



HOW TO BE CARBON NEUTRAL BY 2050 ?

Paris' strategy for a fairer, inclusive and resilient city

Yann Françoise

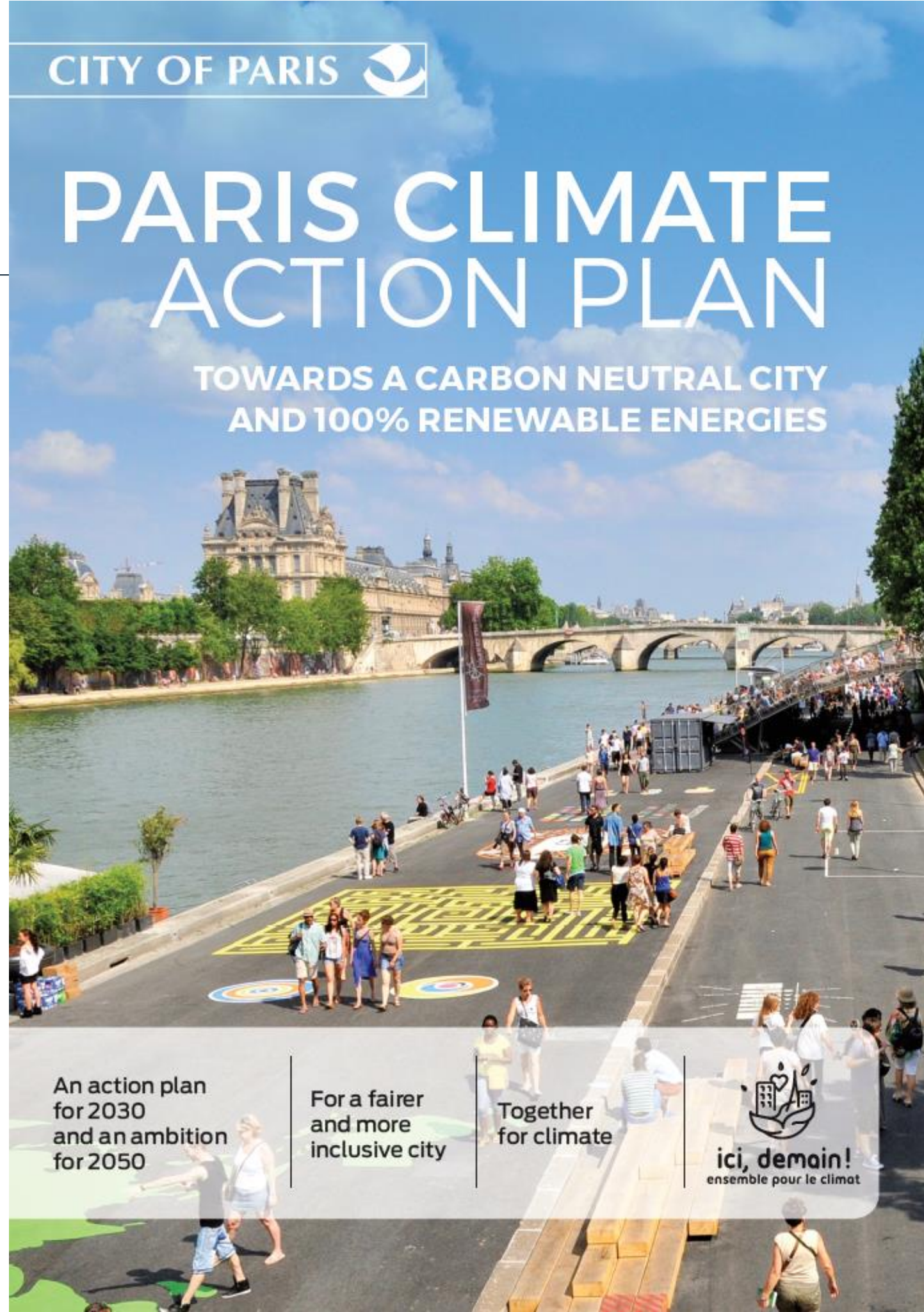
Head of climate, energy, circular economy strategies
City of Paris



CITY OF PARIS 

PARIS CLIMATE ACTION PLAN

TOWARDS A CARBON NEUTRAL CITY AND 100% RENEWABLE ENERGIES



An action plan for 2030 and an ambition for 2050

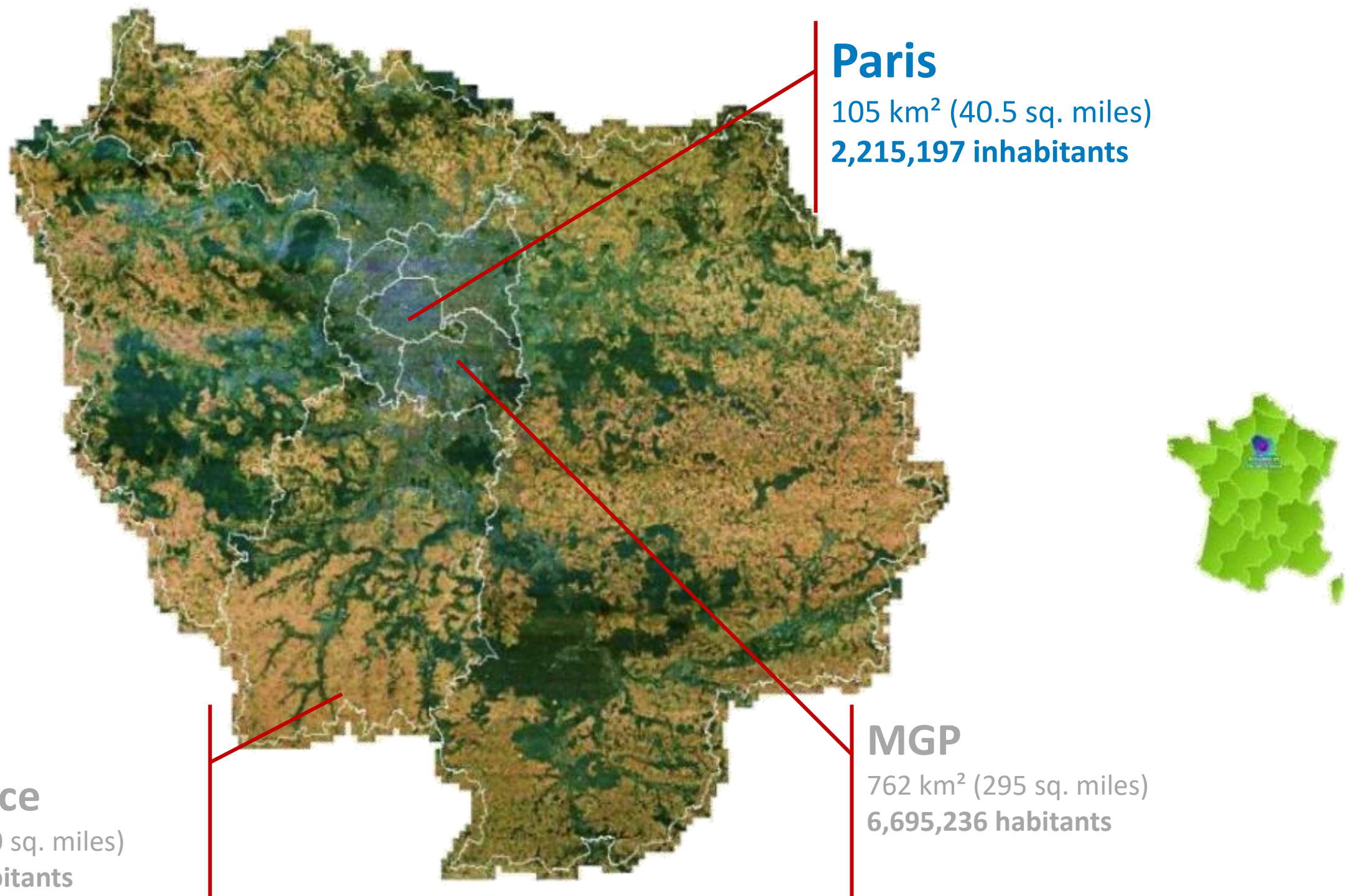
For a fairer and more inclusive city

Together for climate



ici, demain!
ensemble pour le climat

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

-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**



PARIS' CAP



**+12 YEARS
OF ACTIONS**





URBAN PLANNING FOR ENERGY EFFICIENCY

10% of Paris on high energy performances



LOW ENERGY AND AFFORDABLE HOUSING

46,000 social housing units retrofitted



THE TERTIARY SECTOR IN PARIS, A NEW CHALLENGE

Partnership contract with 61 major enterprises : 950,000 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

More than 200 actions taken, including



46,000

Energy renovated
social housing units

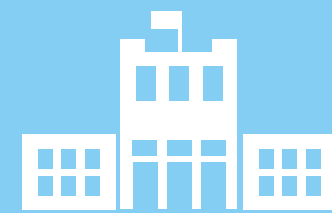


-39% GHG
From traffic in
central Paris



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

Zero fossil emission?

Zero fossil emission?

Zero gross emission?

Zero net emission?

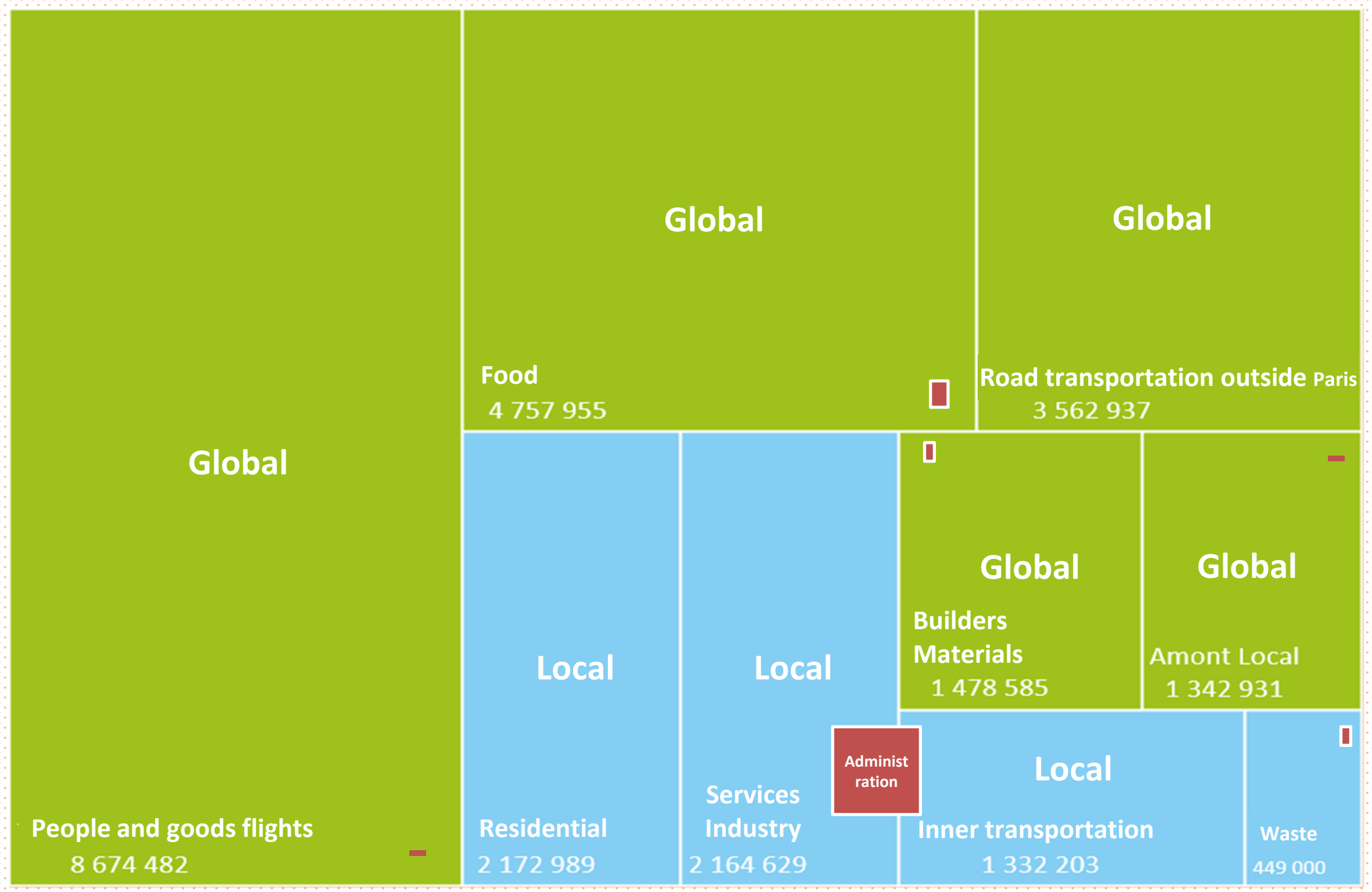
Local emission?

Global emission?

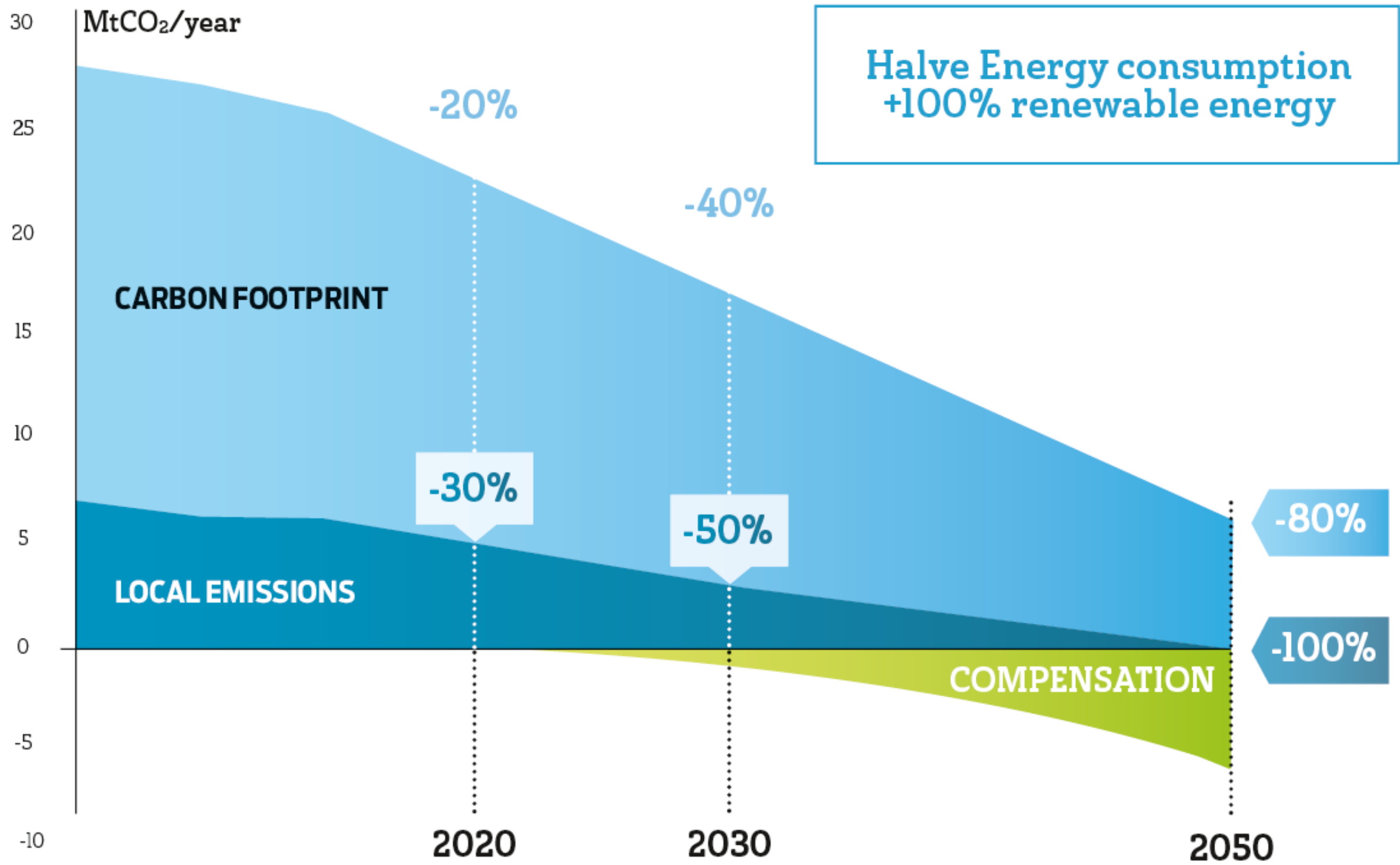
Paris' Carbon footprint

Local GHG emissions (scope 1&2+waste)

Administration
 <2% global
 emissions



Paris, a carbon neutral city by 2050



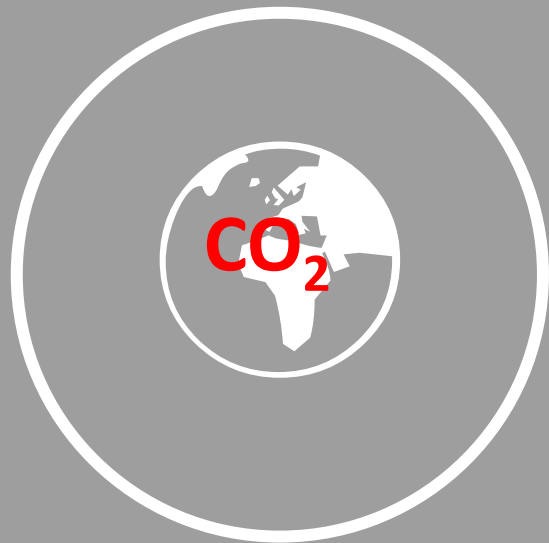


Zero GHG emissions
Intramuros
(LOCAL)

Key objectives 2050



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



-80%
of Paris carbon footprint



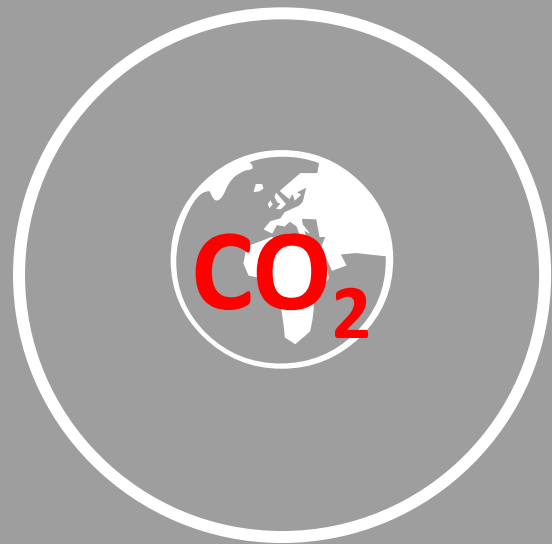
-50%
energy consumption
citywide
based on 2004



Offsetting 20%
residual emissions



-50% GHG emissions
Intramuros
(LOCAL)



-40%
of Paris carbon footprint

Key objectives 2030



-35%
energy consumption
citywide
based on 2004

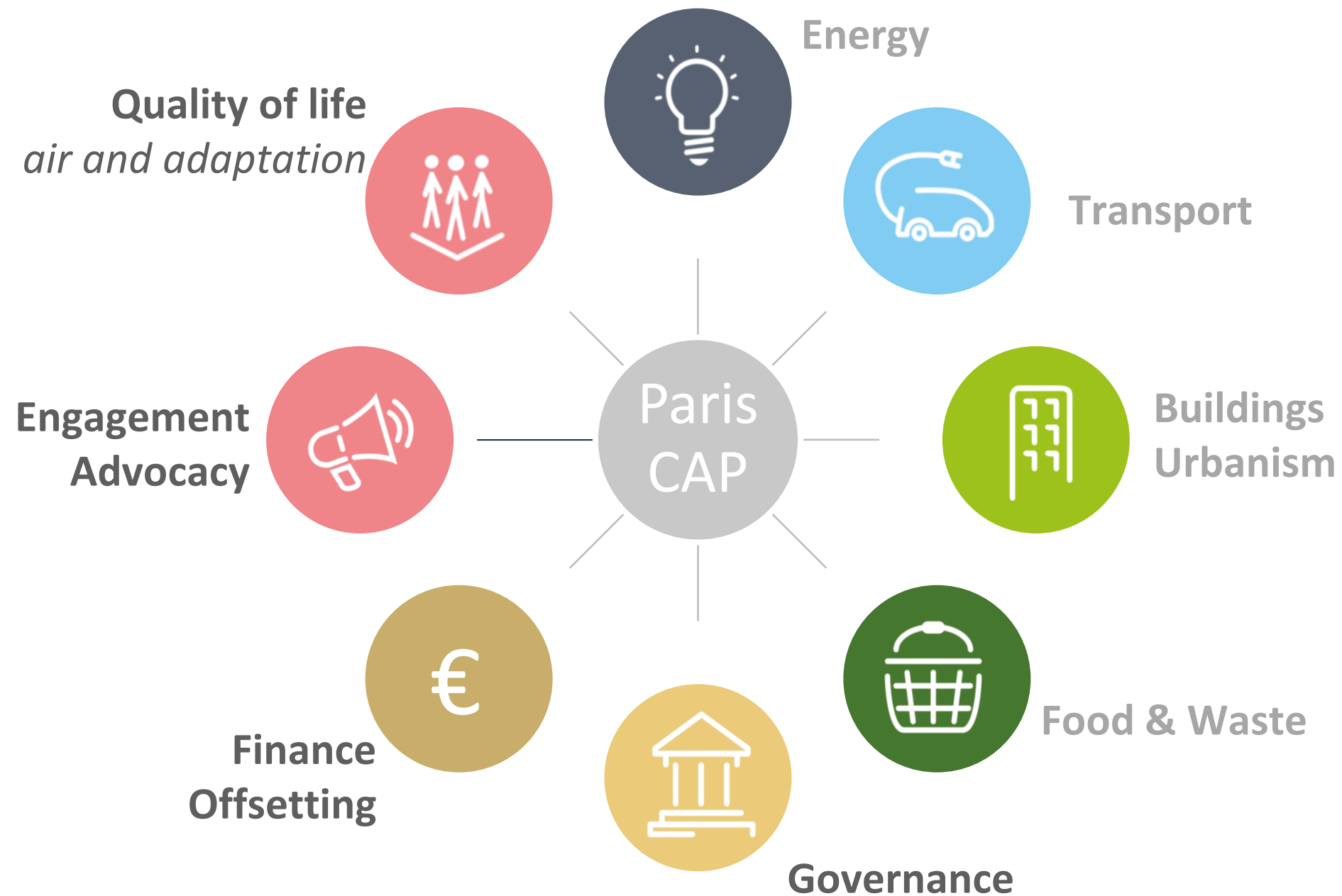


45% of renewable energy
in the Paris consumption
including **10%** of local production



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

Key initiatives / key challenges





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



PARIS BIEN
DANS SON
ASSIETTE

VERS UNE ALIMENTATION
DURABLE, INCLUSIVE, RÉSilIENTE

**50% of food
from Paris' region
by 2030**



Offsetting 20%
residual emissions



ParisActionClimat

New companies
partnership
PARIS ACTION
CLIMATE



Grant Agreement



Signature



Commitments



Partners club

65



Communities



Conferences



Workshop or
« Taskforces »



Projects and
experimentations

450

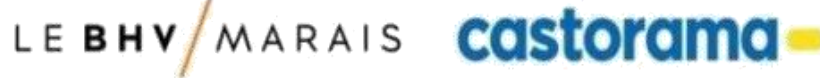


PARIS



ParisActionClimat

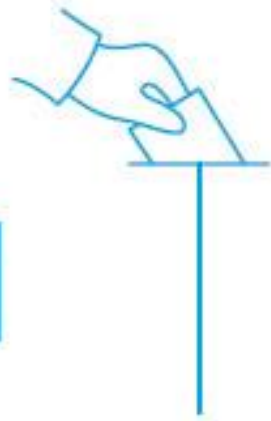
65
SIGNATORIES
(2019)



Votation !

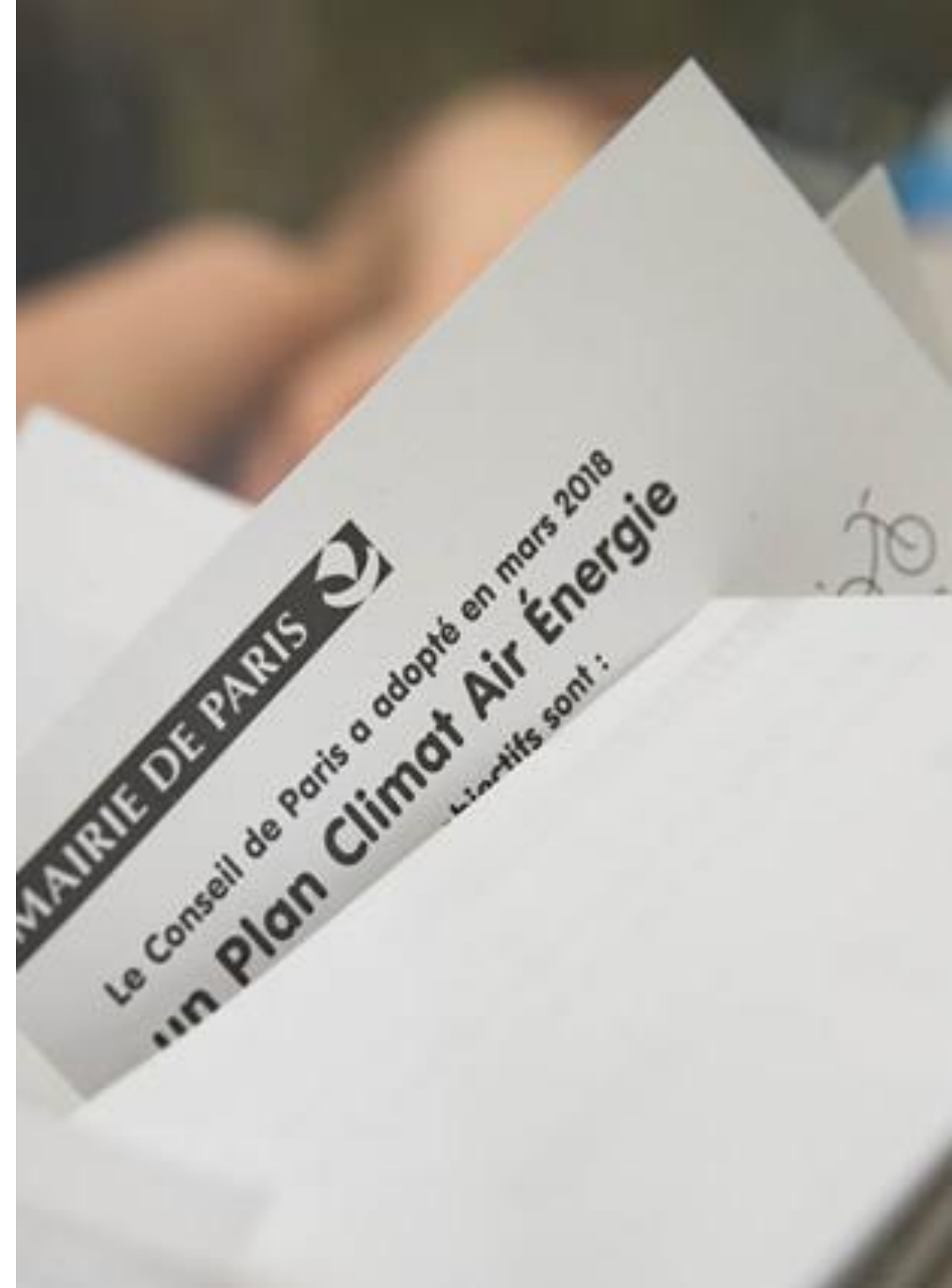
NOMBRE DE PARTICIPANTS 
73 765

OUI 
70 781
SOIT 95,95 %



NON 
2 984
SOIT 4,05 %

15 040 Volunteers
29 000 « followers »



Finance and Finance ?

- **Green and social bonds**
- **Paris Green Fund**
- **Paris' participatory budget**
- **Local compensation operator**
- **Carbon Neutral protocol**



Climate bond figures (2015)

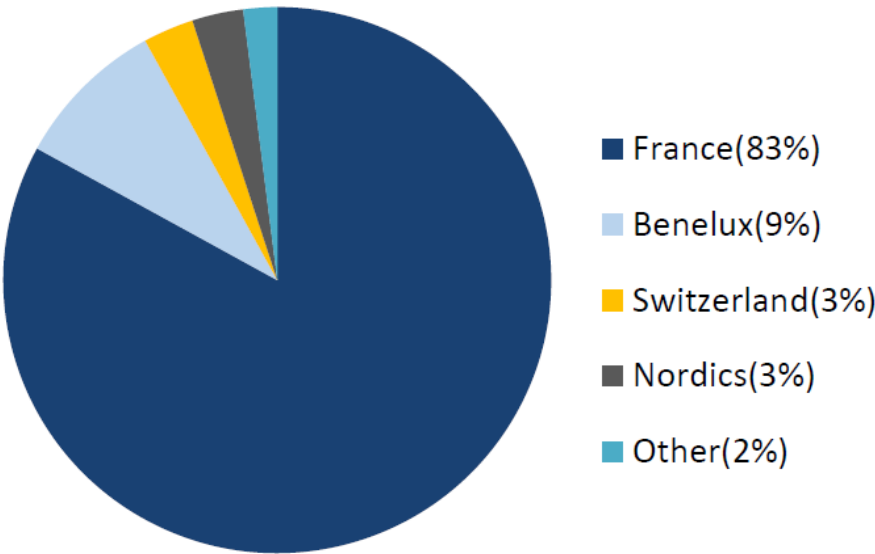
Distribution by Geography % of allocation

€300 million

€420 million demands

€60 million

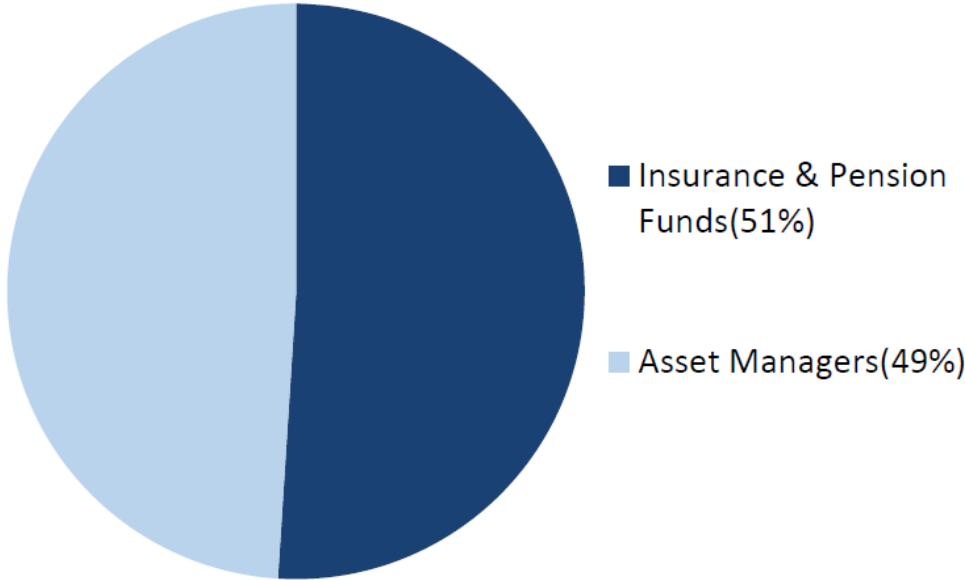
to adaptation projects



Distribution by Investor Type % of allocation

1.750% (OAT+30 bp)

15 years



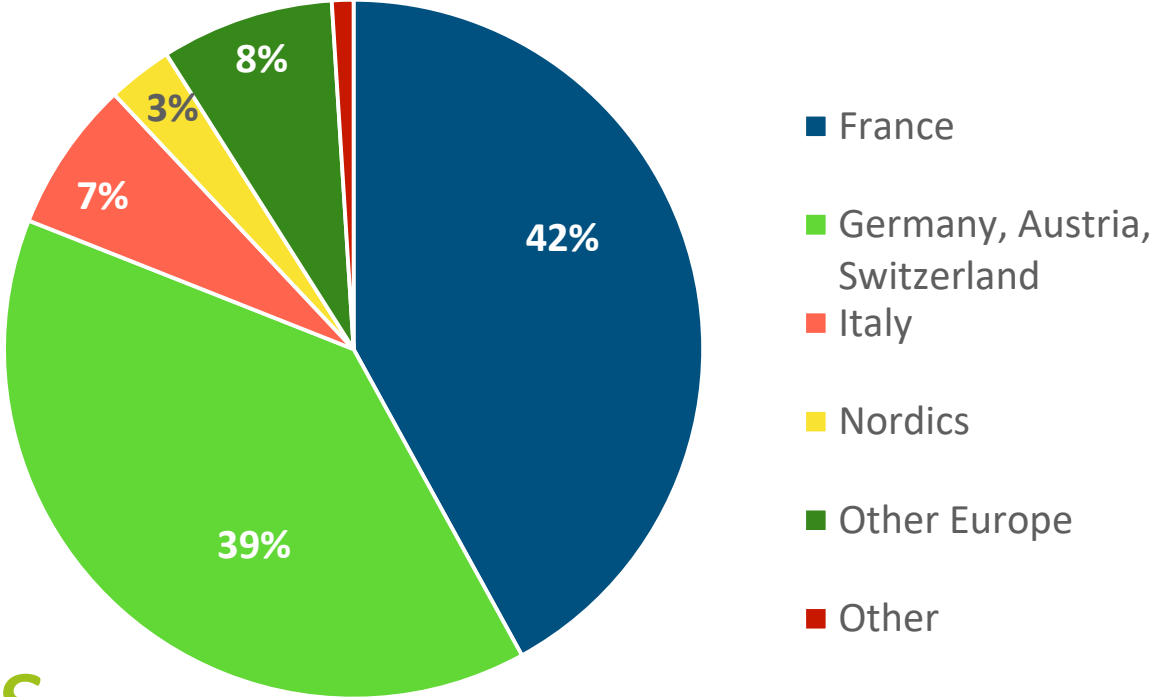
Sustainability bond figures (2017)



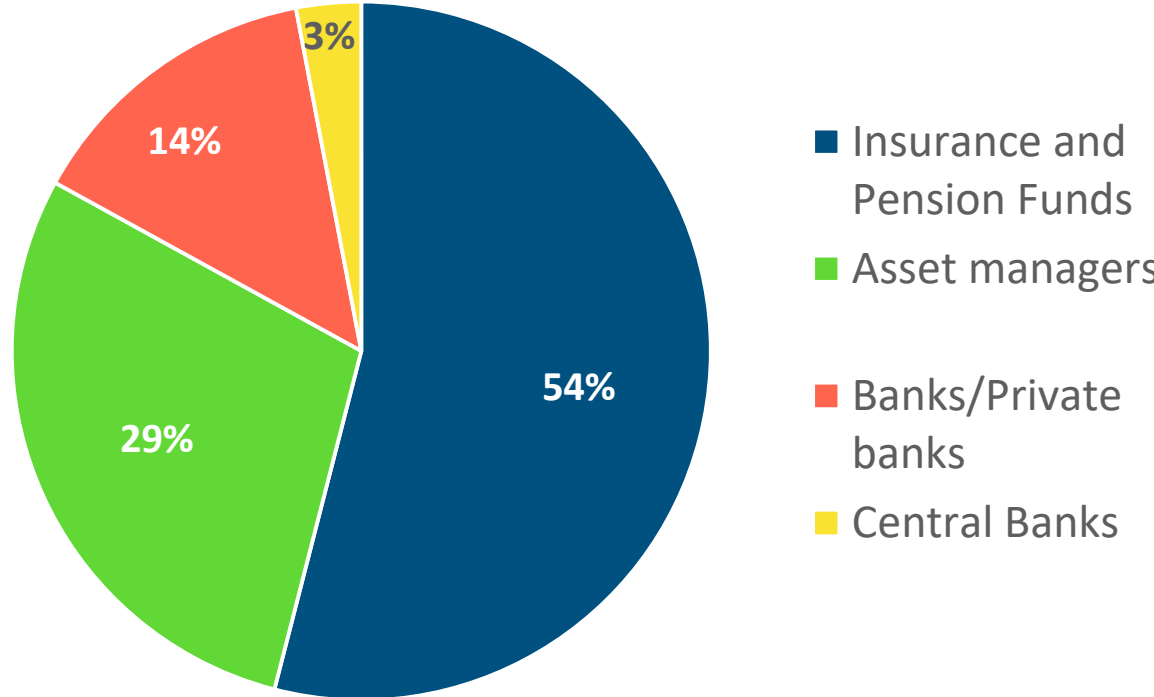
€320 million
€1.5 billion demands

€60 million
to adaptation projects

Distribution by geography % of allocation



Distribution by investors % of allocation



1.428% (OAT+20 bp)

17 years



Objective:

Leveraging public and private investment to finance innovative and fast growing SMEs to accelerate the ecological transition in large cities

- > A territorial investment fund for the ecological transition initiated by the City of Paris ;
- > Managed by an independent management company (Demeter) ;
- > Investing in innovative companies whose solutions contribute to accelerate the ecological transition ;
- > Building on the innovative ecosystem existing in the Paris area.

€200m fund = strong leverage on Paris city investment (€15m)

Institutional investors



Corporates



Innovative & fast growing & profitable SMEs

Building Mobility Energy Air Waste Digital



€5m to €15m unit investment in equity

x 2 net multiple, 15% net IRR

Paris' participatory budget

- 2014-2019 : 500 M€ decided by Parisians
- At least, 20% of initiatives should concerned Climate issues



Greening Paris

Soft mobility



Solar panels citizen cooperative



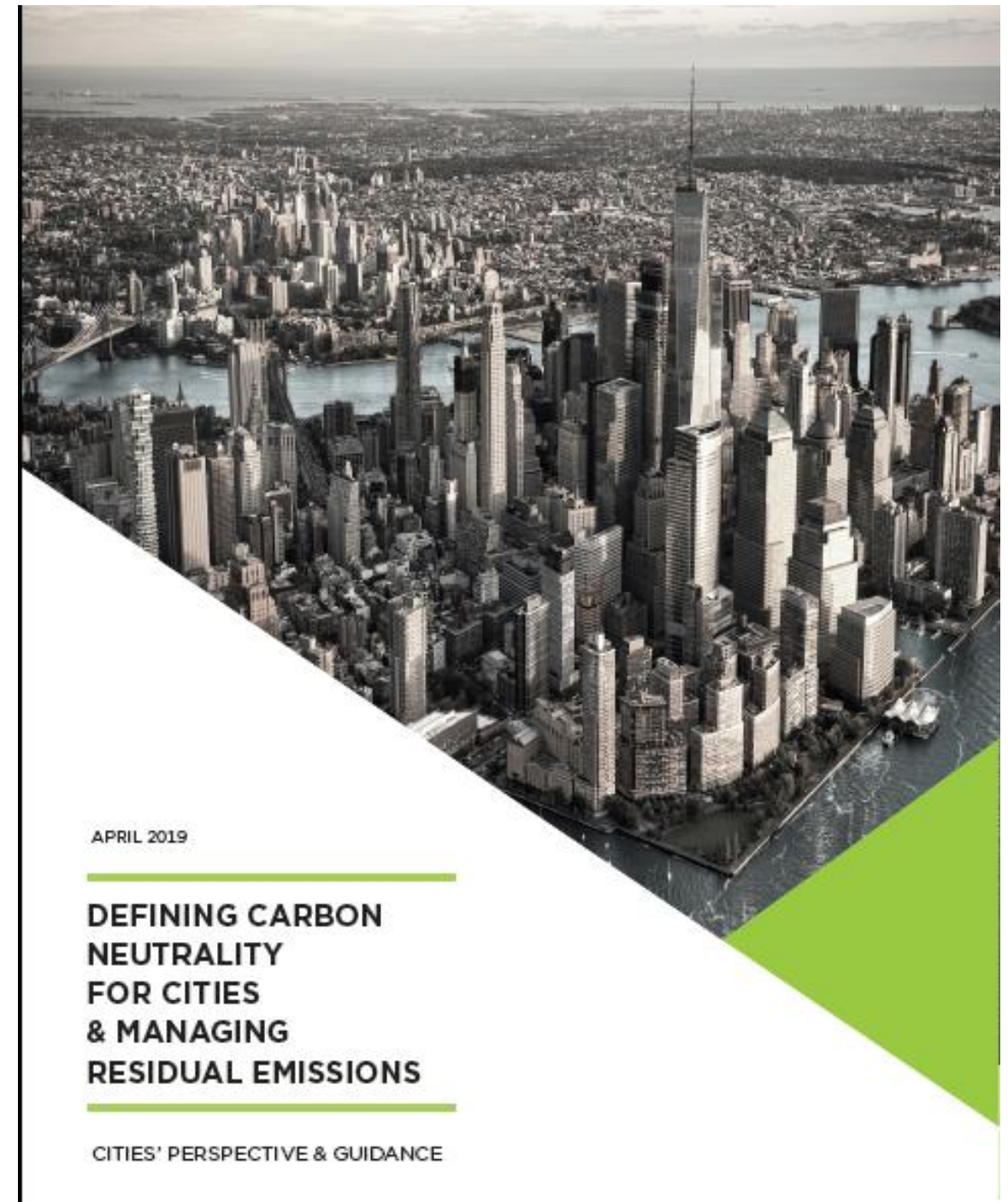
Cool islands solutions

<https://budgetparticipatif.paris.fr/bp/>

- Focus on drastically mitigating emissions
- Comply 5 guiding principles of voluntary carbon offset
- **Promote offset at local level to accelerate and finance local transition**
- Use part of Paris' offsetting to finance international solidarity initiatives
- Adopt a policy to define a fair price

- Offer an opportunity to finance local projects for **Institutions, companies and citizens**
- « **keep the money home** », financing rather local project than at international scale
- Offsetting the residual GHG emissions of Paris
- Develop new vision of carbon offsetting : **renewable energy, retrofitting, sustainable mobility**
- Use « Paris » branding to involve investors in financing climate action projects

- Establish a shared understanding of city carbon neutrality
- Identify common principles on:
 - Mechanisms for addressing residual emissions, and
 - Measuring and reporting both gross and net emissions in cities, to ensure **transparency**, environmental integrity, and alignment with emerging global mechanisms.
- Provide **guidance**, including through shared international best practices





Merci !
Thank you !



ici, demain!
ensemble pour le climat

Yann FRANÇOISE
yann.francoise@paris.fr
<http://www.paris.fr/planclimat>