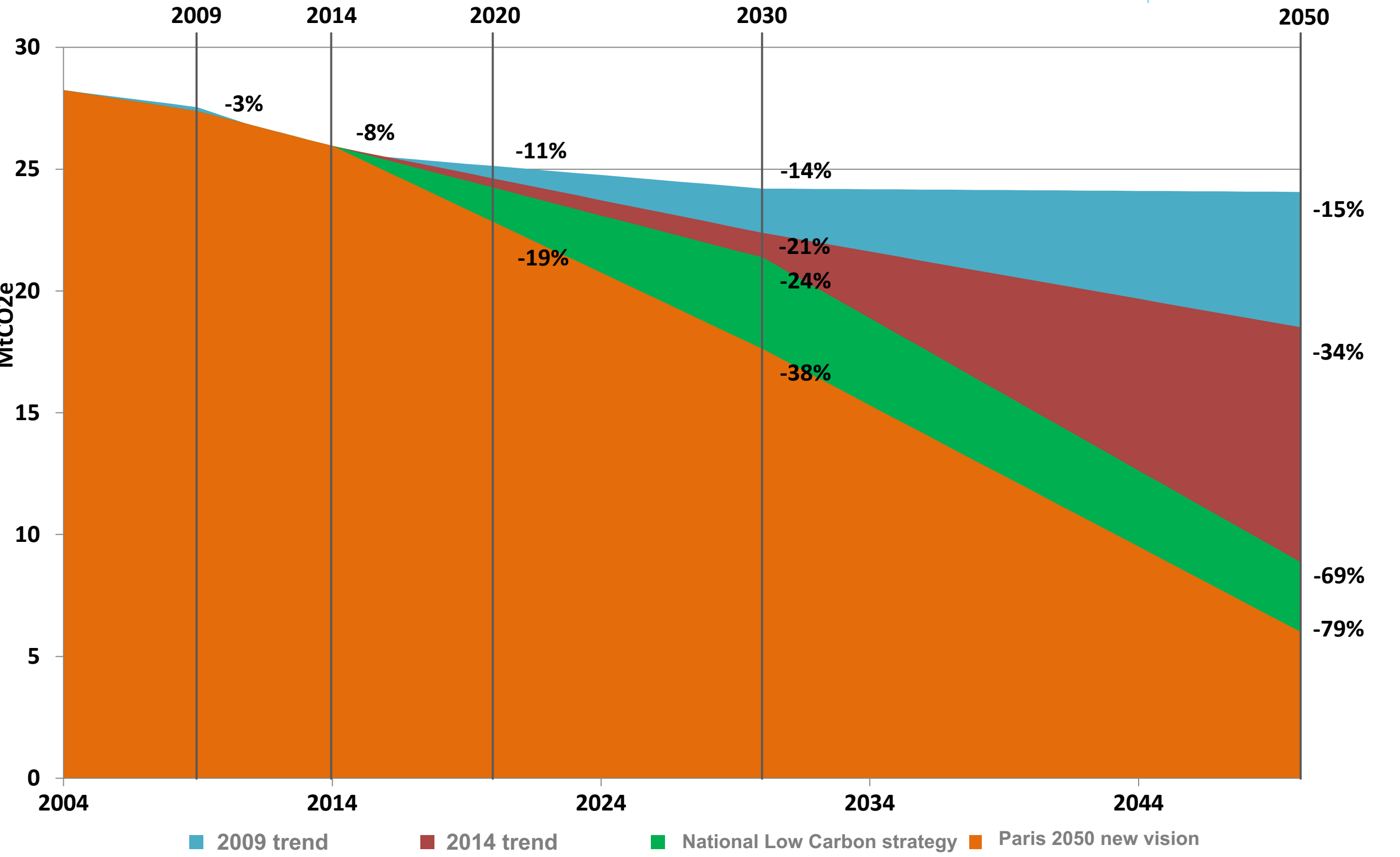
Paris' Carbon footprint

Local GHG emissions (scope 1&2+waste)

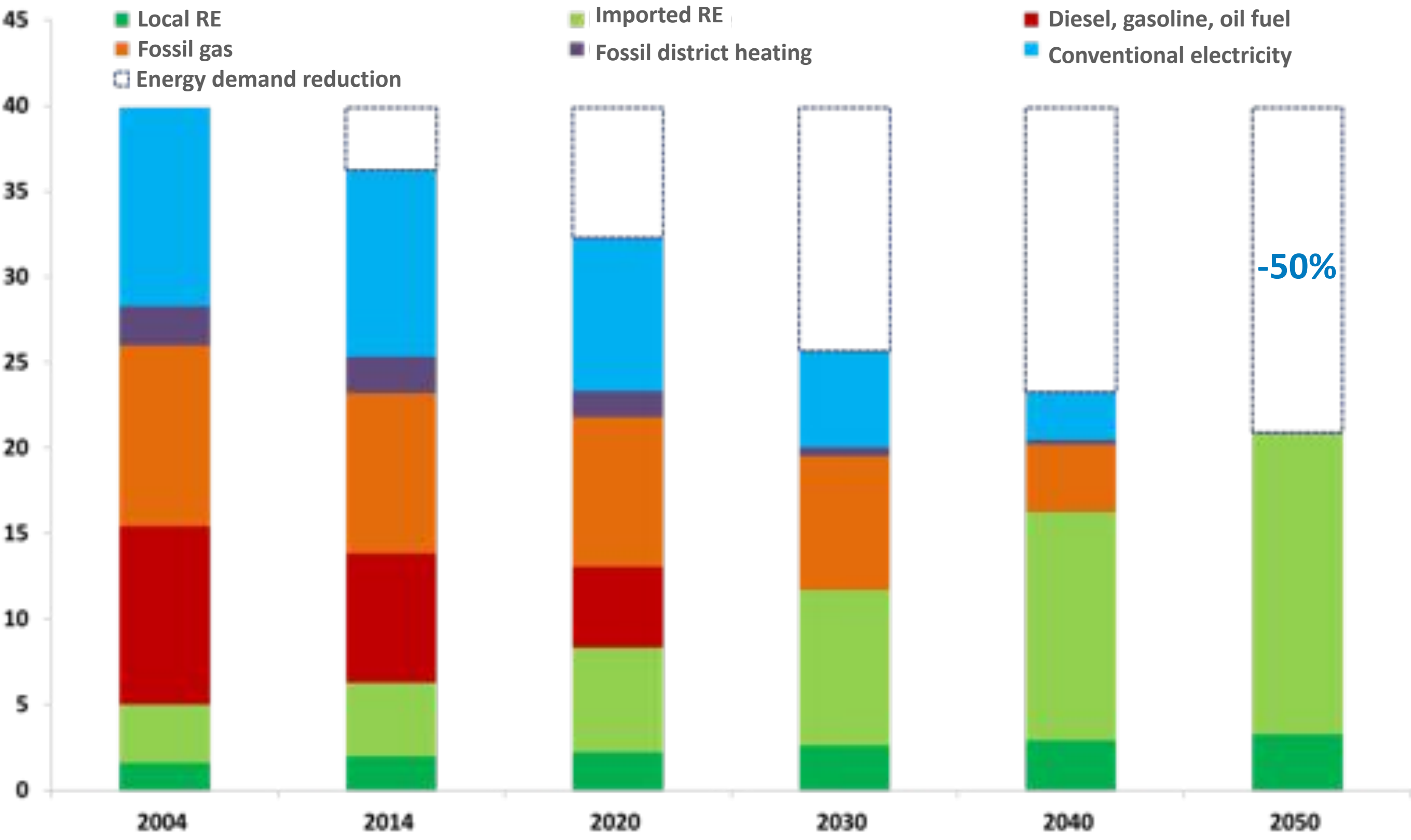
Administration
<2% global
emissions



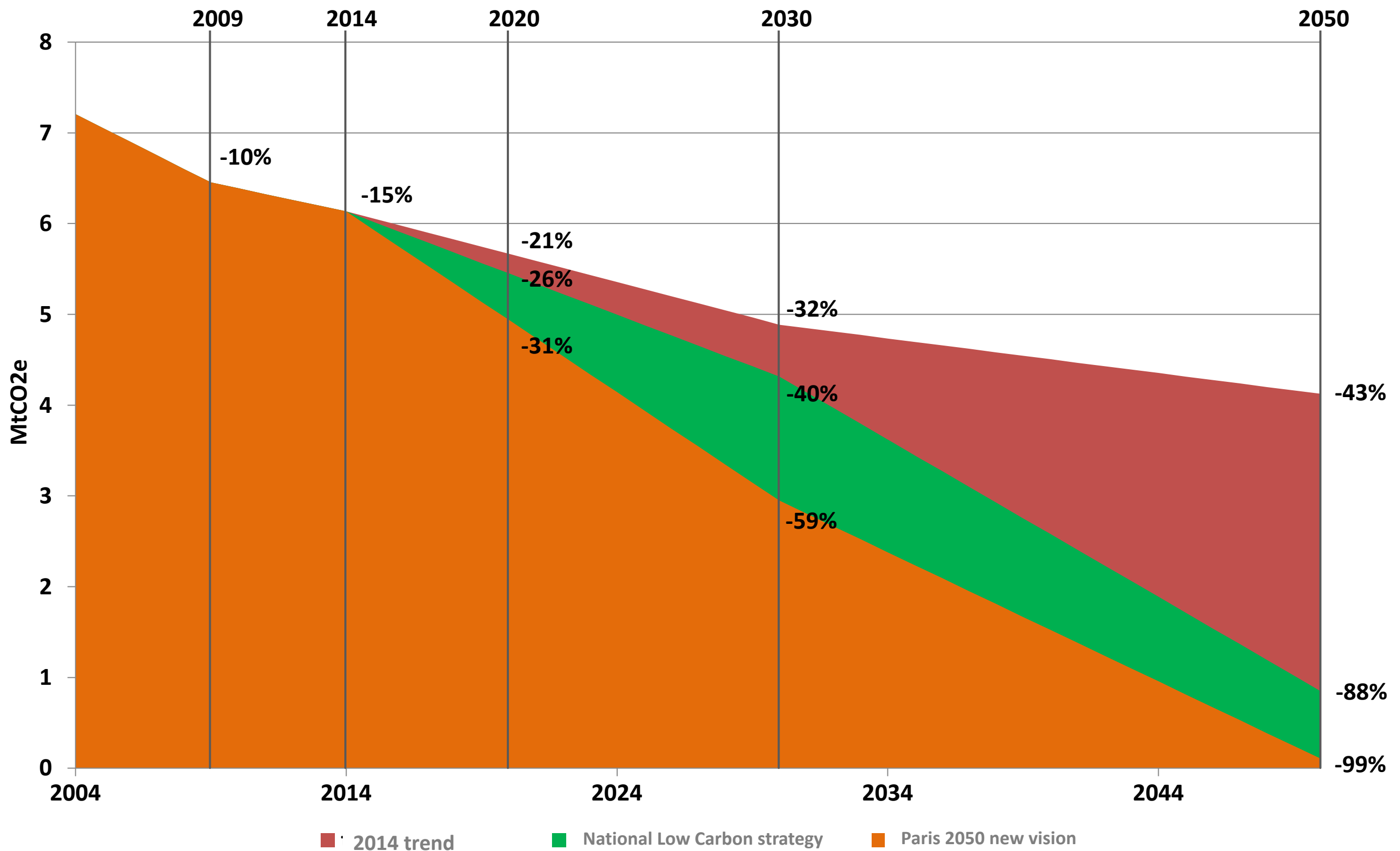
Paris' carbon footprint on 2050



Divide by 2 energy demand

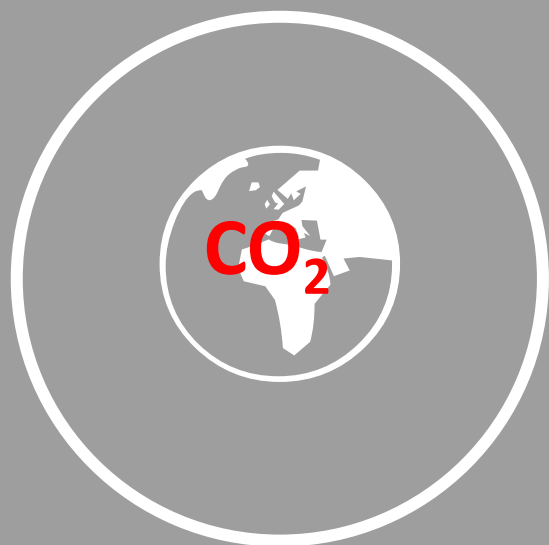


Local emissions evolution





Zero GHG emissions
Intramuros
(LOCAL)



-80%
of Paris carbon footprint

Key objectives 2050



-50%
energy consumption
citywide
based on 2004



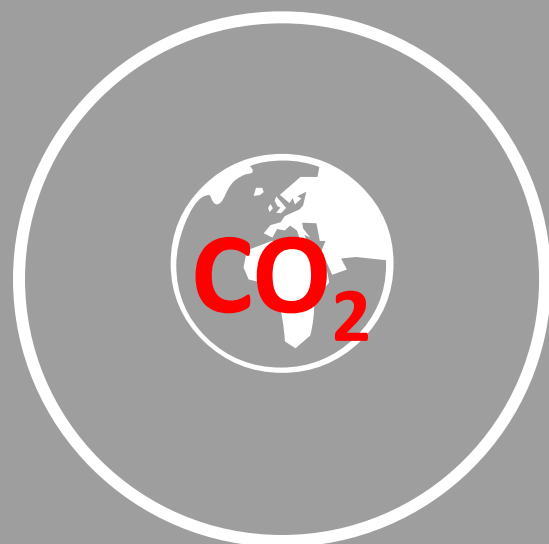
100% of renewable energy
in the Paris consumption
including **20% of local production**



Offsetting 20%
residual emissions



-50% GHG emissions
Intramuros
(LOCAL)



-40%
of Paris carbon footprint

Key objectives 2030



-35%
energy consumption
citywide
based on 2004

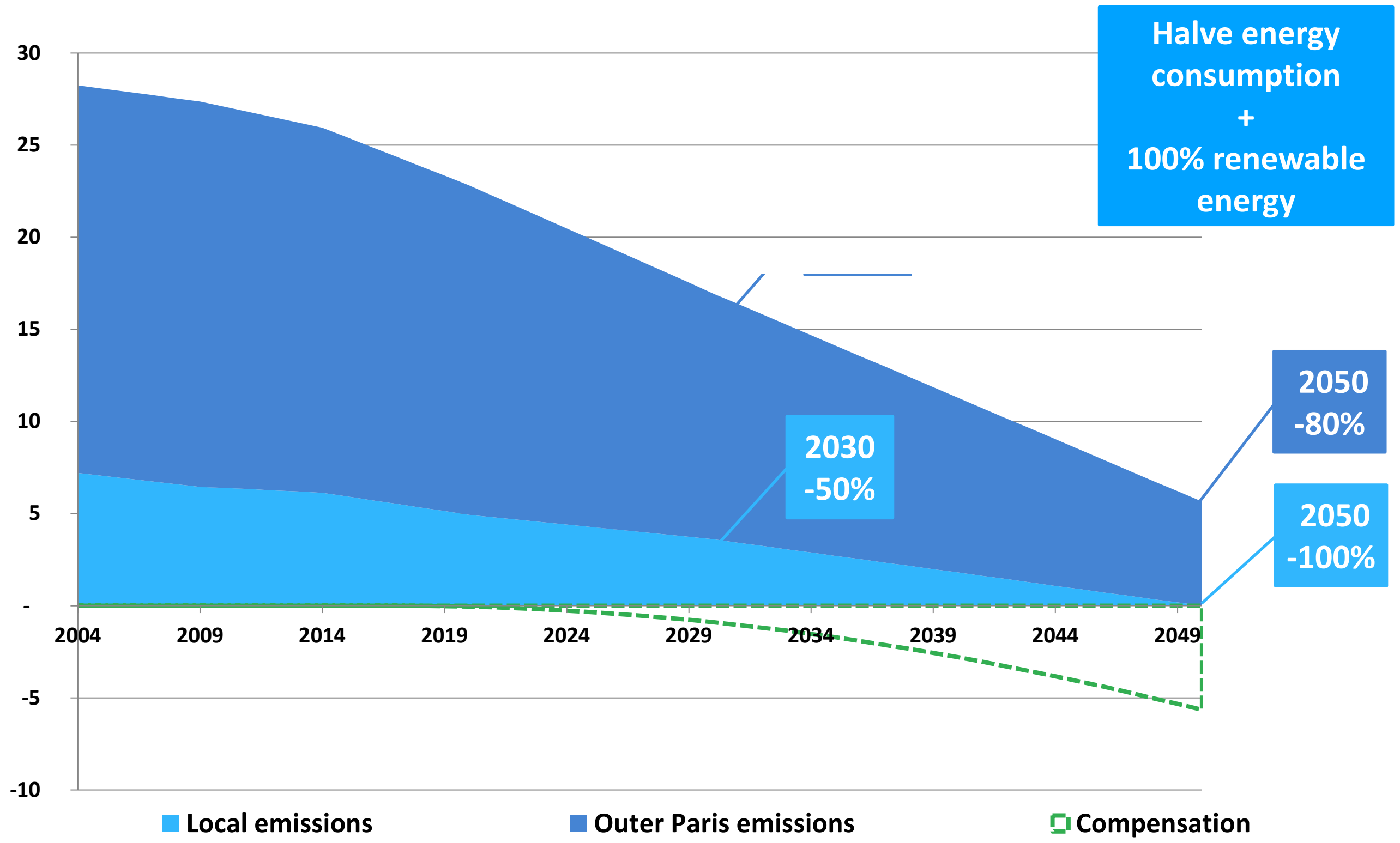


45% of renewable energy
in the Paris consumption
including **10% of local production**

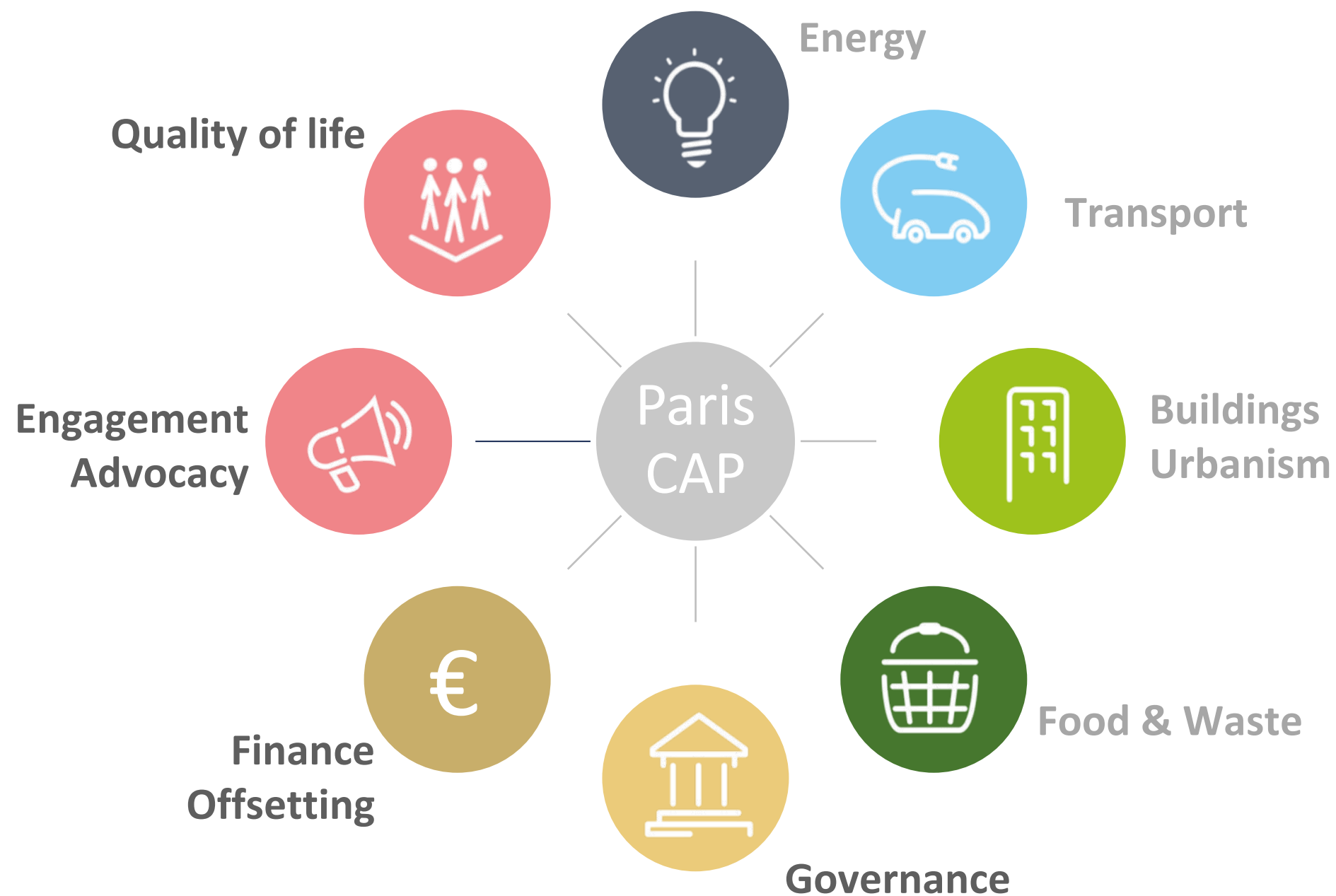


Comply with the **WHO**
recommendations on
air quality

Paris, a carbon neutral city by 2050

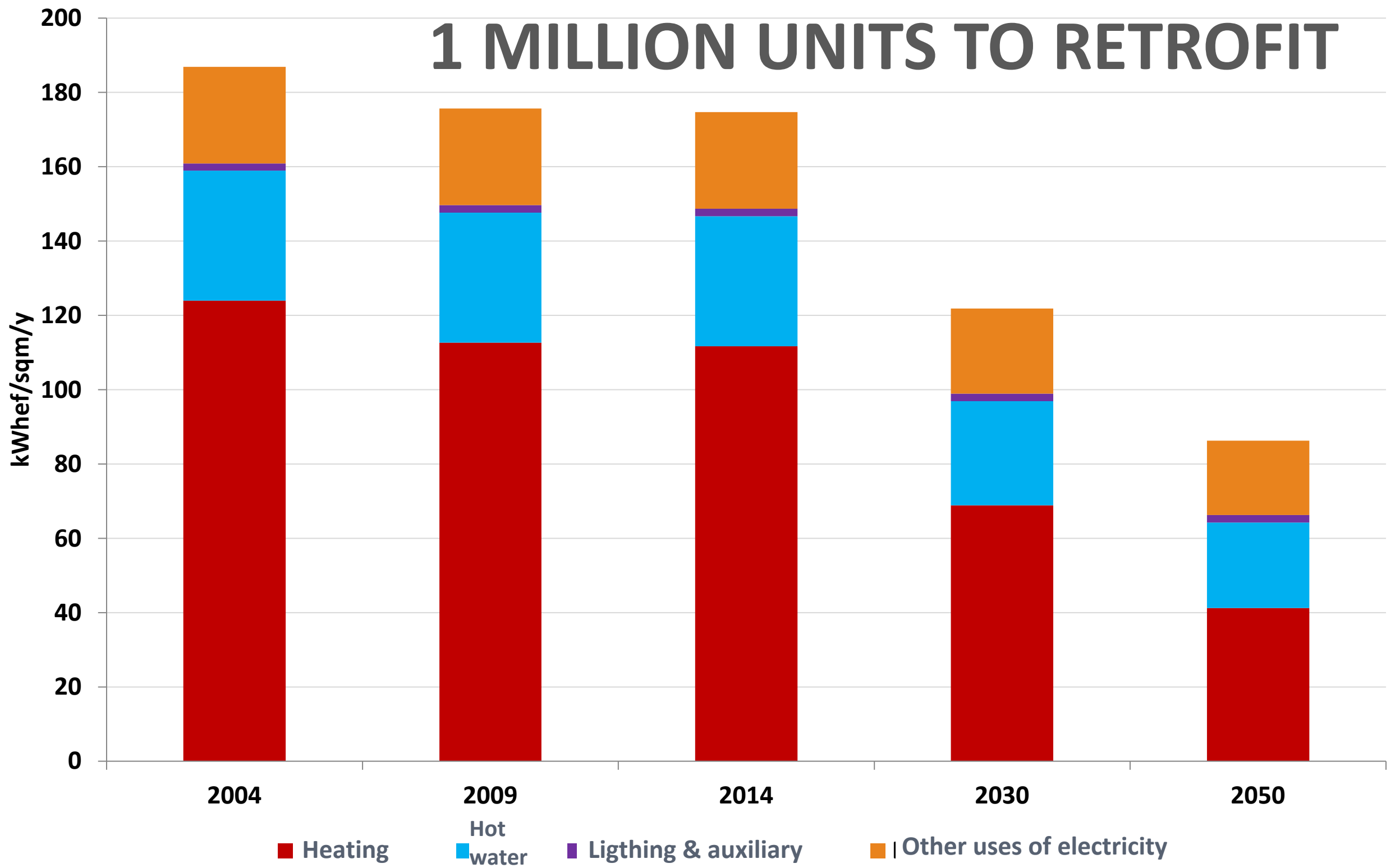


Key initiatives / key challenges



PARIS 100% RENEWABLES RIGHT TO ACCESS CLEAN ENERGY



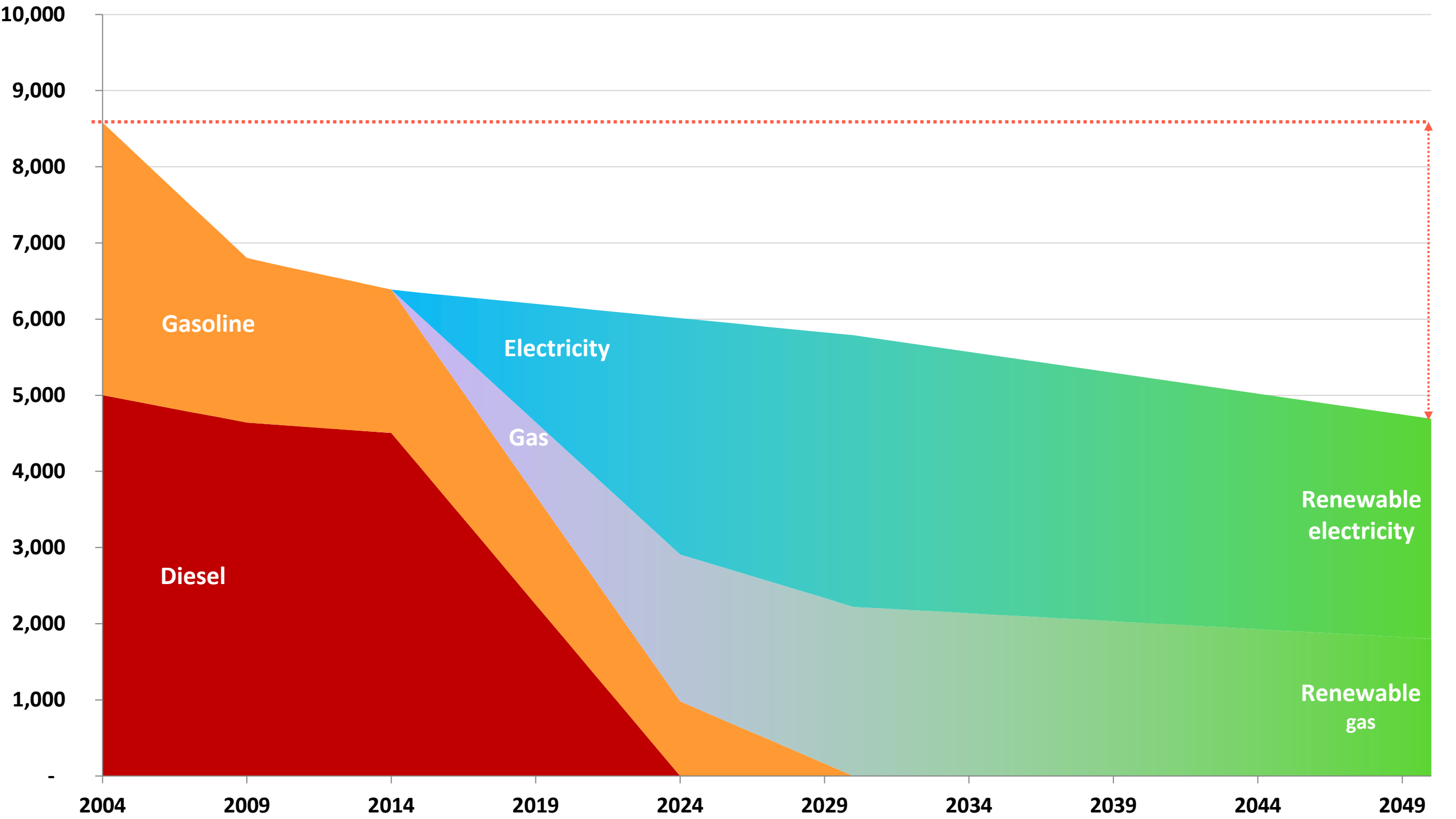


What's up for ACCOMMODATION ?

1 MILLION UNITS TO RETROFIT
MINIMUM GAIN OF 50%



Local on-road transportation (Mkm)



TRANSPORT orientations?

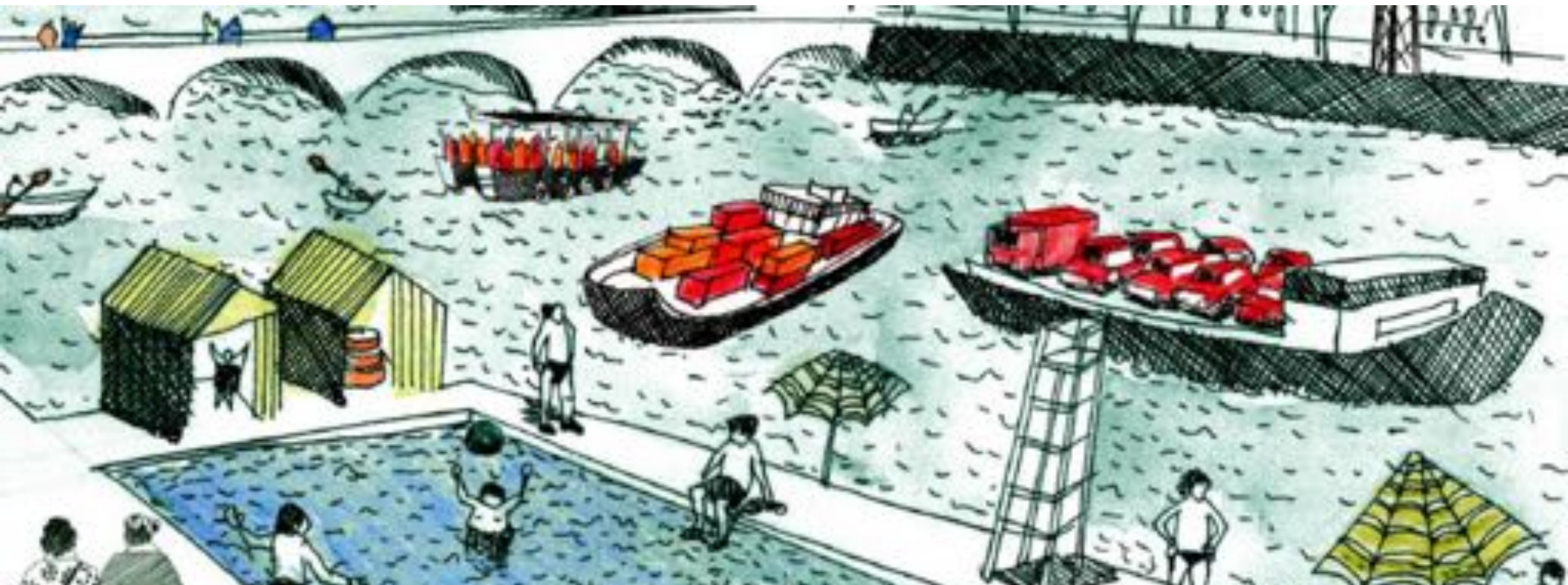
INDIVIDUAL MOBILITY

TRANSPORT OF GOODS

50% OF THE WAY!

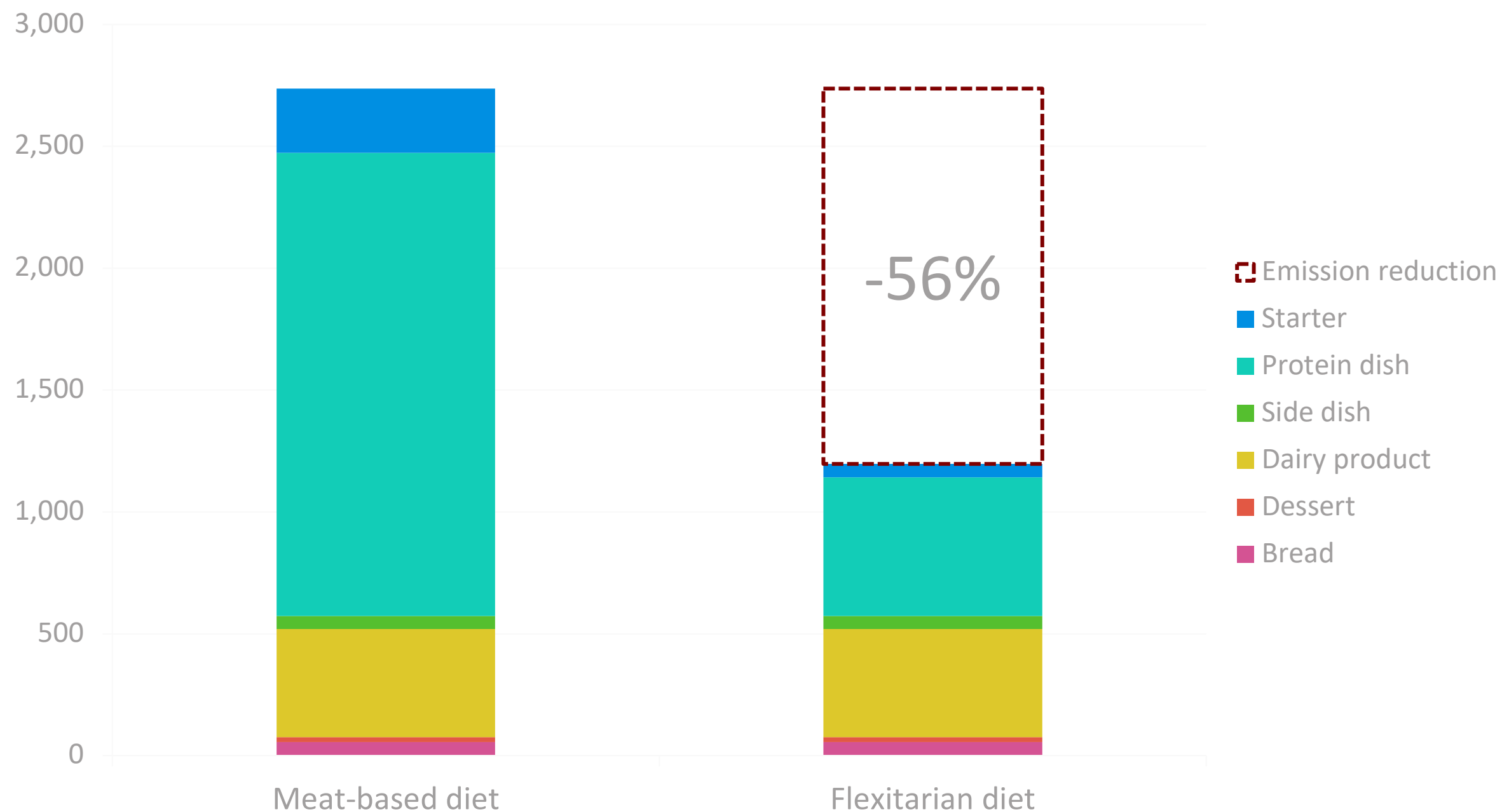
Zero emission Mobility

**Carbon Neutral
Delivery**



Flexitarian Diet

GHG emissions (gCO₂e)



FOOD 100% organic and local food in Paris

WASTE **ZERO WASTE**

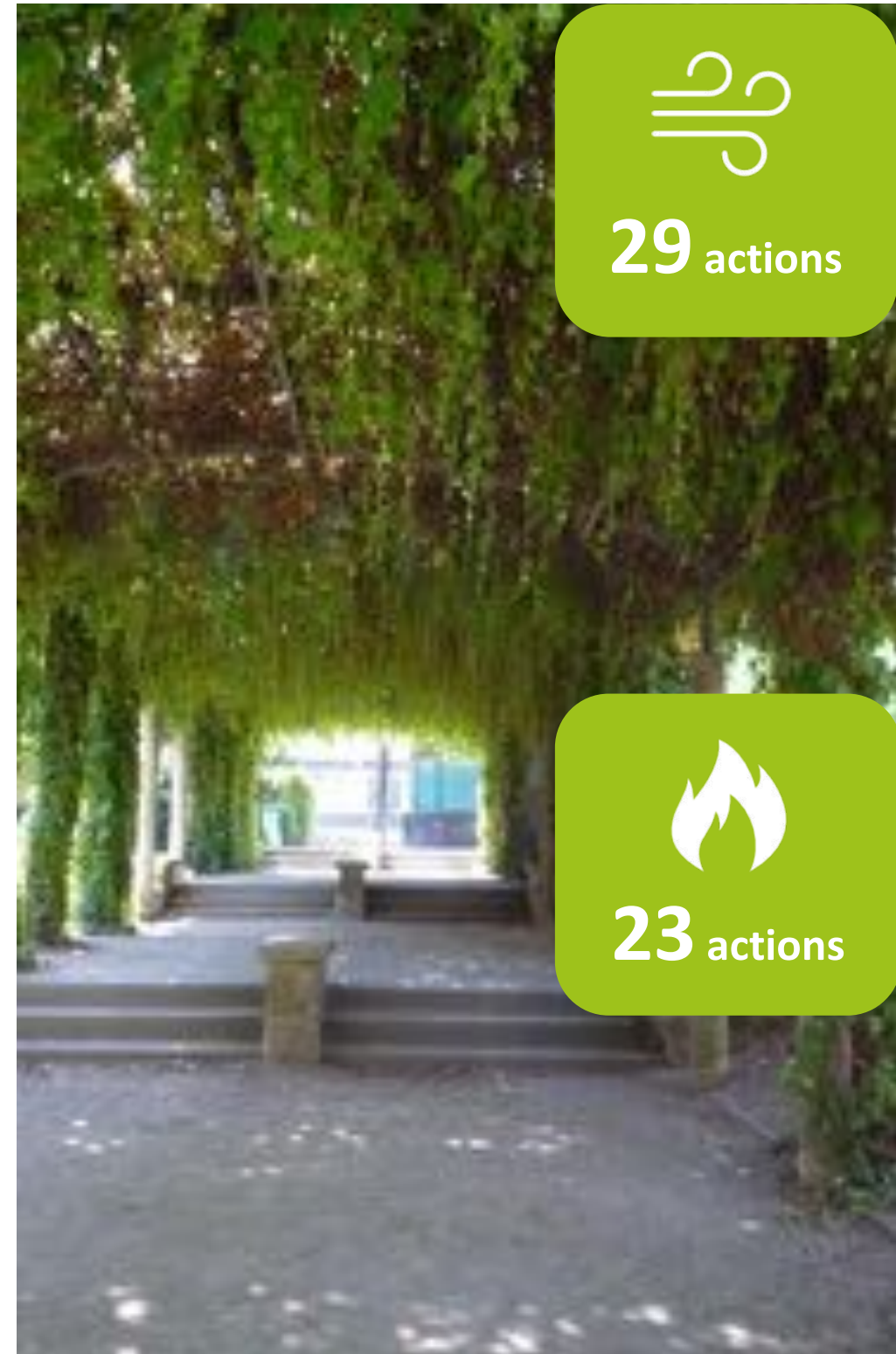


Pure Air by 2030

- No more fuel oil boilers
- Extension of LEZ to Metropolitan area
- Incentives for retrofitting biomass boilers in Metropolitan area

A cool city

- +300 “cool islands” by 2030
- Replace asphalt by lawn in schoolyards
- Improve thermal summer comfort in flats



29 actions



23 actions

A biodiversity for the Parisians

- 40% of permeable and green areas by 2030
- More and more green public gardens by 2030
- Create a green streets grid by 2050

Protect water ressources

- 50 humide zones by 2030
- New natural swimming-pools by 2024



22 actions



25 actions

Paris' New Climate Action Plan



Merci ! Thank you !



ici, demain!
ensemble pour le climat

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