



PARIS

Paris Acting for biodiversity

Biodiversity in Greater Paris: Building together a metropolitan grid to restore living organisms habitat

29/06/21

01 Context

The City of Paris: Figures

- 2,270,000 inhabitants
 - 21,000 inhab/km²
- 1,700,000 jobs
 - 8,2 % rate of unemployment
- 100,000 buildings
- 32,000,000 visitors

- Paris size : 100 km²
- Parks and Gardens : 2,600 ha
- **Urban biodiversity accounts for 16% of Paris land (and the 2 forests)**



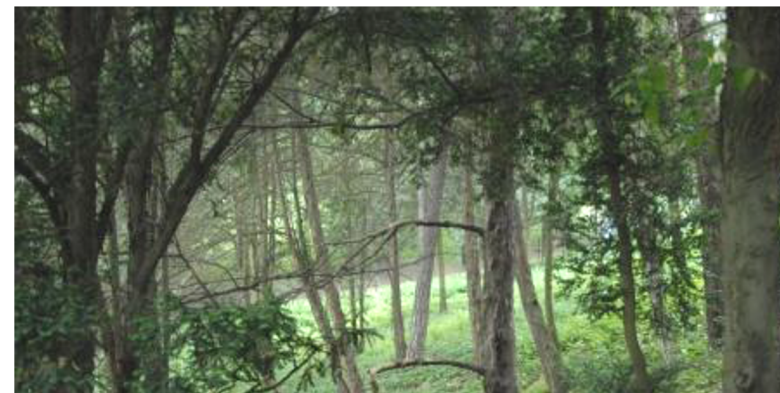
Different Habitats – Rich Biodiversity



Pond at Observatoire Parisien de la Biodiversité
5 arrondissement.



Montmartre cemetery



Park of Buttes Chaumont (19 e)



Old Railways



Bois de Vincennes (12^e)



Green facades



Street plantations

Inventory of fauna and flora in Paris



830 species of local plants observed (2010-2020)



1 600 species of animals
31 species of **mammals**
Including **10** species of **bats**
7 species of **reptiles**
10 species of **amphibians**



60 species of **breeding birds**
48 species of butterflies and moths
identified over the last 5 years

Paris Region (île de France) is at the center of a biogeographic crossroad

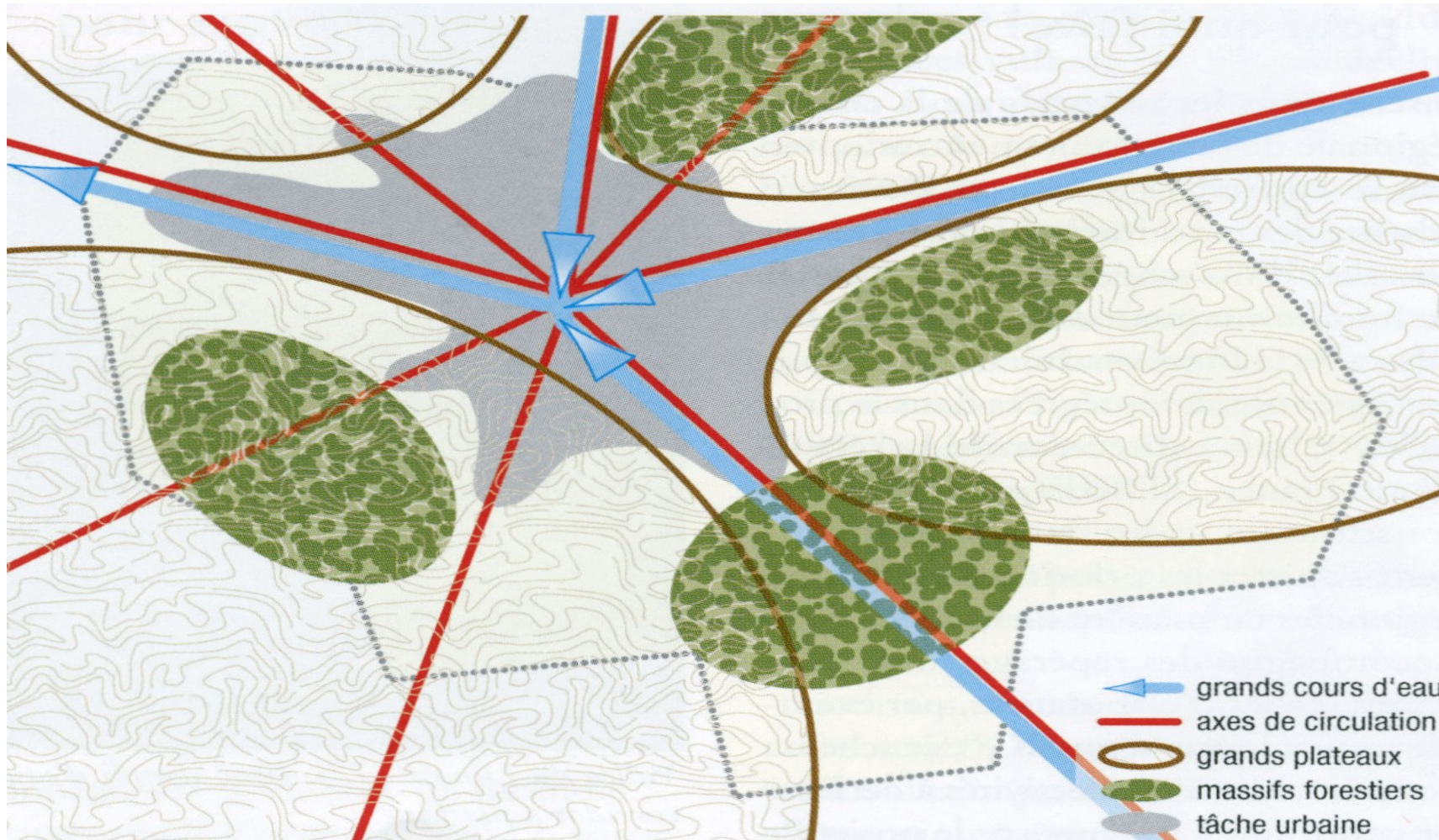


Schéma IAU-IdF

02

**Objectives: involving stakeholders to
restore nature everywhere.**

Consultation for a holistic strategy



Paris environmental Plans

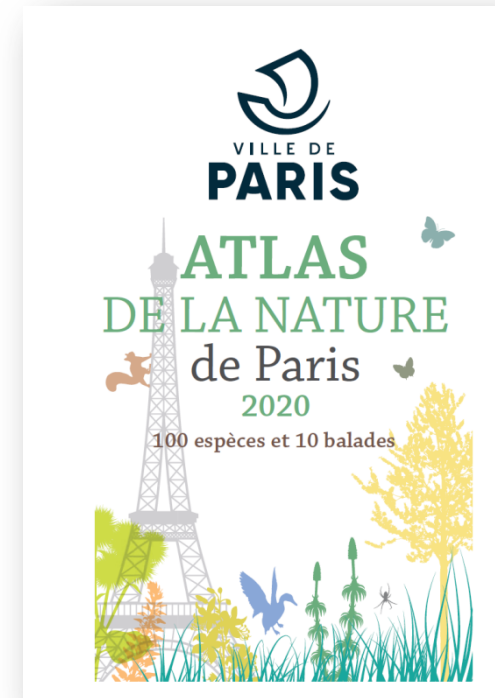
National regulation to support our efforts:
Biodiversity law (August 2016)
French Biodiversity Plan (July 2018)...
and international...



Reinventing the city, combining Nature and urban life



3 axes
30 actions



100 species
10 promenades

03

Actions

Mayor's objectives for the mandate (2020-2026)

- **Ground greening (+100 hectares)**
- **30 ha of new public gardens**
- **170 000 additional trees**
- **Green roofs and facades : objective of 100 ha**
- **Improving urban agriculture**
- **Bees and insect pollinators plan**

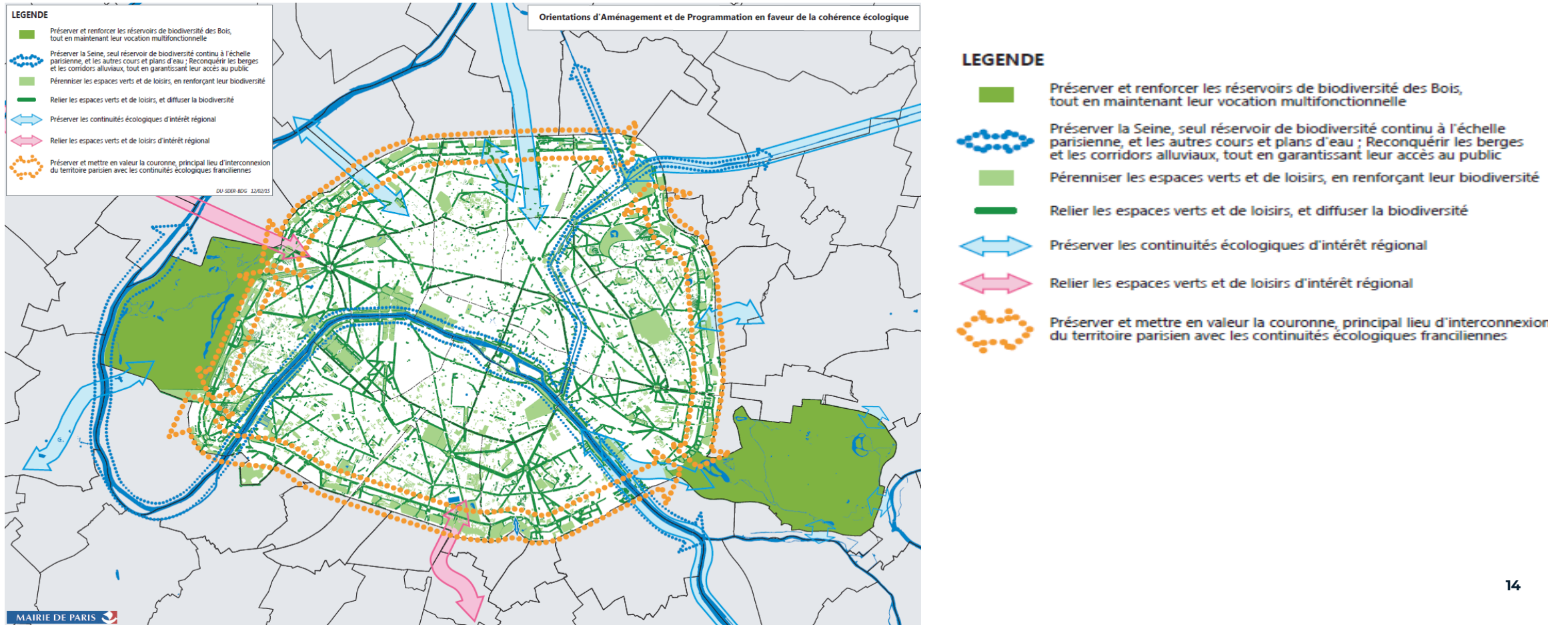
Measures to prevent biodiversity loss in Paris are included in the 2016 urban planning regulation (PLU) and the next Bioclimatic urban planning regulation



PLU of Paris (July 2016 version) : examples of« green»measures

- Greening of roofs mandatory when :
 - Slope $\leq 5\%$
 - Superficie in $m^2 \geq 100 m^2$
- for green roofs, mandatory of growth media $> 10 cm$
- When the project requires the removal of existing trees, the trees must be replaced with new plantings
- ...

Development and Programming guidelines to ensure ecological consistency. (already in 2016 PLU)



RECLAIMING OPEN LAND

increasing the number of trees



Participatory planting of a native forest
Lawn of Reuilly 12 arrondissement.

South Linear Forest 19
arrondissement.
An urban promenade
among the essences of
Paris Region



RECLAIMING OPEN LAND

Reducing impervious areas



Oasis school playgrounds
Charles Hermite Nursery School 18 arrondissement.
Facilitate the restoration of gardens in Parisian
schools, colleges and even nurseries

- 28 converted playgrounds in 2019
- 15 converted playgrounds 2020
- 27 to be converted in 2021

WATER REHABILITATION IN THE CITY

creation of wetlands

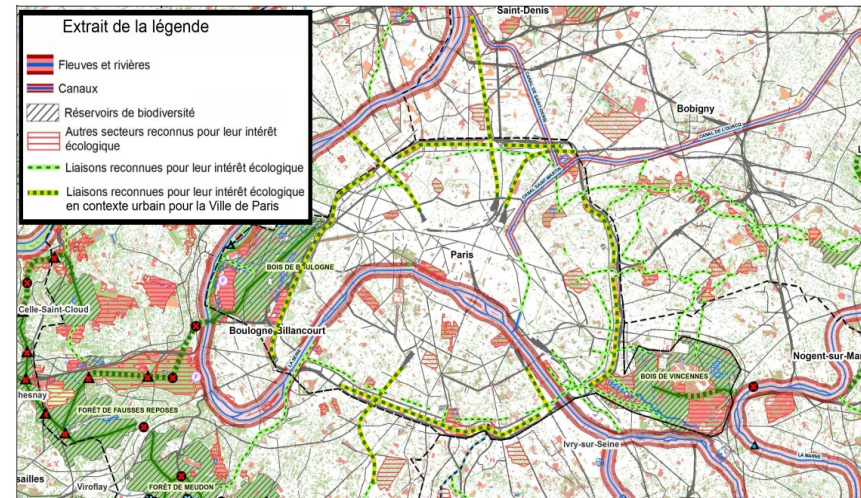


EcoQuartier Gare de Rungis 13
arrondissement.
Partially planted rainwater
collector



Four spotted chaser (*Libellula quadrimaculata*)

- **Regional Plan of Ecological Consistency and green infrastructures**



- **Regional Consistency Plan for Paris Region**

Sustainable food strategy and Plan

Resource management and sustainable agriculture at every level

- **Sustainable food strategy (2018)** is divided into 40 actions to achieve sustainable food consumption in Paris by 2030 :
 - Reduce by 40% the carbon footprint of food production in the region
 - Mobilizing Parisian actors to reach 20% of useful agricultural surfaces dedicated to organic farming (compared to 5.2% in 2019)
 - Increase the proportion of food consumed in Paris that is produced in the Paris region to 50% (from 25% at present)

> Citizens' Conference on Sustainable Agriculture and Food (CCAAD)

50 Parisians and 50 residents of neighbouring departments answered the question "What does it mean to eat well in 2021?"

> General Assembly of Sustainable Agriculture and Food (EGAAD)

Between May and November 2021, municipal services, other local authorities, government departments, all players in the food system, researchers, scientists, conventional agriculture and agroecology will meet in a series of 12 thematic workshops

- **Consultation on the forthcoming sustainable food plan for school catering 2021-2026** Between June and September 2021, the study will be undertaken with all stakeholders of municipal catering (managers, decision-makers, city departments).
- **Creation of AgriParis** which focuses on the objectives of the mandate, to guarantee Parisians healthy, seasonal food at affordable prices, ensuring fair remuneration for farmers while reducing the City of Paris' environmental footprint.



Eau de Paris approach: Water, Biodiversity and Agriculture

Eau de Paris : missions are collection, transport, treatment and distribution of drinking water.

With this contract, the City of Paris is contributing to the protection of biodiversity in the **1,300 hectares of natural areas outside of Paris, as well as to the protection of water resources.**



Eau de Paris has also been working with farmers in catchment areas **for some thirty years to protect water resources:**

- technical support
- financial support
- development of upstream and downstream channels for sustainable production
- land action to buy and make available land under environmental rural lease for maintenance in grassland or conversion to AB.



EAU DE PARIS

Protection of the resource: Eau de Paris launches its own agricultural aid scheme



In 2020, Eau de Paris initiated the development of a state aid scheme to protect water resources, based on the principle of **Payments for Environmental Services (PES) and validated by the European Commission.**

> 49 farmers have already signed up with the company.

The objective is to engage between 100 and 200 farmers on approximately 25,000 hectares.

> A first in France.

Spring of Villeron feeding the aqueduct of Lunain (77)©Demaret

Thank you