



Paris

Greening as a priority

Thomas Pérez-Vitoria

Deputy Head of the Urban Ecology Agency

Department of Green Spaces and Environment at the City of Paris.

thomas.perez-vitoria@paris.fr

Paris – a dense urban area and its challenges

Surface area of 10,540 hectares, or around 100 km².

2.15 million inhabitants, i.e. more than 20,000 people per km².

Around the same number of users, in a conurbation of 11-13 million inhabitants

World capital, classified as a tourist, cultural and economic center

→ **Severe constraints on use**

Région Ile-de-France
12 000 km²
12 million inhabitants



Ville de Paris
100 km²
2,27 millions d'habitants





La Seine © Marie GANTOIS

Green spaces and trees in Paris

2023 facts and figures

531 gardens and green parks in Paris (454 hectares)

20 cemeteries: 14 in the inner city and 6 outside of Paris (422 hectares)

2 large woods of Boulogne and Vincennes (≈ 2,000 hectares)

An overall figure of ≈ 600,000 trees in Paris

Including + 500,000 trees managed by the City of Paris:

- ≈ 300,000 trees in the 2 parisian woods
- ≈ 100,000 trees in streets, avenues, etc.
- ≈ 50,000 trees in green parks
- + 30,000 trees in cemeteries
- ≈ 15,000 trees in public buildings (schools, sports facilities, etc.)
- + 6,000 trees along the ring road



Additional ≈ 100,000 trees in private land and state owned areas

Canopy cover: 21% of the Paris territory

A Botanical Garden in 4 different sites within the woods

Green roofs and green walls (131 hectares)

Urban agriculture (33 hectares)

Plan for Nature: Paris plans and strategies involved in greening the City

Urban masterplan
(and its latest version,
the bioclimatic urban
masterplan)

The Biodiversity Plan

The Paris Climate
Action Plan

The Tree Plan

The Paris Rainwater
management Plan

The Paris Health and
Environment Plan

The sustainable
development report

The Paris Resilience
strategy

The "City contract"

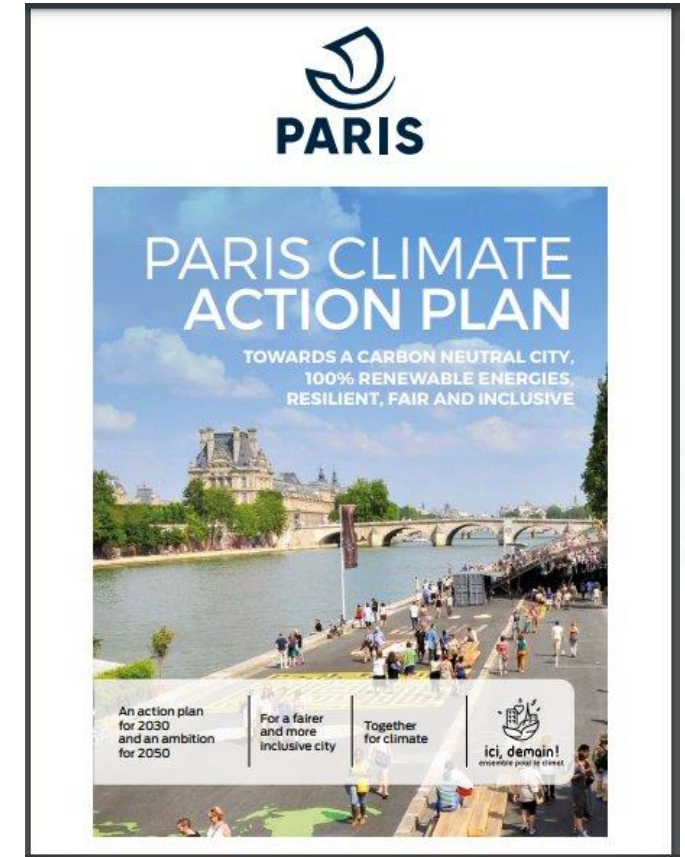
The sustainable food
strategy and plans in
Paris urban farming

The Paris Climate Action Plan

Edition 2018 – 2024 is currently being replaced with the revised 2024-2030 version, just voted and implemented

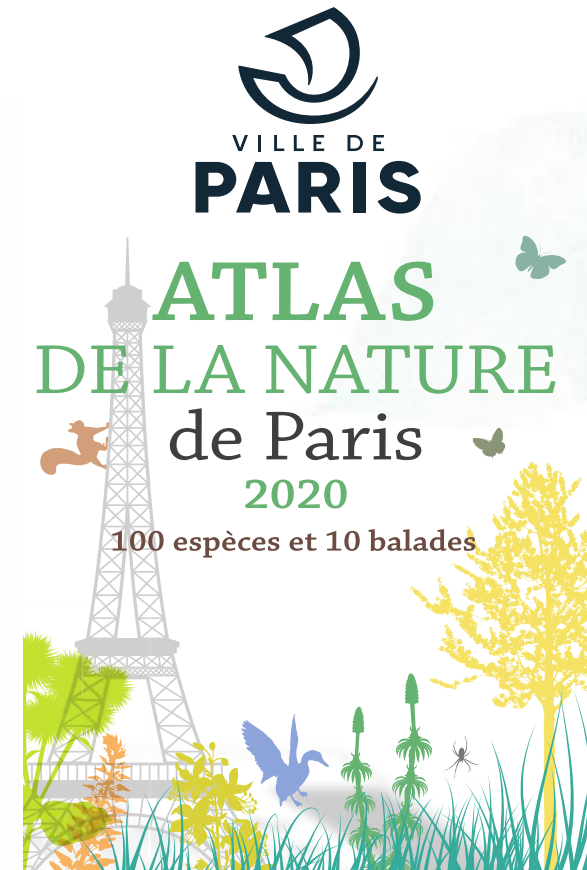
500 measures in several areas: buildings, transport, energy, food, waste, living environment, mobilization, finance, etc.

Its priority: to protect the population from the consequences of climate change by greening, cooling and adapting the city, while reducing inequalities in the face of climate disruption.

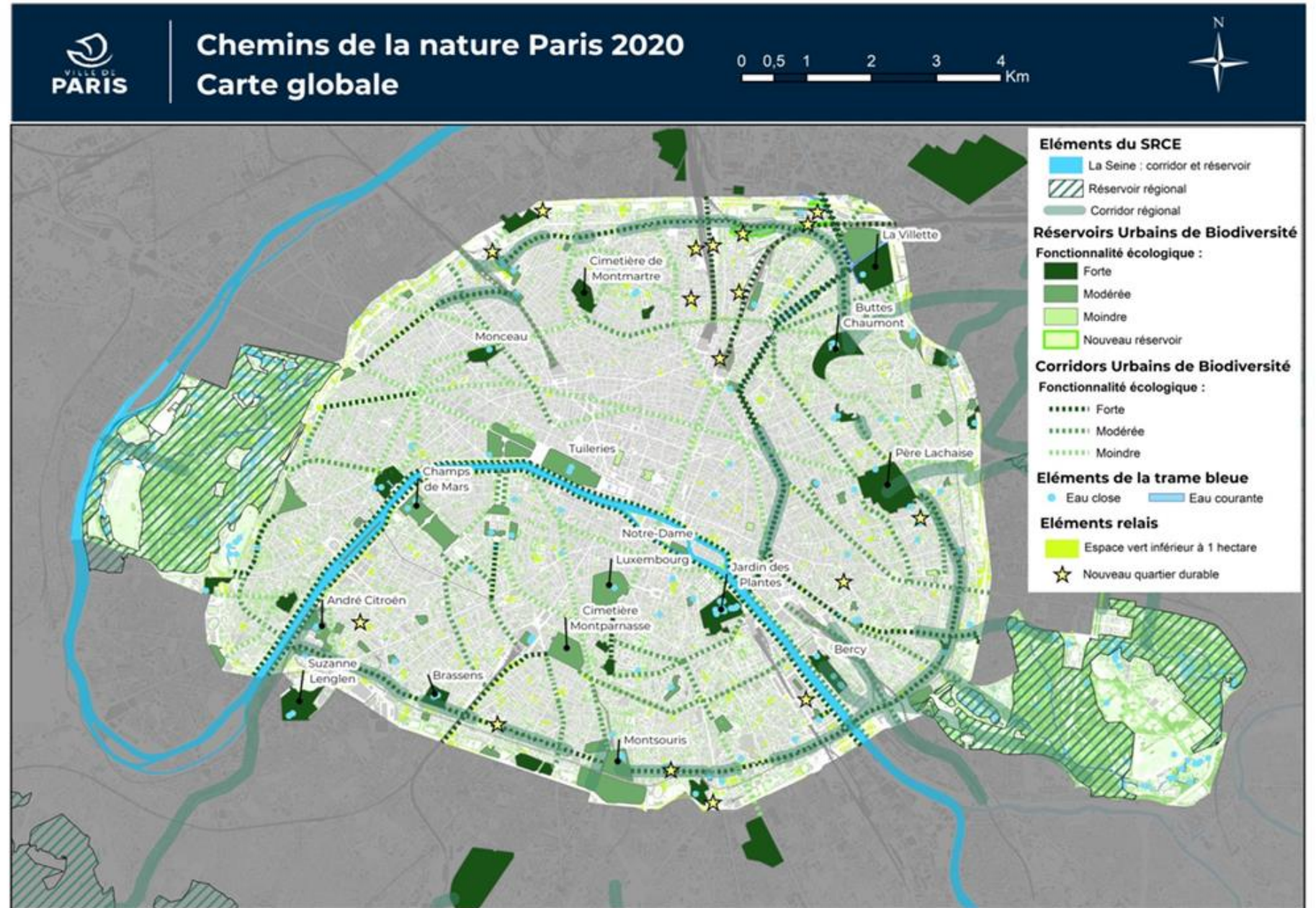


Measuring biodiversity

- A dedicated team of ecologists and naturalists within the City
- A biodiversity observatory
- Links with academics and NGOs
- 2 Nature Atlas, a biodiversity inventory - 1st edition in 2007



Mapping Biodiversity – Mapping the green and blue infrastructure in Paris



An ambitious Biodiversity Plan

2nd Edition 2018 - 2024

Political steering committee

30 actions such as :

- **Planting 50% of local native varieties**
- **Creating ponds and wetlands**
- **Ensuring animal welfare**

A revised Plan coming for the 2024-2030 period



Plan for Nature: Pushing Ahead on Transformation with ambitious greening goals

20 % of additional gardens and parks since 2001

The new mandate pledged to add, from 2020 to 2026 :

- 100 hectares of neighbourhood greening spaces
- 30 hectares of new gardens
- 6 additional hectares of former railway belt opened to the public
- 170 000 trees planted, reaching 23% of tree canopy cover (at 21% in 2020)
- 20% of additional greening spaces by 2026
- Hectares of urban agriculture
- And reach 150 hectares of green buildings.

Three challenges for the implementation of this ambitious program

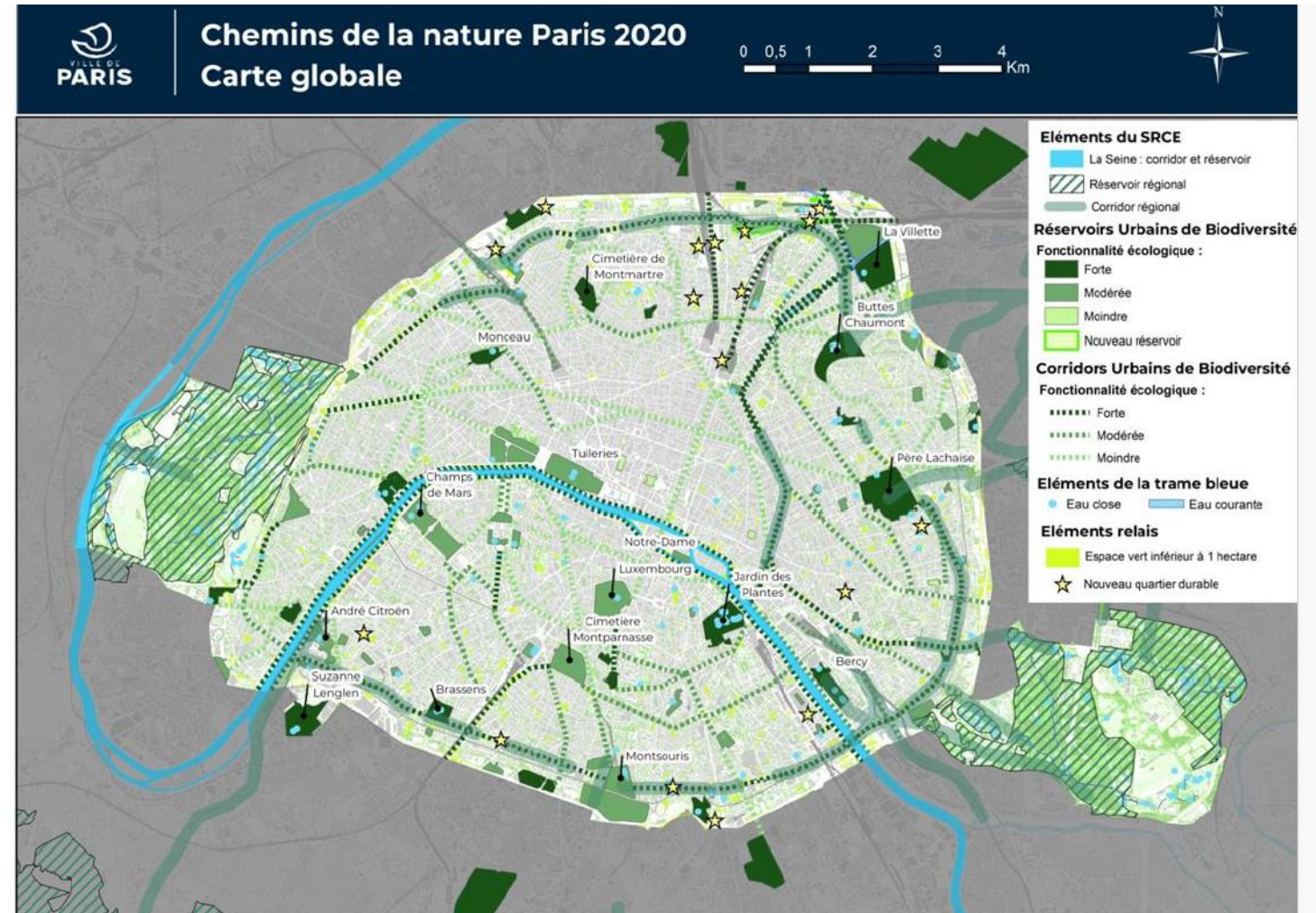
Urban Regulation and protection of green spaces, based on biodiversity mapping

A new « bioclimatic » urban masterplan (2024)

Relying on ecological corridors / reservoirs

Protecting and promoting

- Trees
- Private green ground
- Green roofs and walls
- Permeabilization



Three challenges for the implementation of this ambitious program



Technical challenge



Three challenges for the implementation of this ambitious program

Cultural challenge



Rue rollin Before



Rue Rollin After



Merci !

Thomas Pérez-Vitoria

thomas.perez-vitoria@paris.fr

Surprising diversity of environments



OVERVIEW OF BIODIVERSITY IN PARIS:

In Paris, nearly 2,800 wild species were observed between 2010 and 2020, including :

Flora: 831 species



20
FERNS AND
HORSETAIL



3
CONIFERS
(Gymnosperms)



37
MOSSES AND
LIVERWORTS



Fungi and lichens: 350 species

319
FUNGI



31 LICHENS

Fauna: 1.618 species

31 MAMMALS, INCLUDING
10 SPECIES OF BAT



10 AMPHIBIANS
(frogs, toads, newts)



154
BIRDS,
INCLUDING
60 BREEDING
SPECIES



32
FISH SPECIES



Insects: 1132 species, including

211 MOTHS
48 BUTTERFLIES



42 ODONATES
(dragonflies, damselflies)



31 ORTHOPTERANS
(locusts, crickets,
grasshoppers)



180 HYMENOPTERA
(wasps, hornets, bees,
bumblebees, ants...)



281 COLEOPTERA
(beetles, cockchafer
beetles, etc.)



24 CRUSTACEANS
(crayfish, sowbugs, etc.)



78 MOLLUSCS
(slugs, snails,
freshwater mussels,
etc.)



109 ARACHNIDS
(including 87
spider species)



9 MYRIAPODS
(iules,
scolopendres, etc.)



32 OTHER INVERTEBRATES



**Around
2 800 species,
including
53 threatened
104 protected ones**

And micro environments



Invest in Nature: Urban forest of Place de Catalogne

470 trees planted by 2026

- 12,400 m² project area (= 1.24 ha = 3 acres = 133,500 sq ft)
- 4,000 m² urban forest (= 0.4 ha = 1 acre = 43,000 sq ft)
- 50% forest area accessible to the public, 50% not accessible in order to protect the trees and plants



Currently



Urban forest Project

Invest in Nature: Urban forest of Place de Catalogne



Invest in Nature: Greening « School Streets »

Get kids on board for greening

40 planted
« School Streets »



Rue Severo BEFORE



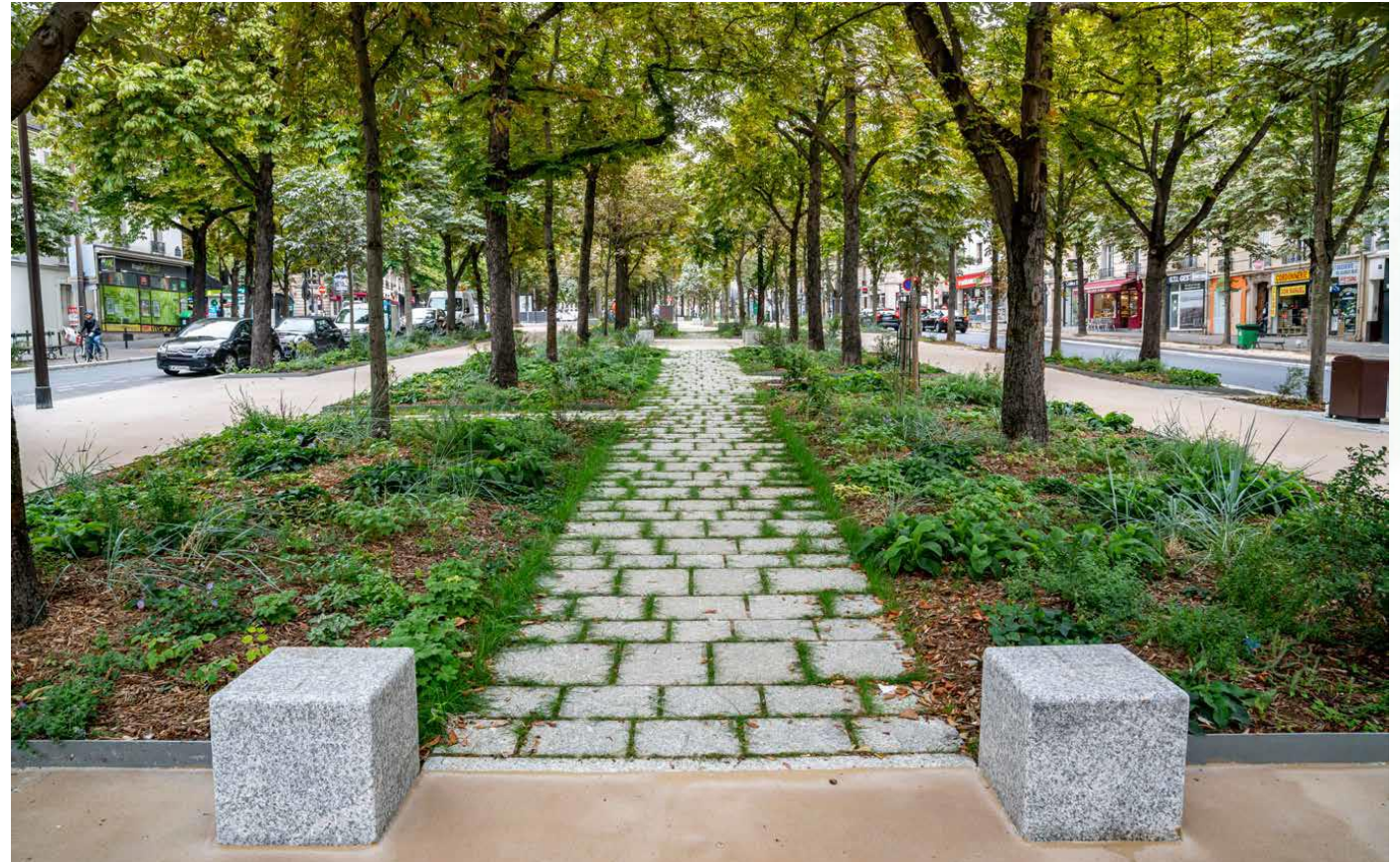
Rue Severo AFTER

Invest in Nature: Greening public spaces

Boulevard Pasteur (14th district): Greener and phyto free street



Before



After

Invest in Nature: Greening public spaces



Sarah Monod square Before



Sarah Monod square After

Invest in Nature: Increasing Neighbourhood Green Installations

Transform Street Parking Zones :



*Rue Henri Dubouillon
Before*



*Rue Henri Dubouillon
After*

Invest in Nature: Greening Roofs and walls

100 municipality buildings greened since 2020



Roof of the school
« Rue de Boursault »



Roof of the School
« Les Amandiers »

Pushing Ahead : New parks and greened neighborhoods



New garden **Martin Luther King** (17th district) : **10 hectares (24,7 acres)**

The Clichy-Batignolles neighborhood and its 10-hectares park



The new court and Cité Judiciaire of Paris



Before/After



Clichy-Batignolles © Sergio Grazia

THE TREE PLAN

The goal of **170.000 additional trees till 2026** can be expressed by “sub goals”, each one with prospects of plantings:

Already +63 000 trees planted since 2020

Around +40 000 have been planted this winter

