

HOW TO BE CARBON NEUTRAL BY 2050 ? PARIS' STRATEGY

Yann Françoise

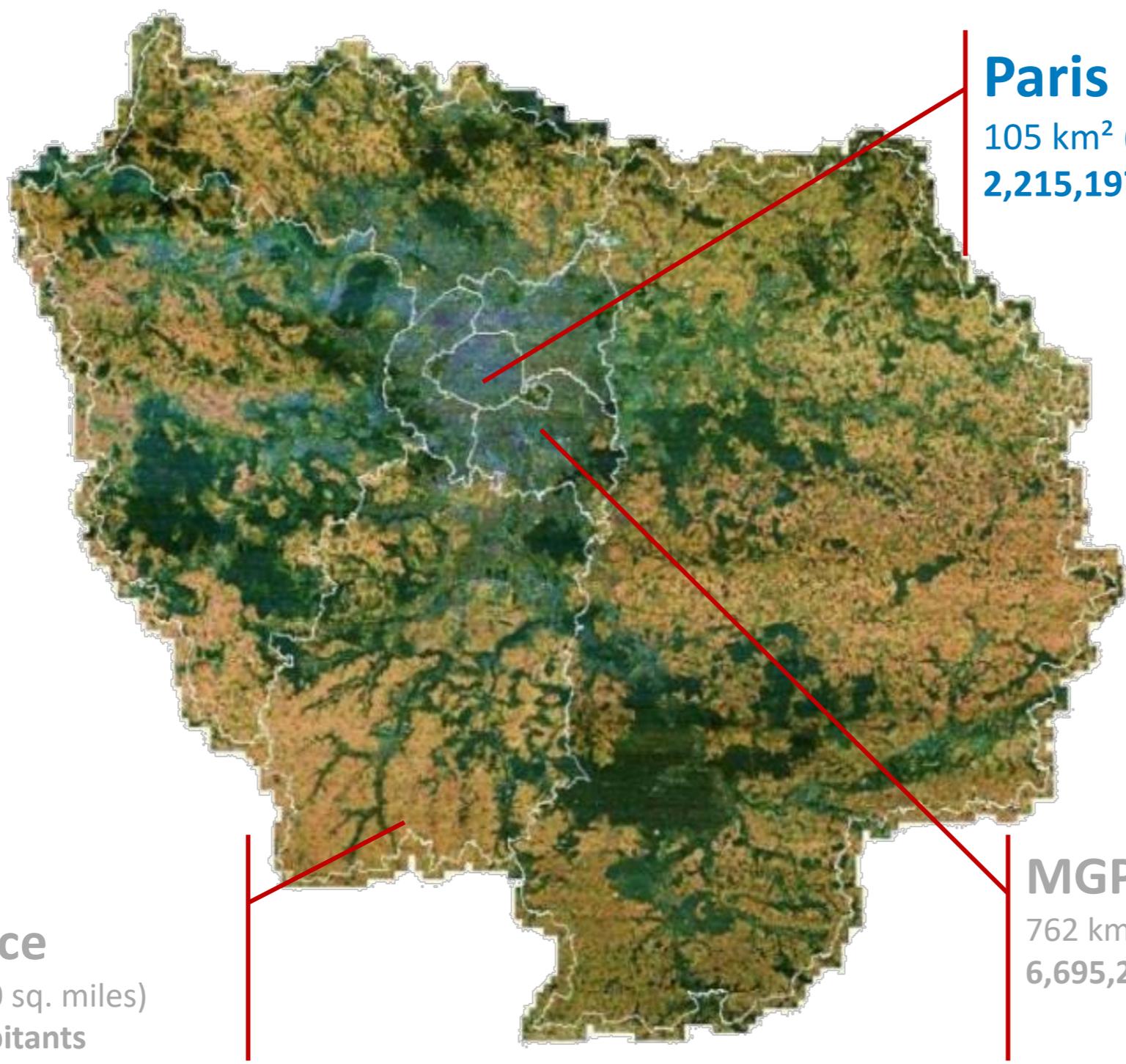
Head of climate, energy, circular economy strategies

City of Paris



ici, demain!
ensemble pour le climat

Paris and its region



Paris

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

MGP

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

Region

Île-de-France

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



1st Climate Actions Plan of Paris - commitments

Adopted unanimously 1st October 2007 and 11th December 2012

-75% GHG emissions by 2050 compare to 2004

-25% GHG emissions by 2020 compare to 2004

-25% energy consumption by 2020/2004

25% of renewable energies in the mix

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





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



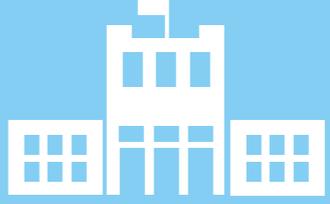
36,000
Energy renovated
social housing units



-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



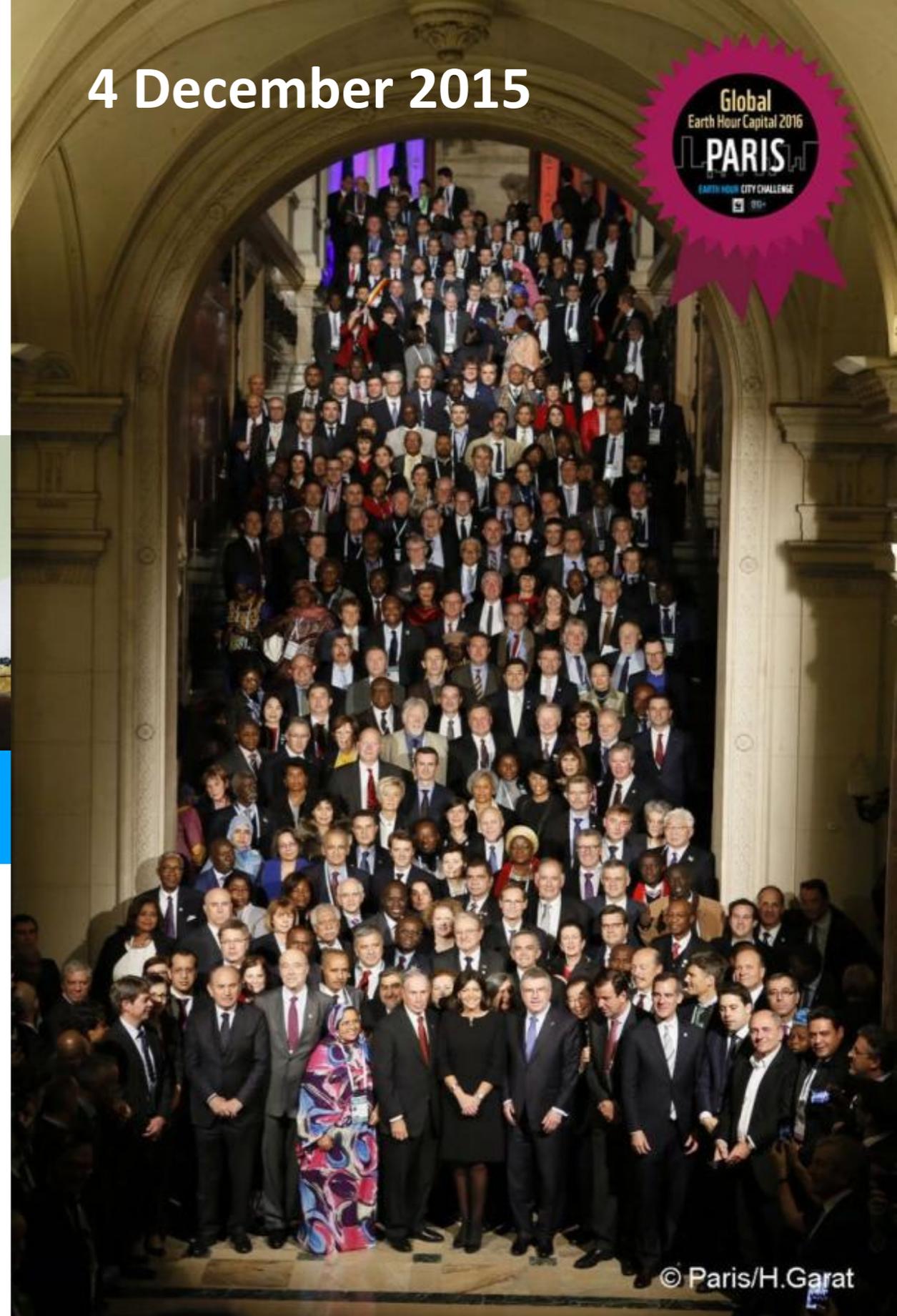
Paris' Agreement !



**LES VILLES
POUR
LE CLIMAT**



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



© Paris/H.Garat

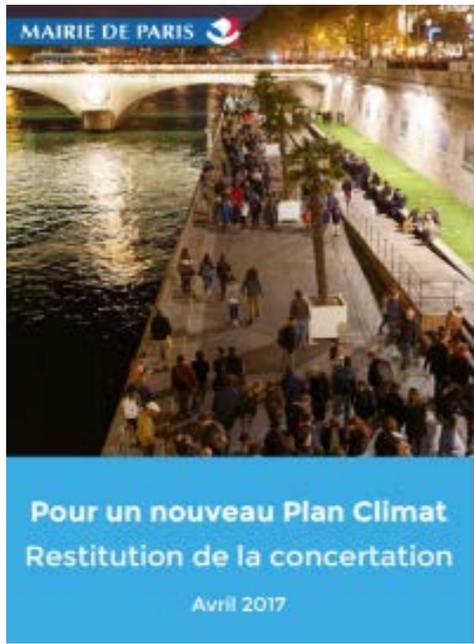
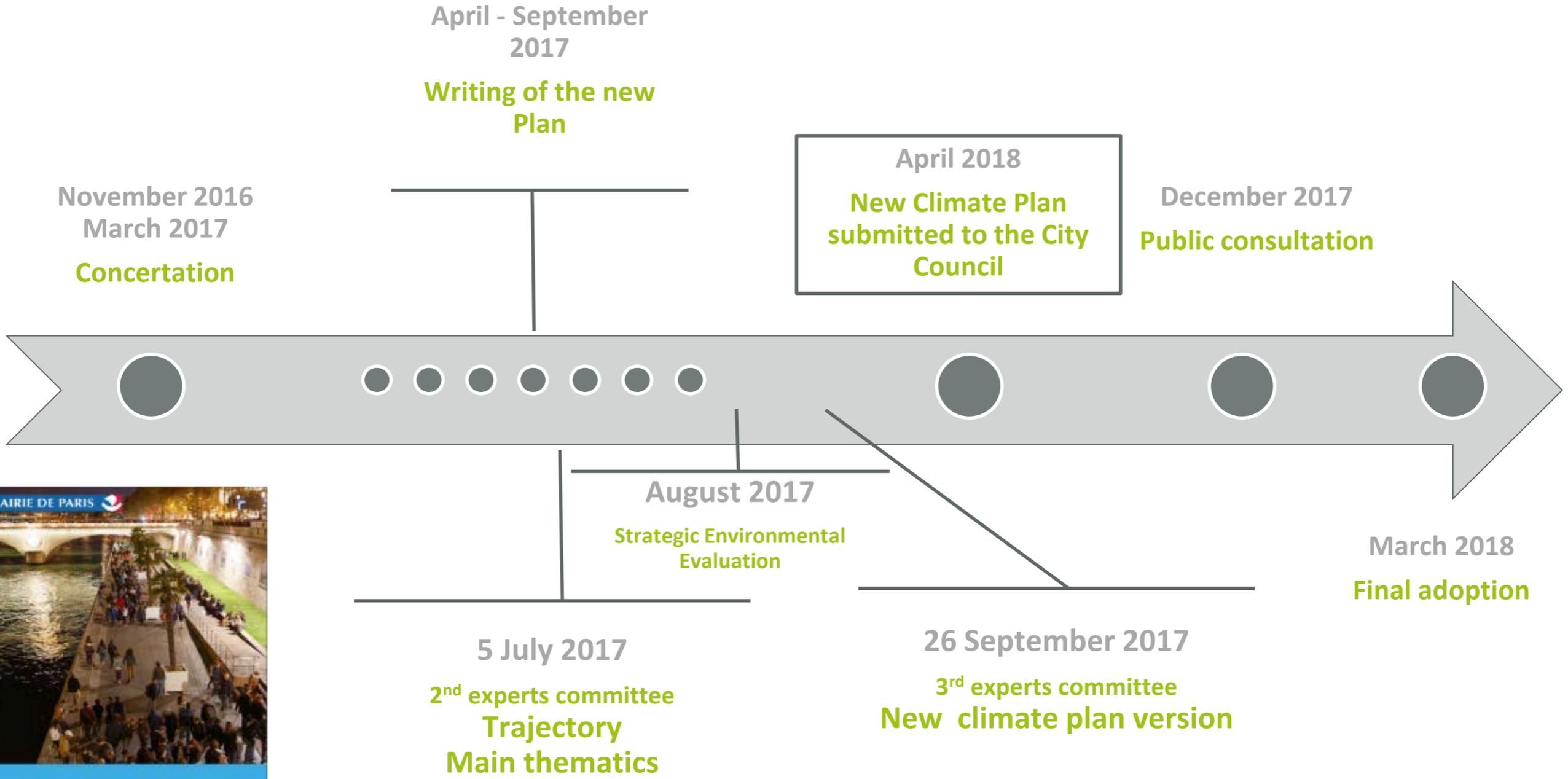
MAIRIE DE PARIS



PARKS AND ENVIRONMENT DIRECTORATE
URBAN ECOLOGY AGENCY – Climate and Energies Department

December 2017

New CAP : 18 month of work



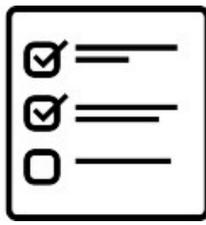
Concertation phase



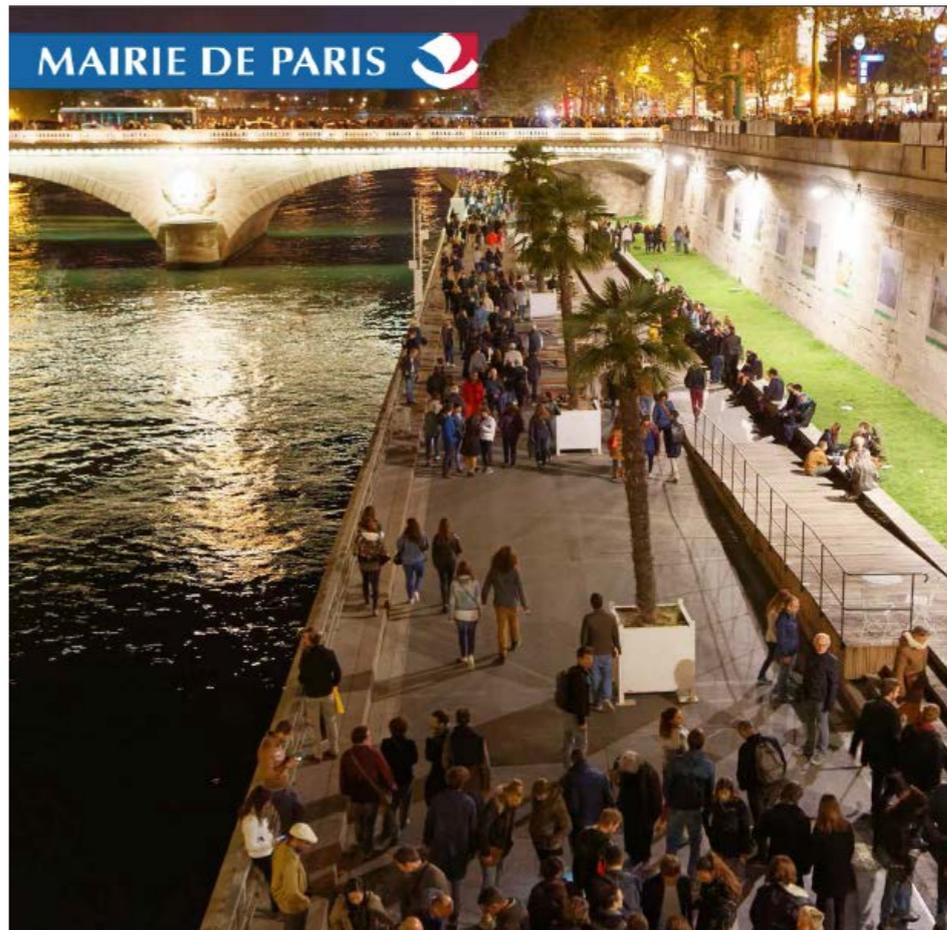
- ✓ **30 thematic workshops**
Transport, waste, air, finance, health...
- ✓ **700 persons** from economic sphere, associations, academia...



- ✓ **5 month** of concertation
- ✓ **+ than 100 hours** of debates and meetings



- ✓ **280 online proposals** from citizens



MAIRIE DE PARIS 

Pour un nouveau Plan Climat
Restitution de la concertation

Avril 2017

Carbon Neutrality?

Zero fossil emission?

Zero fossil emission?

Zero gross emission?

Zero net emission?

Local emission?

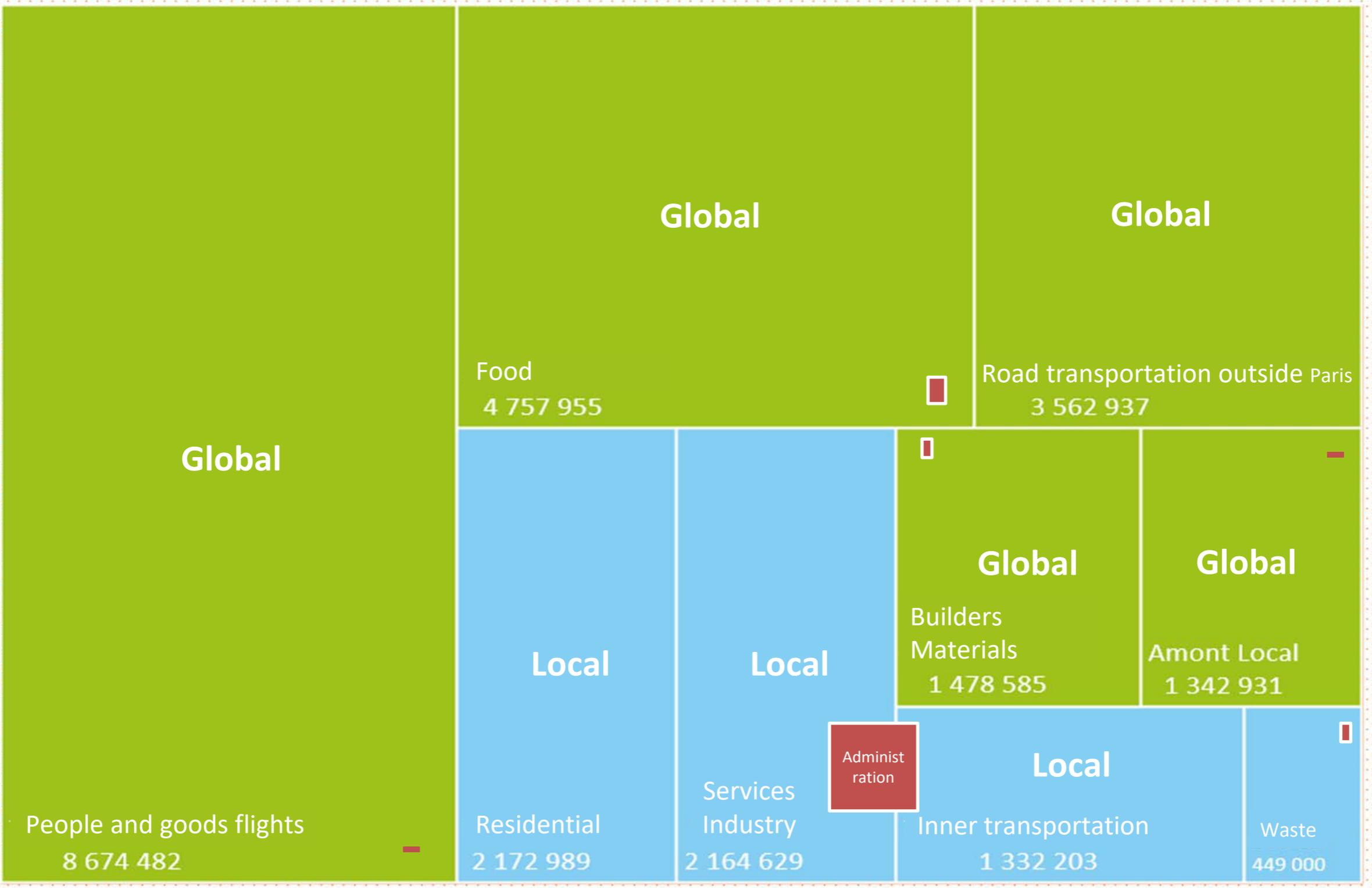
Global emission?

Paris' Carbon footprint

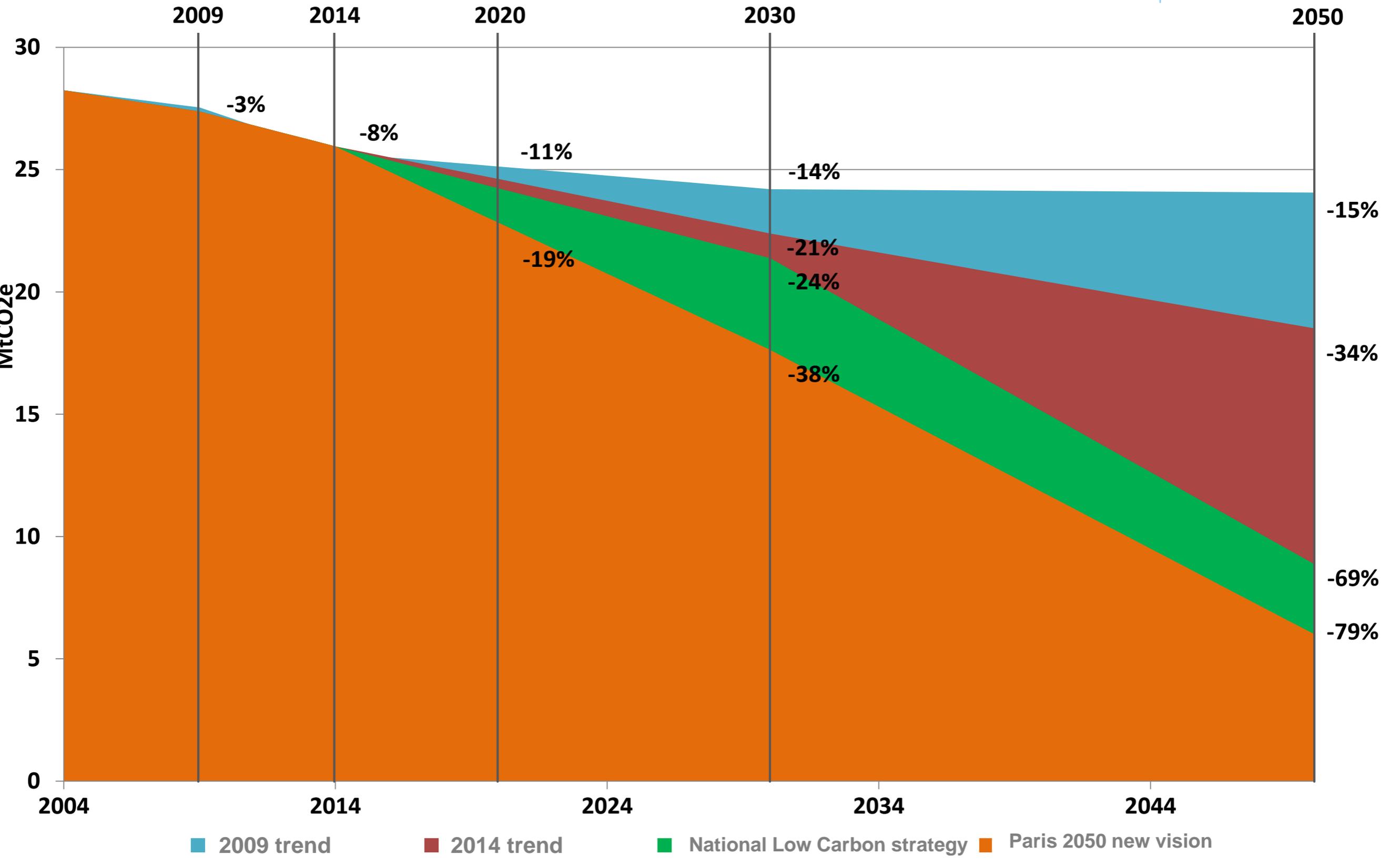


Administration
 <2% global
 emissions

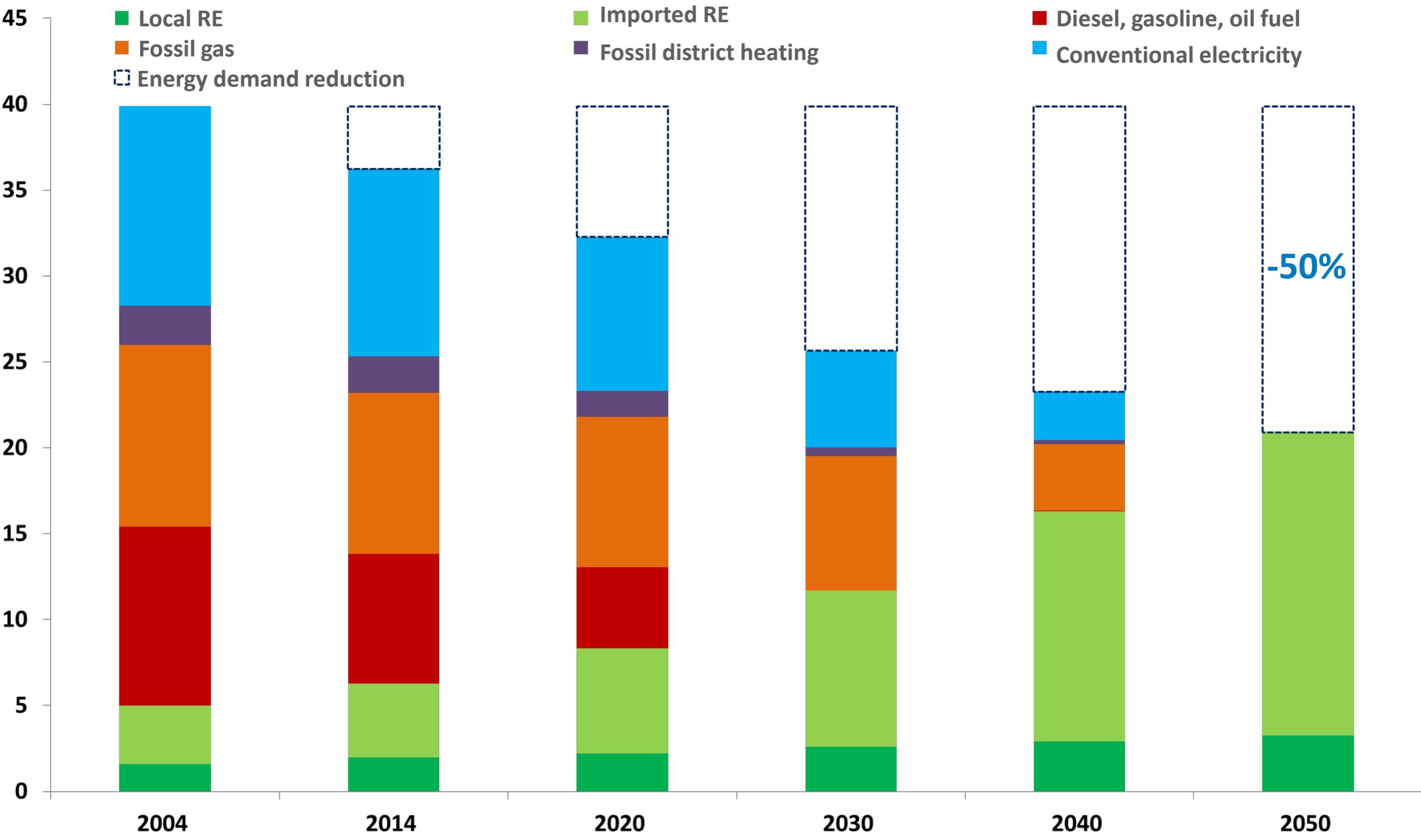
Local GHG emissions (scope 1&2+waste)



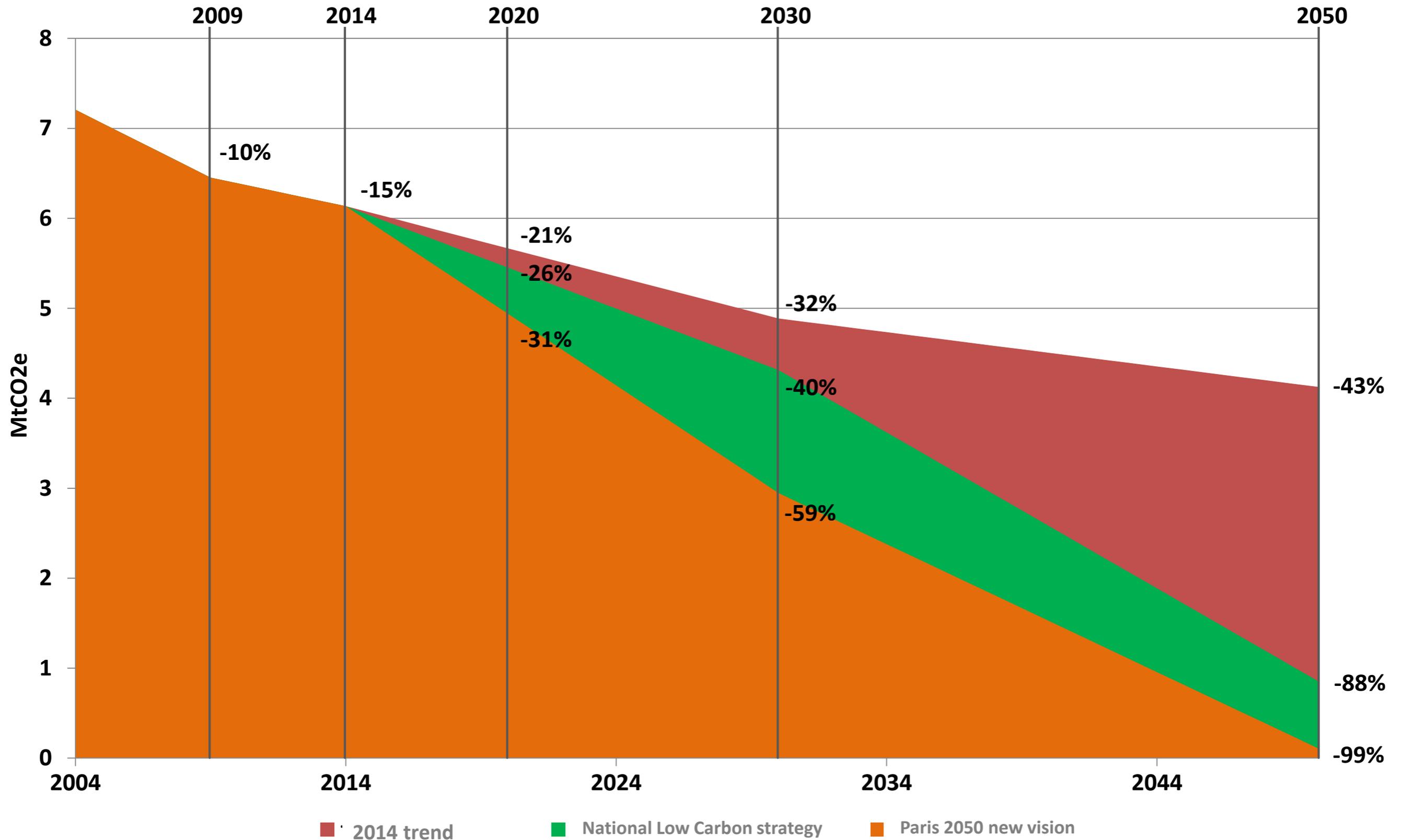
Paris' carbon footprint on 2050



Divide by 2 energy demand



Local emissions evolution



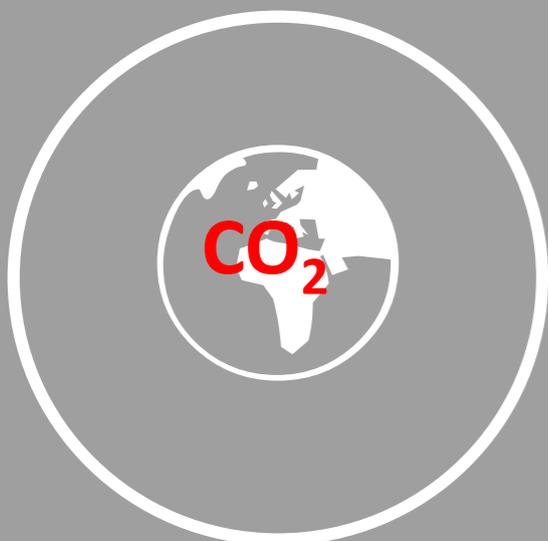


Zero GHG emissions
Intramuros
(LOCAL)

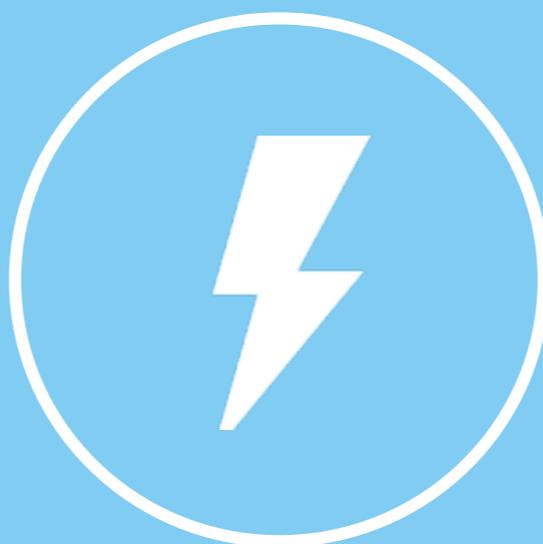
Key objectives 2050



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



-80%
of Paris carbon footprint



-50%
energy consumption
citywide
based on 2004



Offsetting 20%
residual emissions

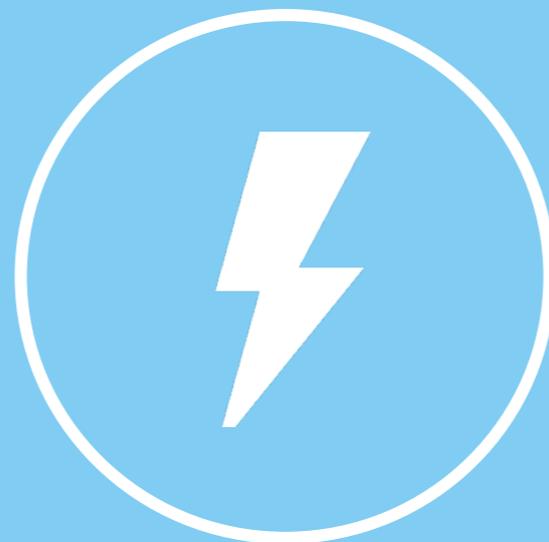


-50% GHG emissions
Intramuros
(LOCAL)



-40%
of Paris carbon footprint

Key objectives 2030



-35%
energy consumption
citywide
based on 2004

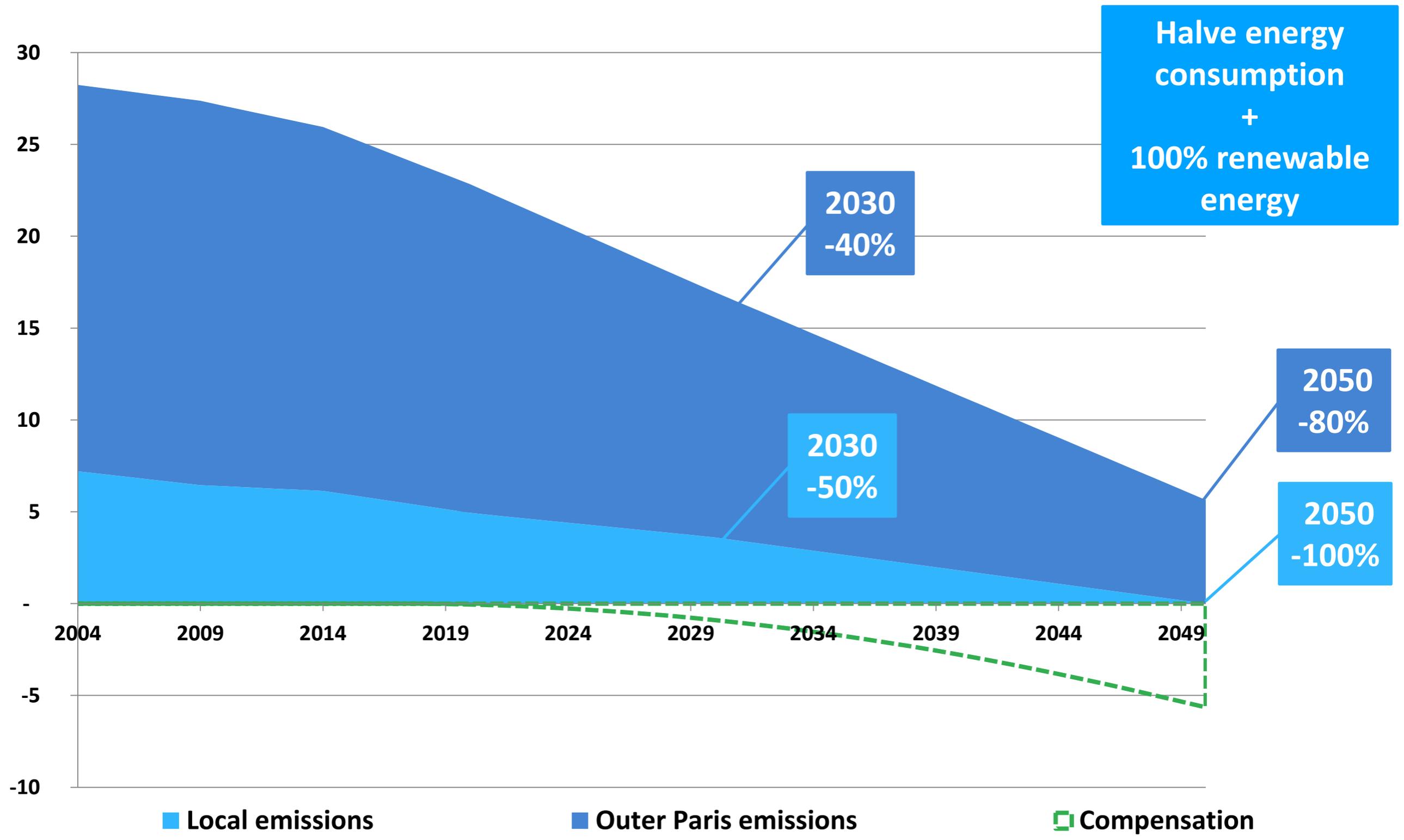


45% of renewable energy
in the Paris consumption
including **10%** of local production

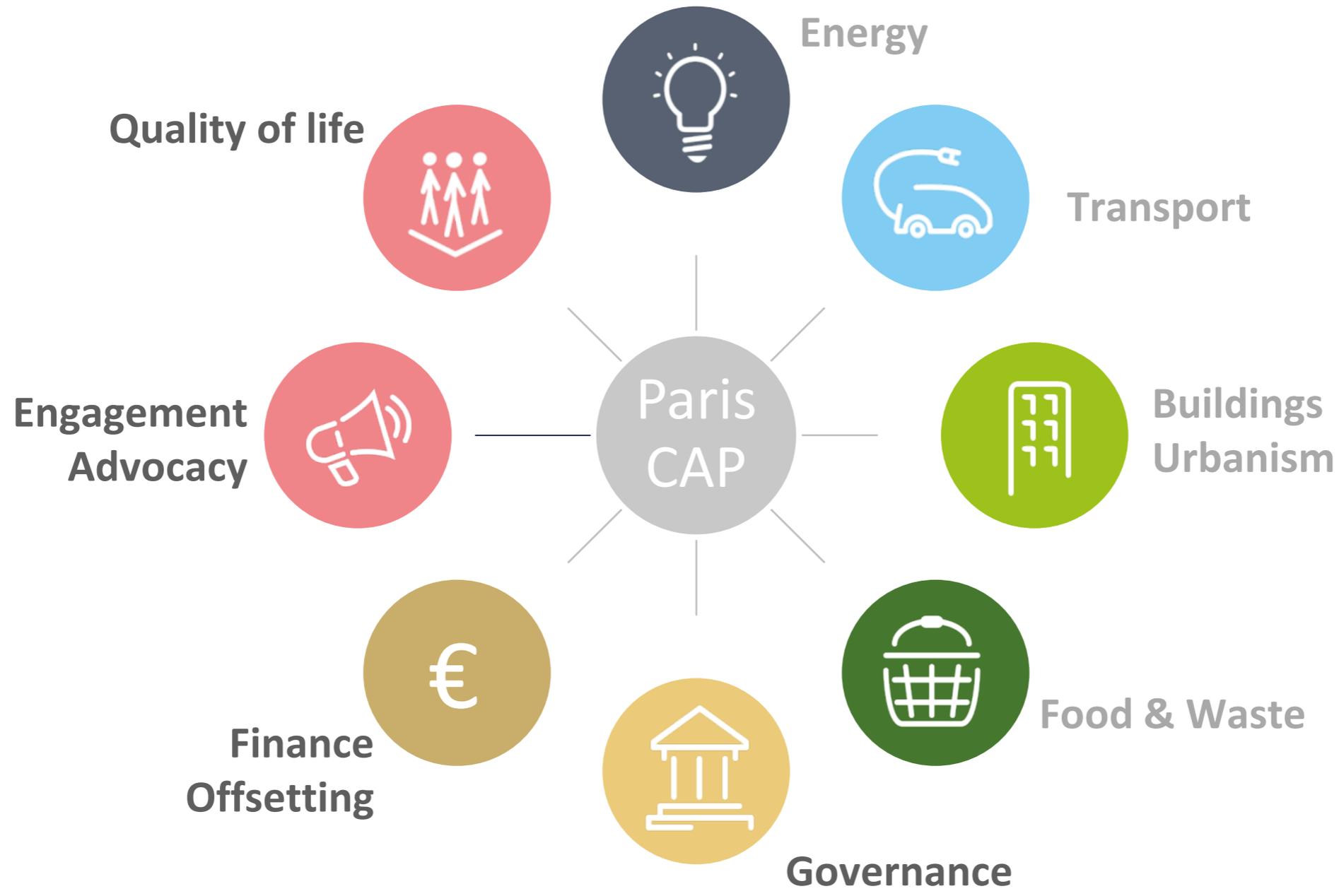


Comply with the **WHO**
recommendations on
air quality

Paris, a carbon neutral city by 2050



Key initiatives / key challenges

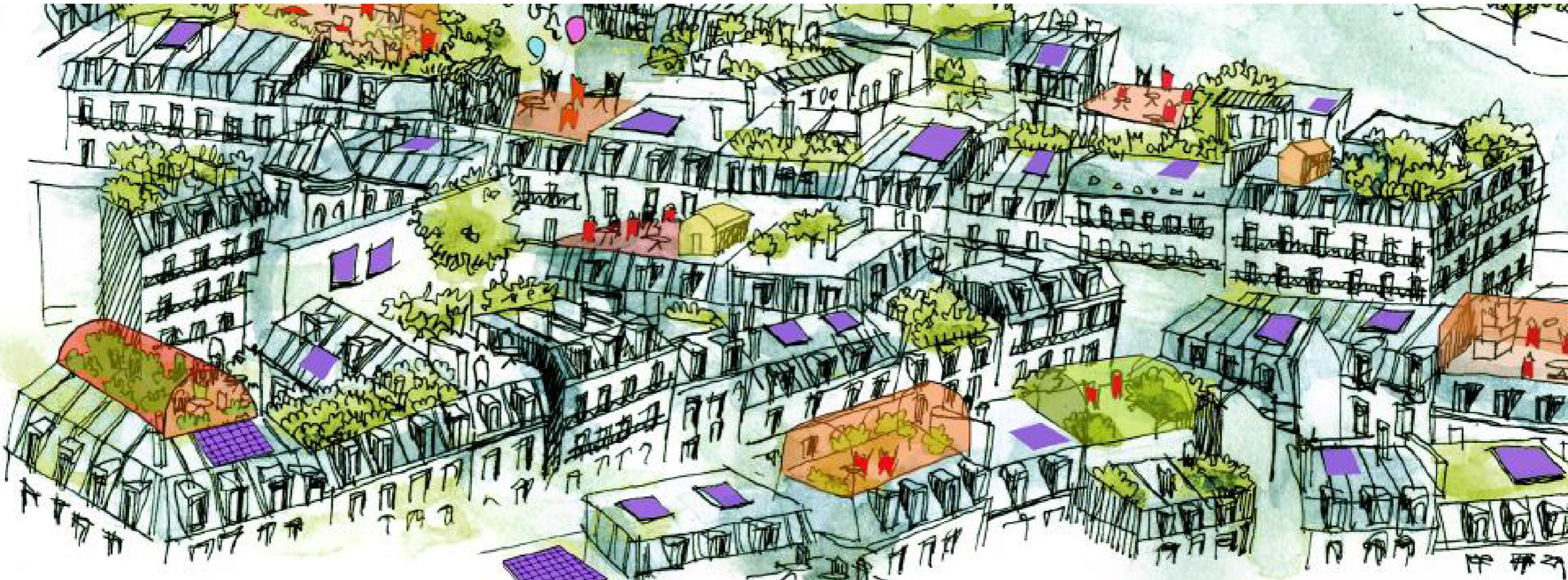


PARIS 100% RENEWABLES RIGHT TO ACCESS CLEAN ENERGY



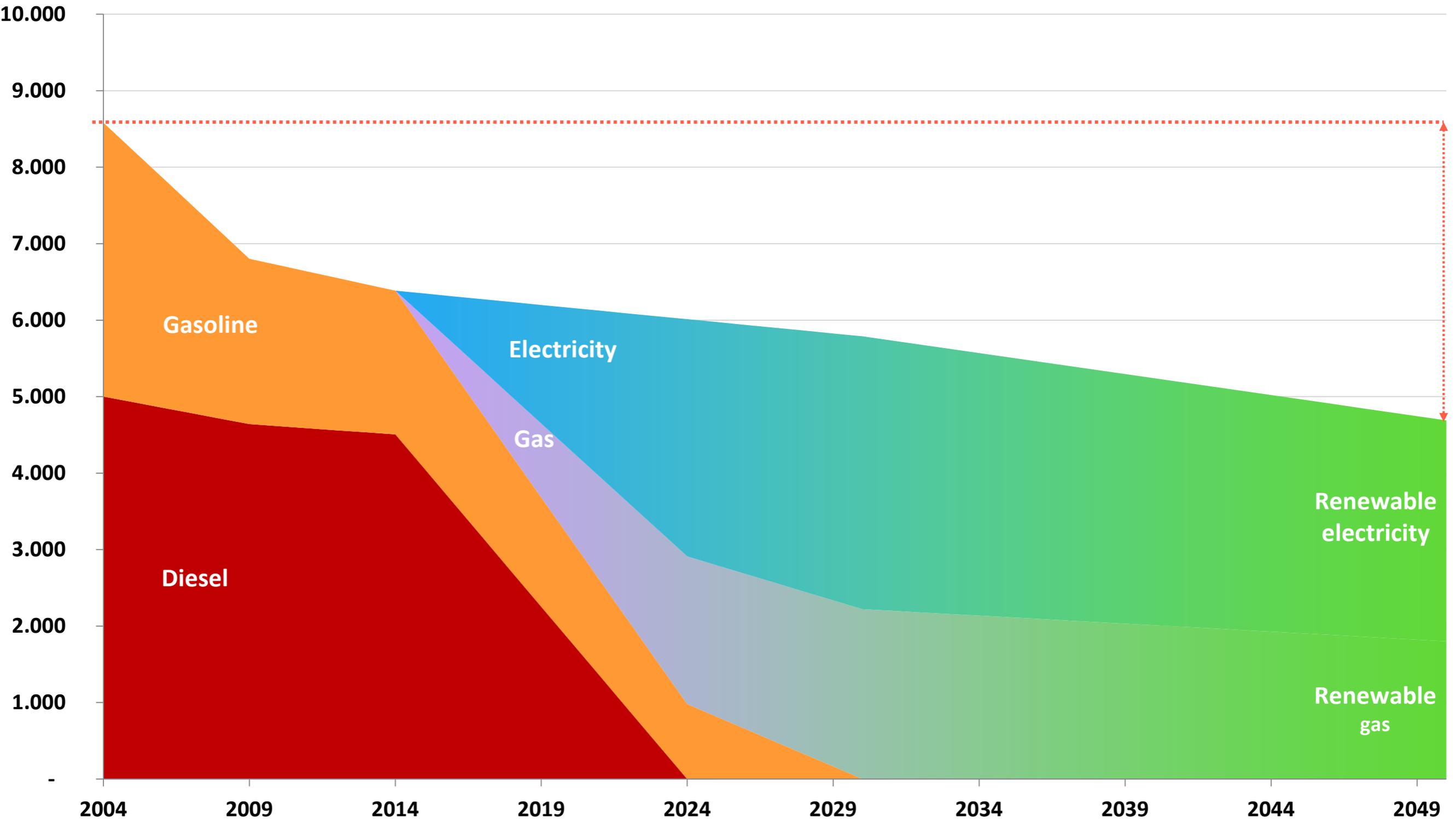
What's up for ACCOMMODATION ?

1 MILLION UNITS TO RETROFIT MINIMUM GAIN OF 50%



Mobility issues

Local on-road transportation (Mkm)



TRANSPORT orientations?

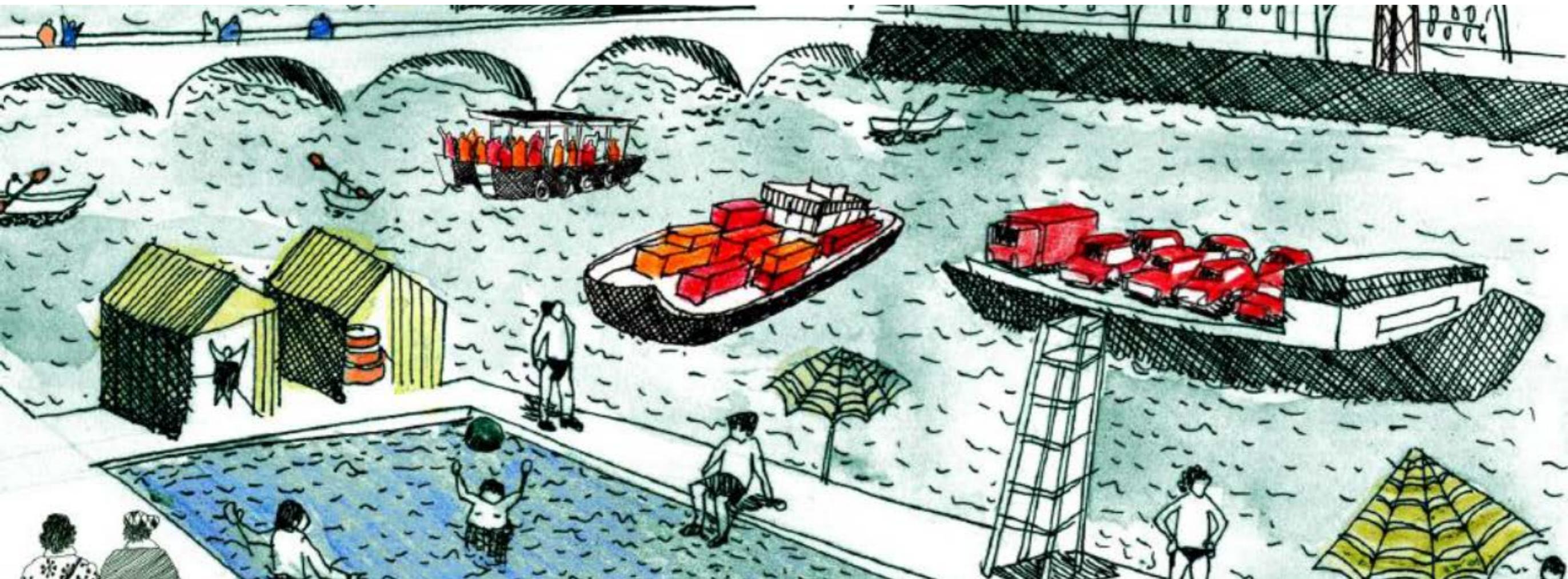
INDIVIDUAL MOBILITY

TRANSPORT OF GOODS

50% OF THE WAY!

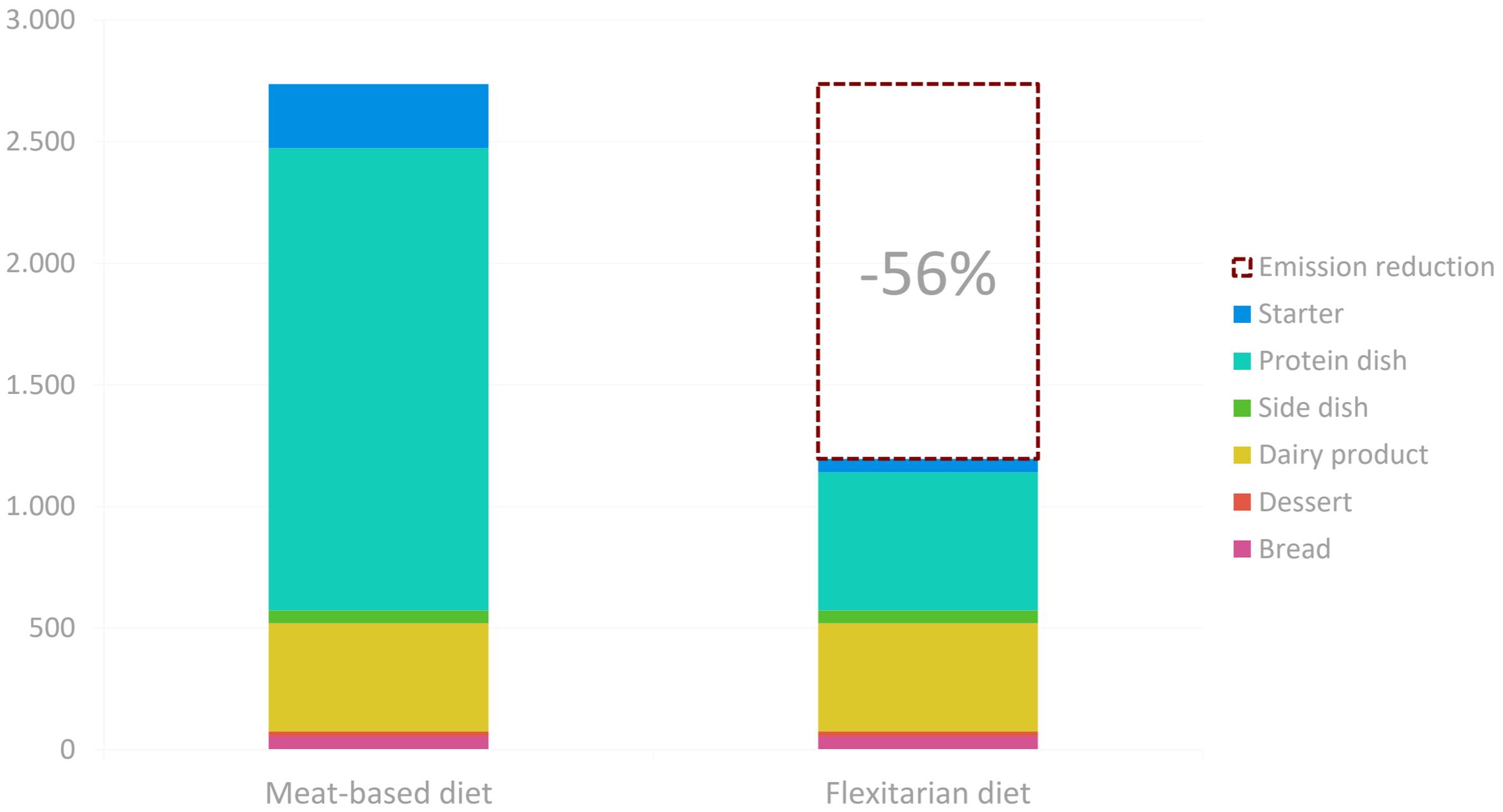
Zero emission Mobility

**Carbon Neutral
Delivery**



Flexitarian Diet

GHG emissions (gCO₂e)



FOOD 100% organic and local food in Paris

WASTE ZERO WASTE

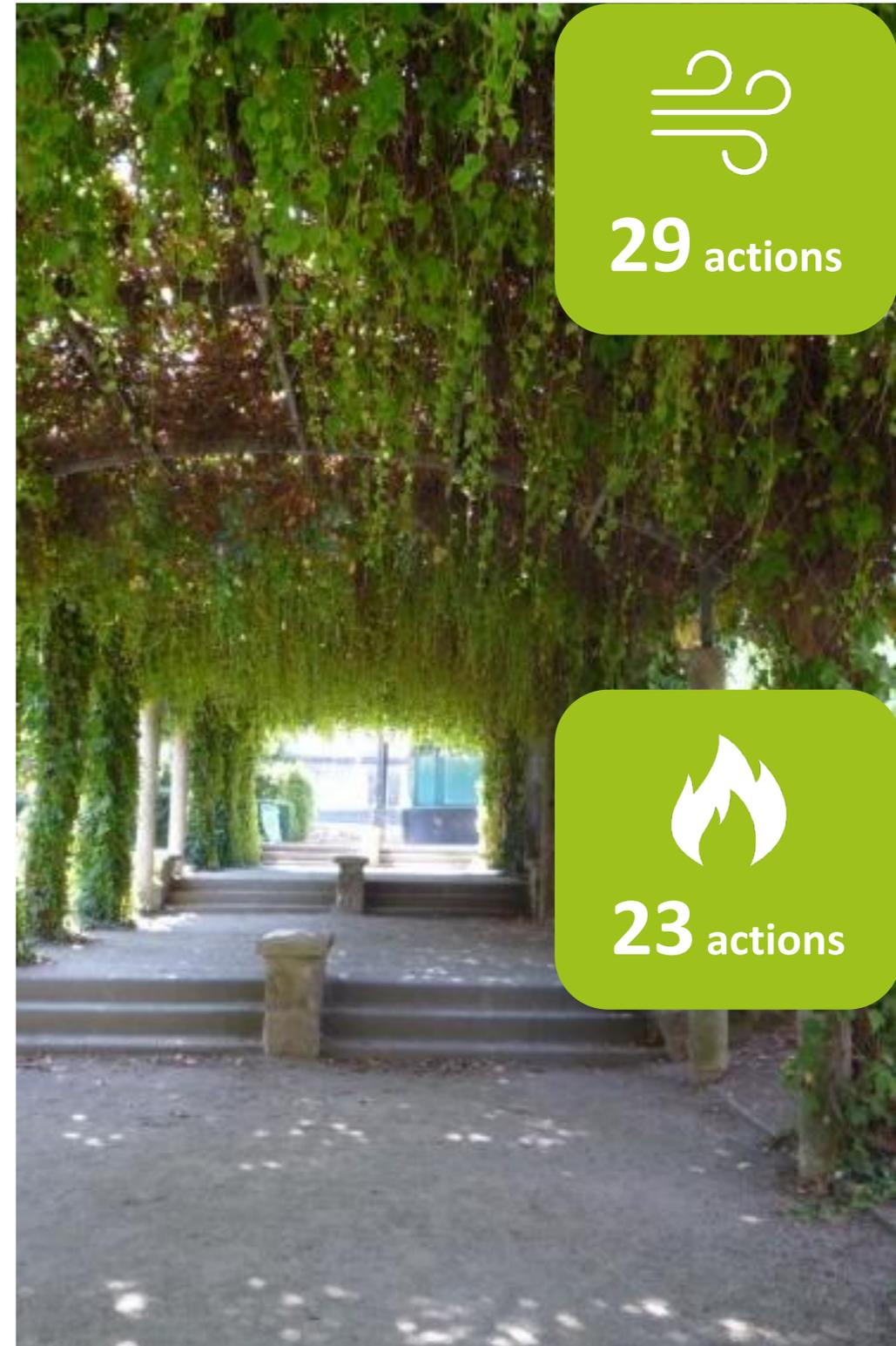


Pure Air by 2030

- 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



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 resources

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



22 actions



25 actions

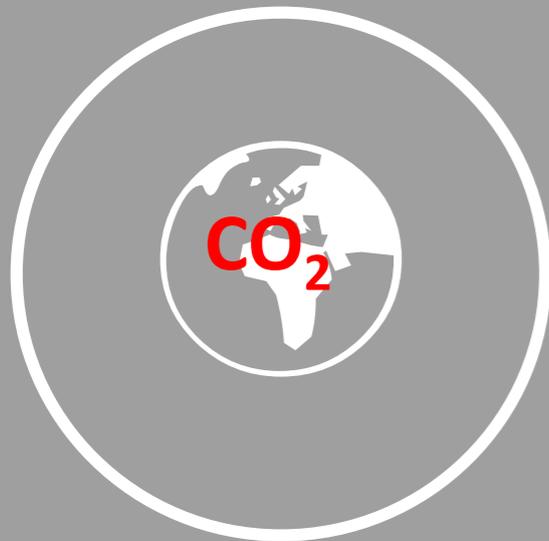


Zero GHG emissions
Intramuros
(LOCAL)

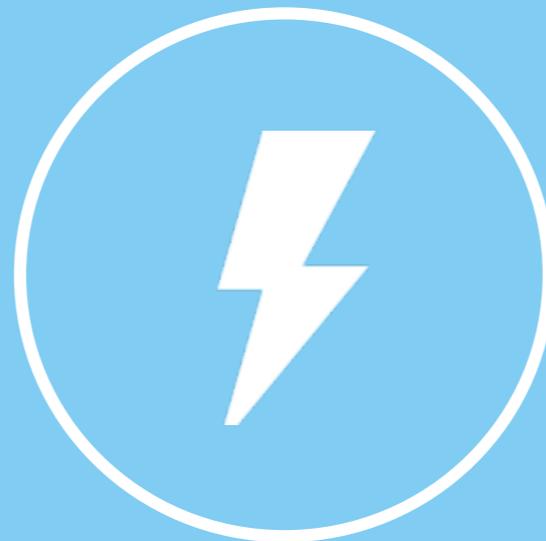
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Paris' New Climate Action Plan



 PARIS

Paris' New Climate Action Plan



Tak !
Merci !
Thank you !



ici, demain!
ensemble pour le climat

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