



# De la Ville fonctionnelle à la Ville relationnelle

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**bfluid**



An aerial photograph of a city, likely in Brazil, showing a dense urban landscape with numerous high-rise apartment buildings and a complex highway interchange. In the background, a large stadium with a distinctive red and white roof is visible. Two speech bubbles are overlaid on the image. The first bubble, on the left, contains the text 'Krs vir ka casa?'. The second bubble, on the right, contains the text 'Kool! ...mas a t mãe tem k m vir buskar...'. The background of the speech bubbles is a semi-transparent orange color.

Krs vir ka casa?

Kool!  
...mas a t mãe tem k m vir buskar...

Ré-  
imaginer  
la fonction  
circulatoire



# Donner libre cours aux lignes de désir



Boulevard Léon  
Bureau,  
Ile de Nantes  
(24 000 véh/j)

# Offrir plus d'espace pour les humains



Pont de  
Barakaldo,  
Bilbao

# Reéquilibrer transit & séjour



Place  
des Remparts,  
Sion

# Prioriser les dynamiques de proximité

Mehr als Wohnen,  
Hünziker Platz,  
Zürich

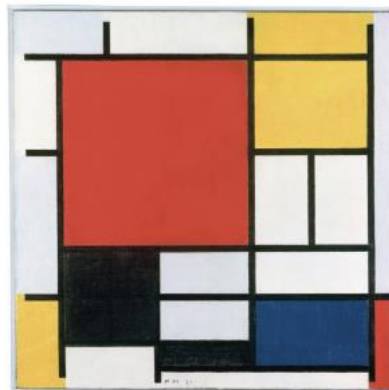




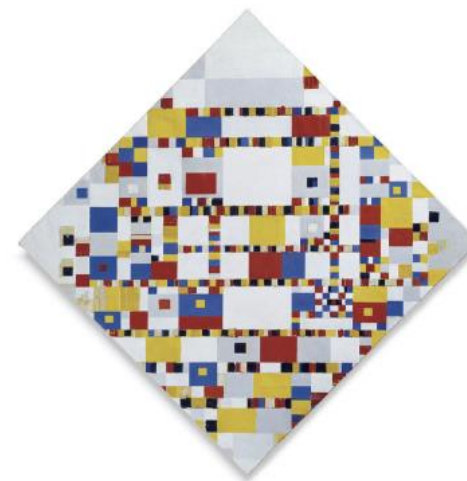
# Ré-imaginer la mixité

## FRAMEWORK PLAN

Reinterpretation of the framework - Piet Mondrian



COMPOSITIE 2



VICTORY BOOGIE WOOGIE



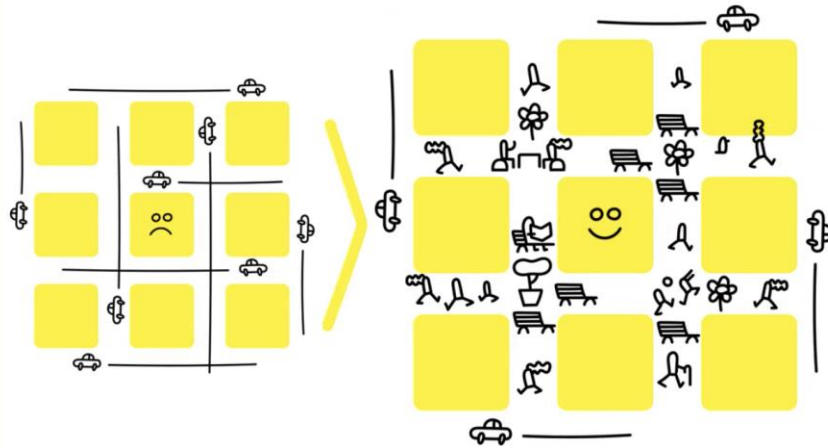
**Transformer  
la géométrie  
du réseau**

# PRIORISER

- 1. Les périphéries**  
plus que les centres
- 2. Les rocades**  
plus que les pénétrantes
- 3. Les nœuds**  
plus que les lignes

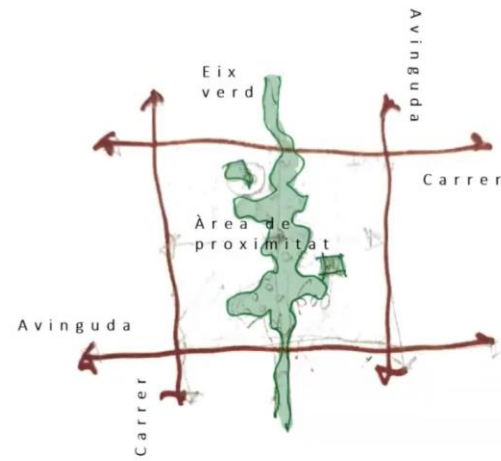


## Superbloks



Powered by Zoom  
Source: Walk'n'Roll by I,Bravo and BCN

Streets and green axis. Proximity traces.



250 km

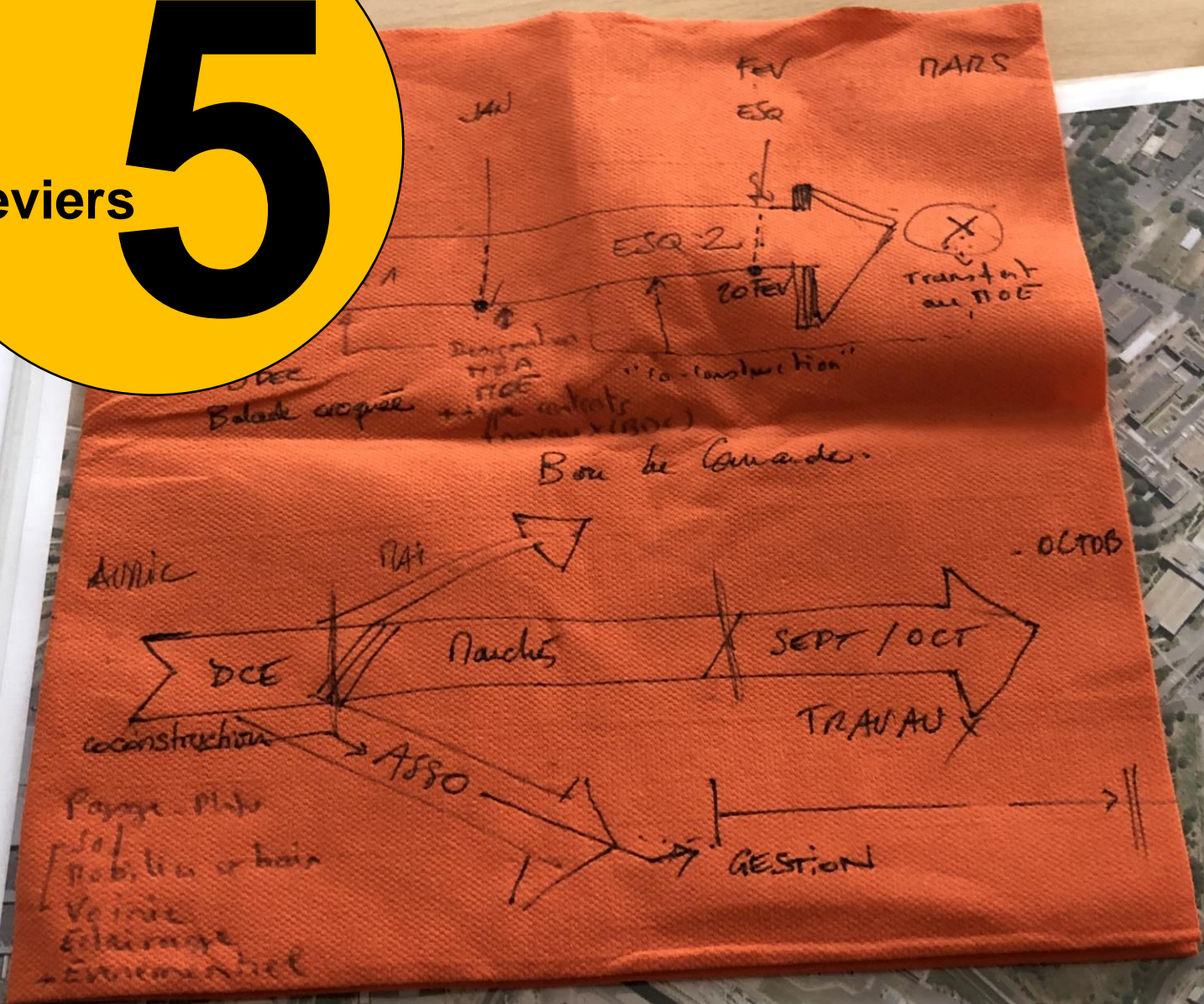
proximity coverage of the new system linking centers and neighborhoods powered by Zoom

# Corridors santé & biodiversité Superconnecteurs interquartiers



La ville du quart d'heure / La métropole de la demi-heure

leviers **5**



Les  
ruisseaux  
de fraîcheur

1



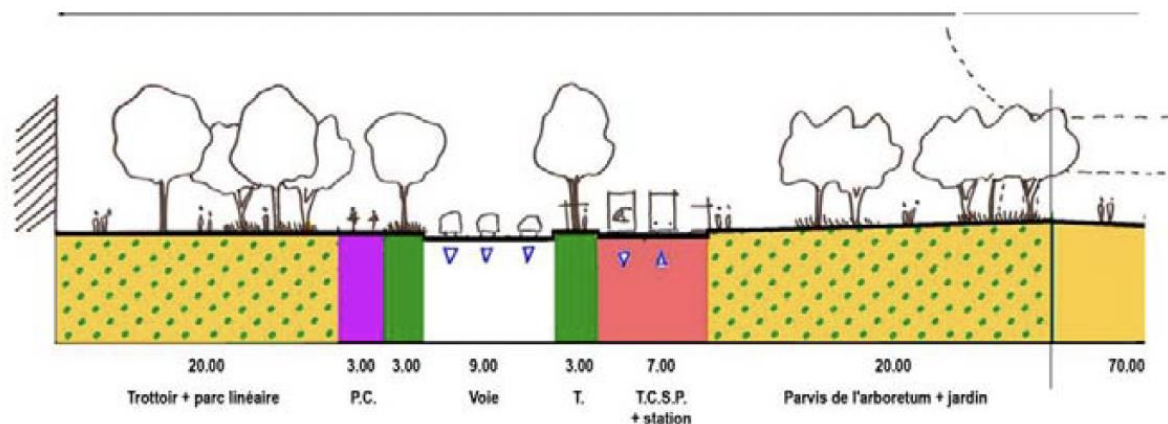




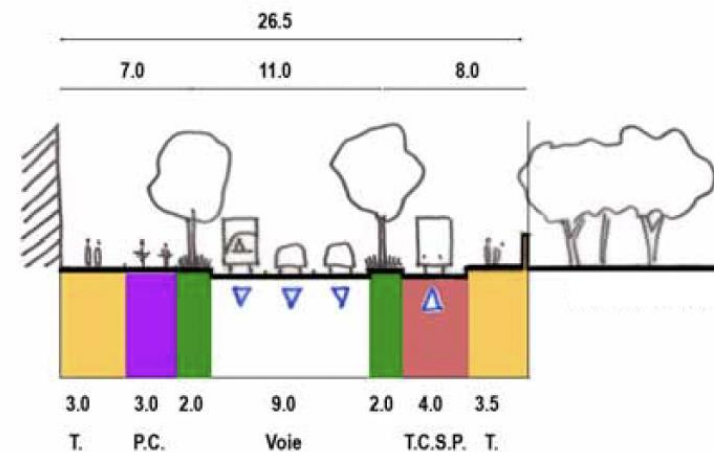
**Avenue Garibaldi,  
Lyon**



## LES CHEMINEMENTS PIÉTONS

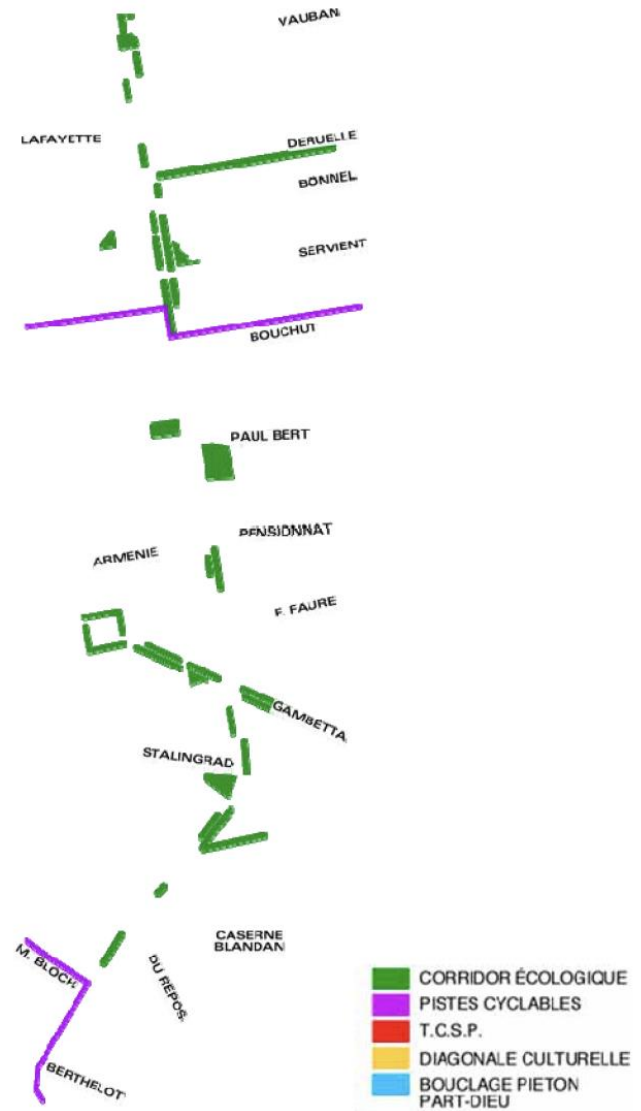


- Sur l'ensemble de la voie, des trottoirs confortables de chaque côté
- Tous les carrefours sont à niveau, aménagés pour les piétons
- Dans les sections plus étroites, un minimum de 3m de trottoirs de chaque côté



# LES CONTINUITÉS ÉCOLOGIQUES - EXISTANT

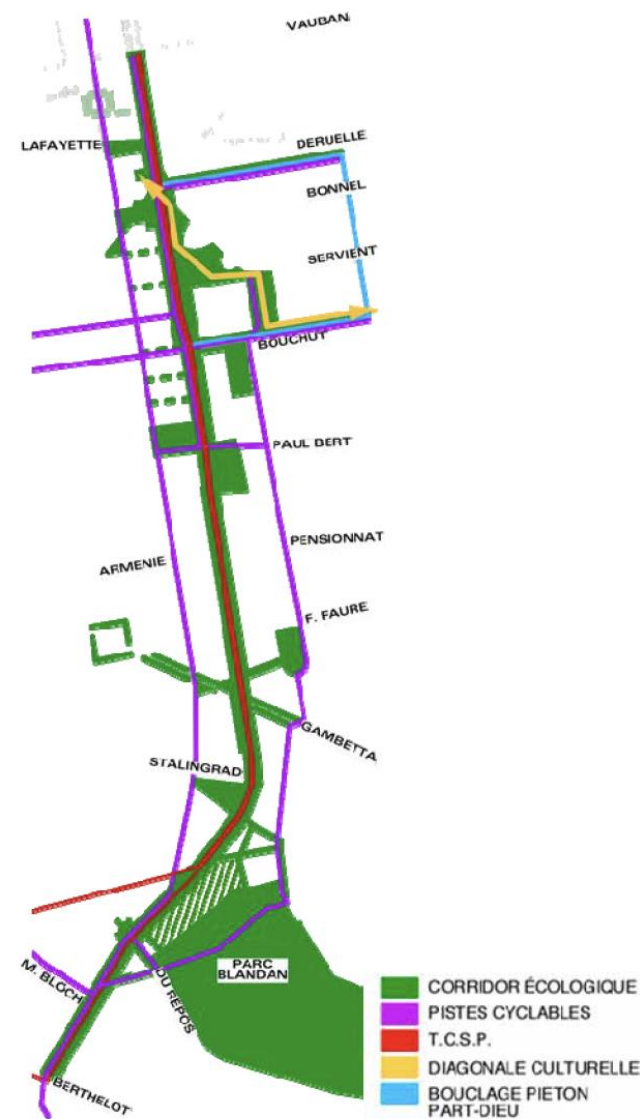
→ Des poches existantes  
végétalisées



CONTINUITÉS EXISTANTES SUR GARIBALDI

# LES CONTINUITÉS ÉCOLOGIQUES - PROJET

→ Création d'une continuité  
écologique



CONTINUITÉS DU PROJET SUR GARIBALDI



Valoriser la canopée existante pour les humains d'abord

## EIXOS VERDS

EIXAMPLE DE BARCELONA









# PLAN BUENOS AIRES CAMINA

**Buenos Aires Ciudad** | **RA** Vamos Buenos Aires



Avenida Pueyrredón,  
Buenos Aires



# Buenos Aires

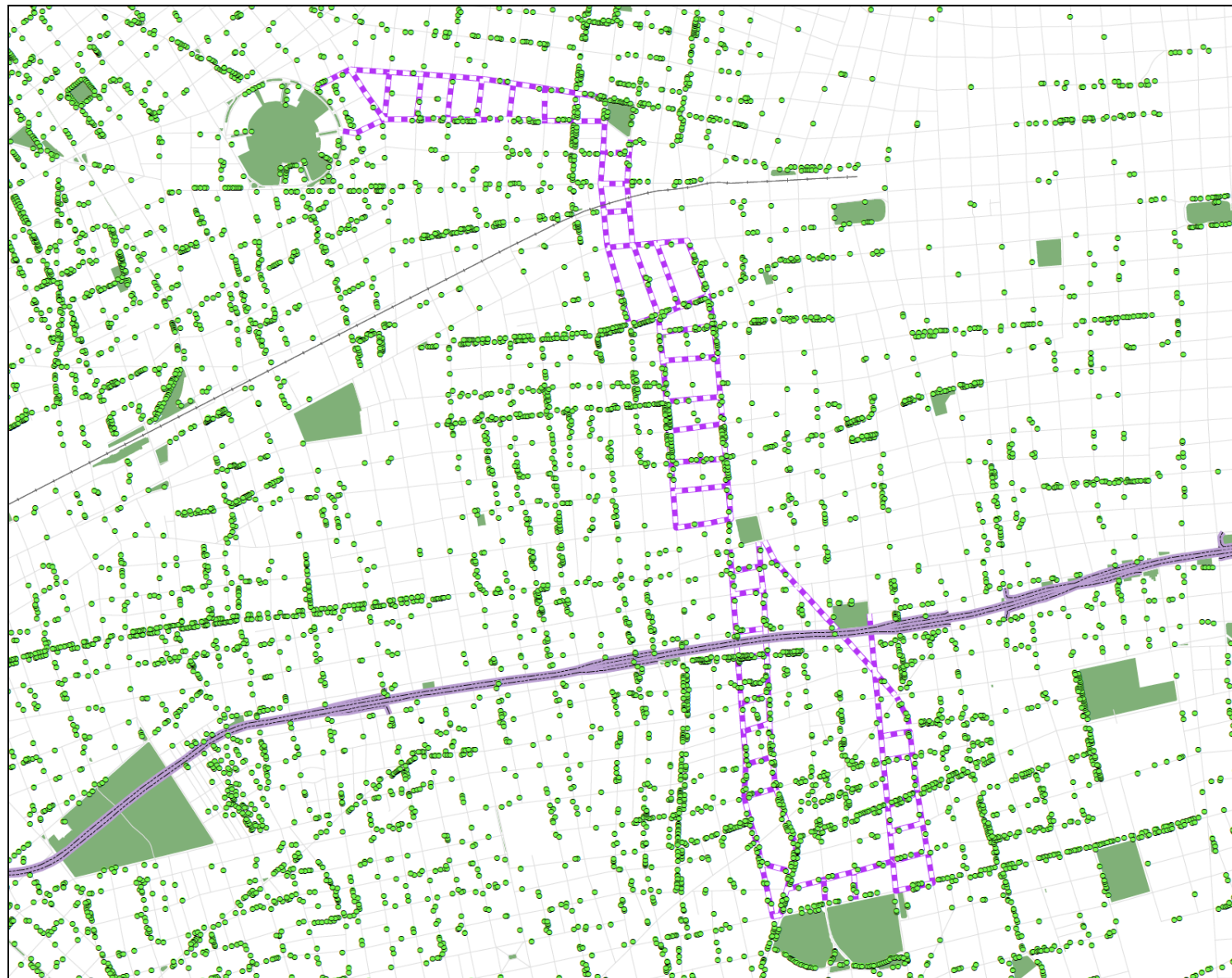
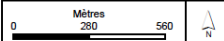
Índice de contacto con la naturaleza  
Escalera Centenario - Patricios

## Leyenda

- Arboles diam. > 50cm
- Lineas FFCC
- Autopista
- Escalera
- Callejero
- Parques

## Indices

Parques : 5  
Arboles (@ 20m) : 536  
Escalera : 20,3 km  
Arboles / km : 26,4



# Buenos Aires

Densidad de arboles  
Escalera Centenario - Patricios

## Leyenda

Arboles diam. > 50cm @ 40m

- 1 - 3
- 4 - 6
- 7 - 11
- 12 - 16
- 17 - 24
- Lineas FFCC
- Autopista
- Escalera
- Callejero
- Parques

Mètres  
0 250 500



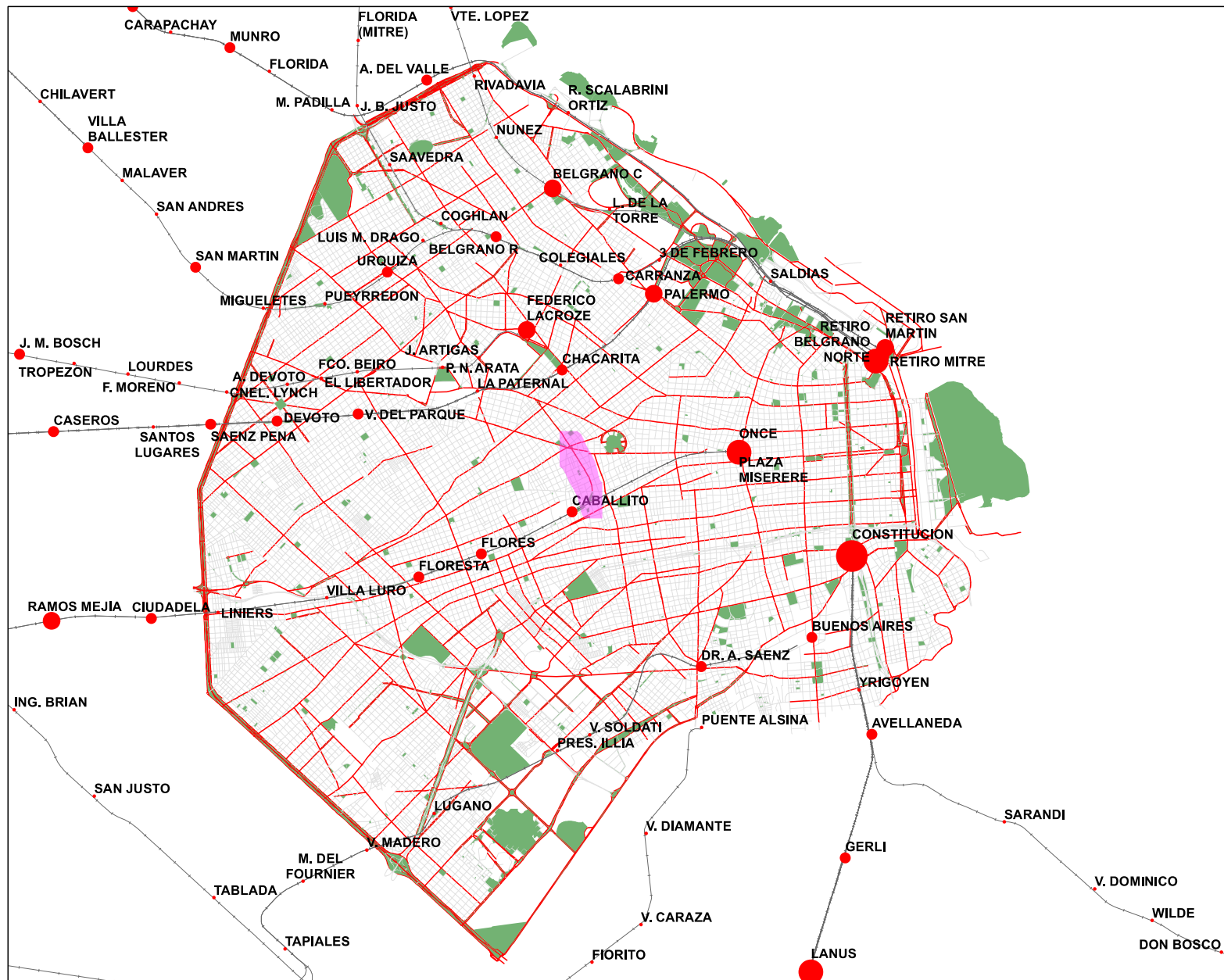
# Buenos Aires

Plan Director  
Red de avenidas

Legenda

- Líneas FFCC
- Parques
- Calles
- AVENIDA

0 1.300 2.600



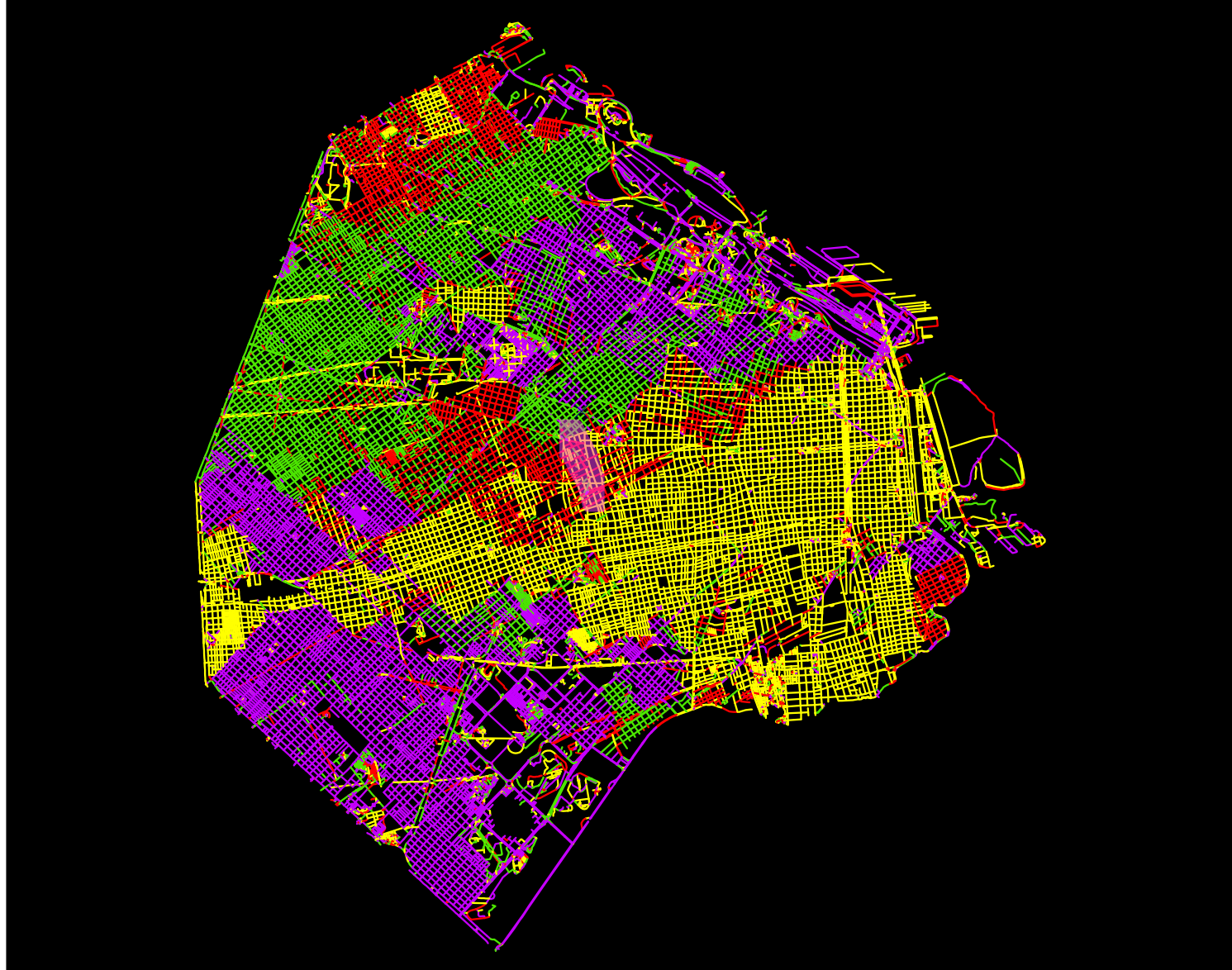
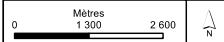
# Buenos Aires

Malla de la red de carreteras

## Leyenda

### Angulo

- 0 - 11
- 12 - 23
- 24 - 34
- 35 - 45
- 46 - 56
- 57 - 68
- 69 - 79
- 80 - 90

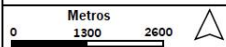


# Buenos Aires

PLAN DIRECTOR - CARTA MENTAL

## Leyenda

- Límites de la ciudad caminable**
  - Primera piel
  - Segunda piel
- Supercorredores**
  - Escaleras
- Áreas de influencia atractores principales**
  - Microcentro
  - Parques y plazas principales
  - Estaciones
  - Zona cultural
  - Zona comercial
- Áreas de influencia - stop over**
  - Parques y plazas
- Estaciones
- Parques
- Parcelas
- Líneas FFCC





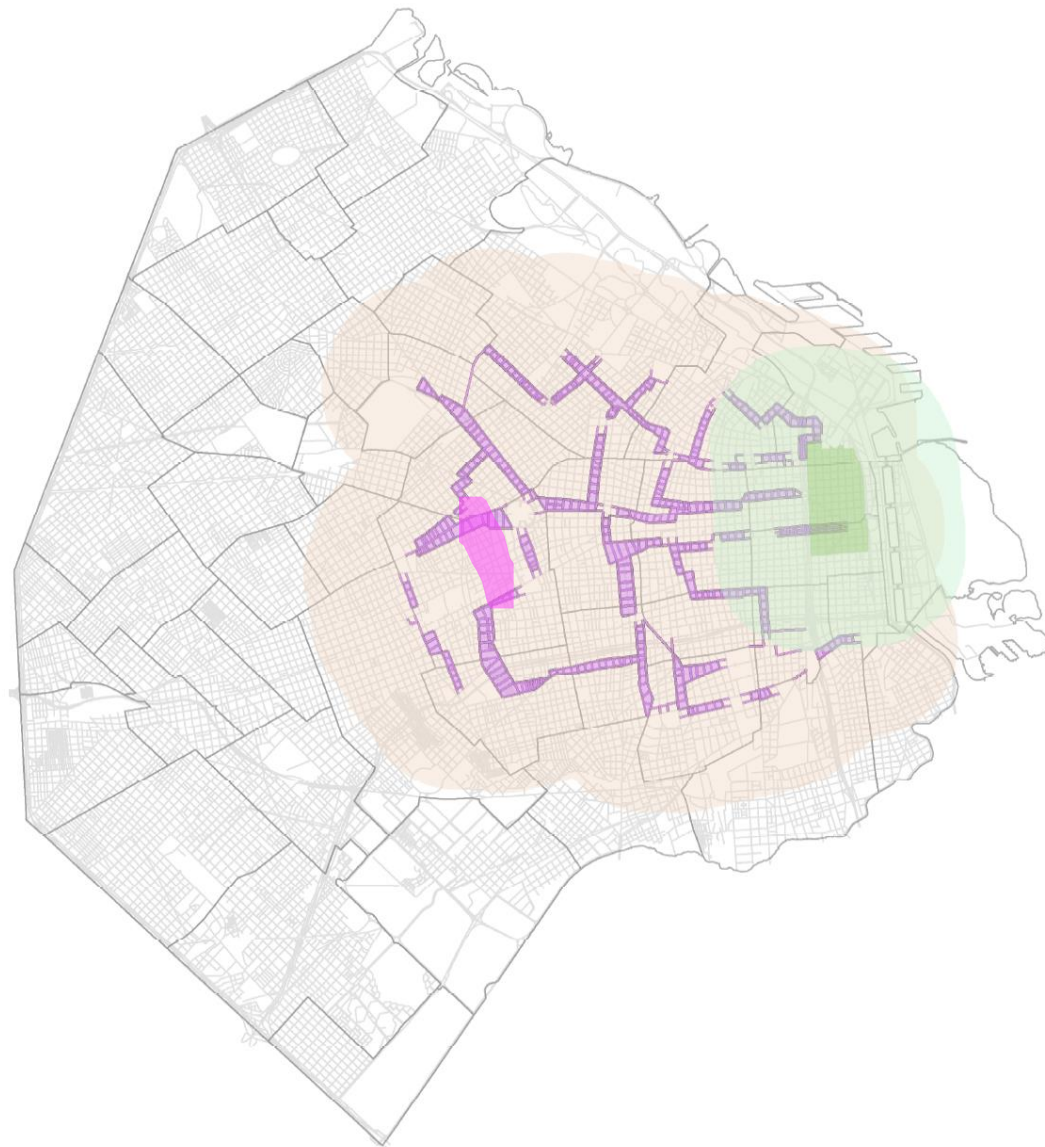
# Buenos Aires

## Cobertura Global

### Leyenda

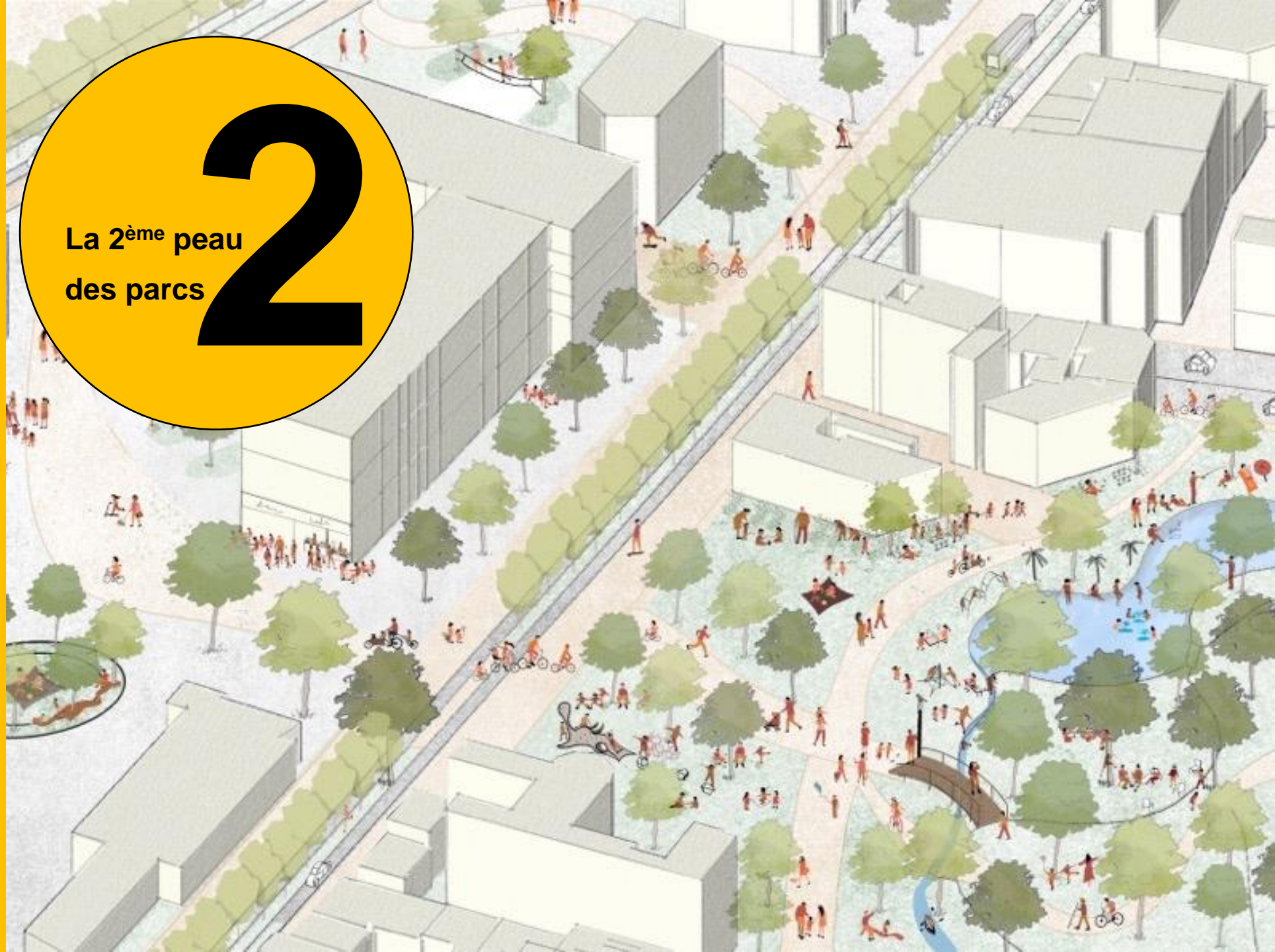
- Microcentro - 1.9 km2 (0.9%)
- Buffer Microcentro @ 20min - 20 km2 (9.8%)
- Escaleras - 6 Km2 (2.9%)
- Buffer Escaleras @ 20min - 90 Km2 (44.2%)
- Barrios - 203,3 Km2 (100%)
- Escaleras
- Callejero

0 1 300 2 600



La 2<sup>ème</sup> peau  
des parcs

2





Jardin des Plantes,  
Nantes



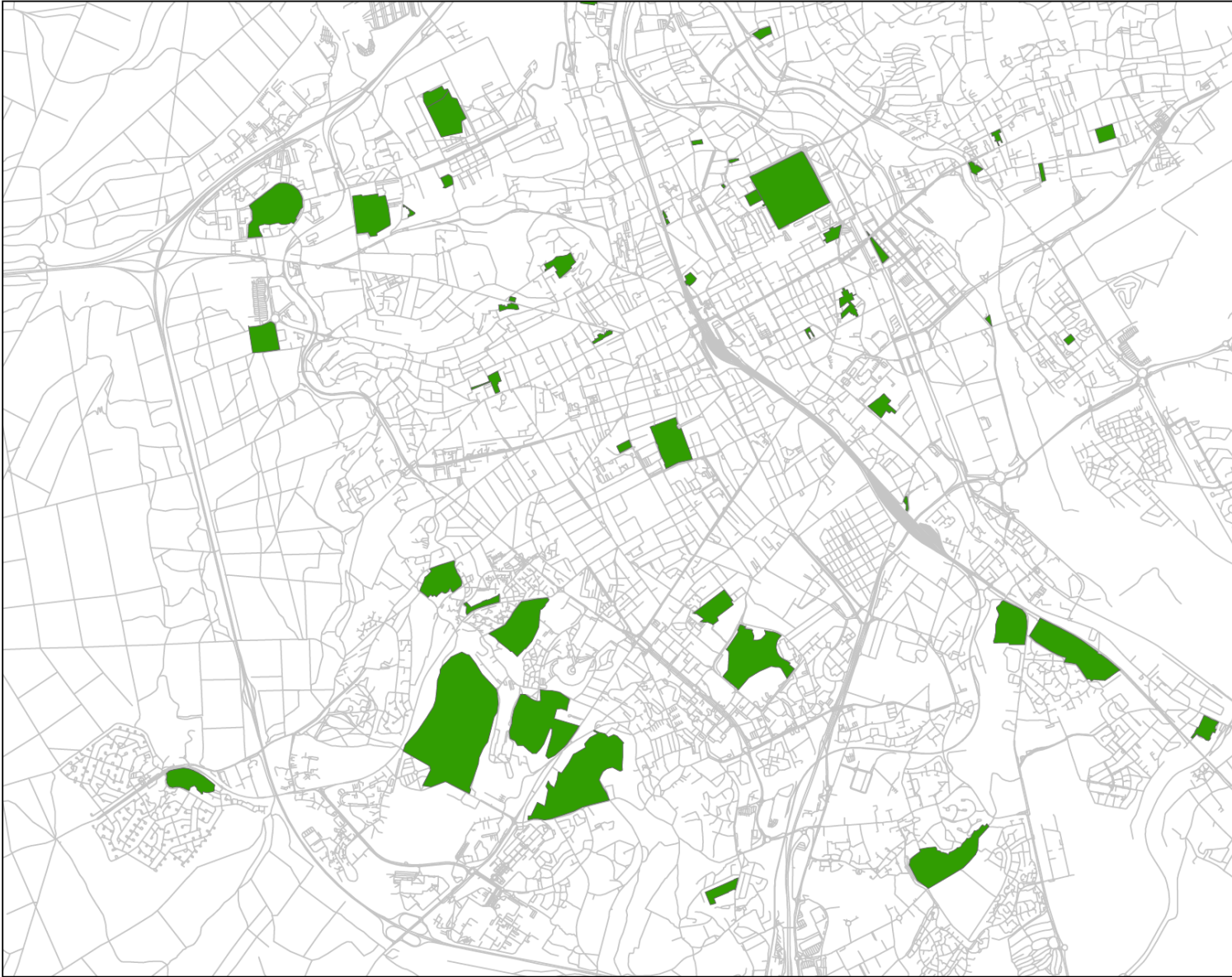

# Nancy

Les parcs

**Légende**

- Parcs
- Viaire

Mètres  
0 490 980

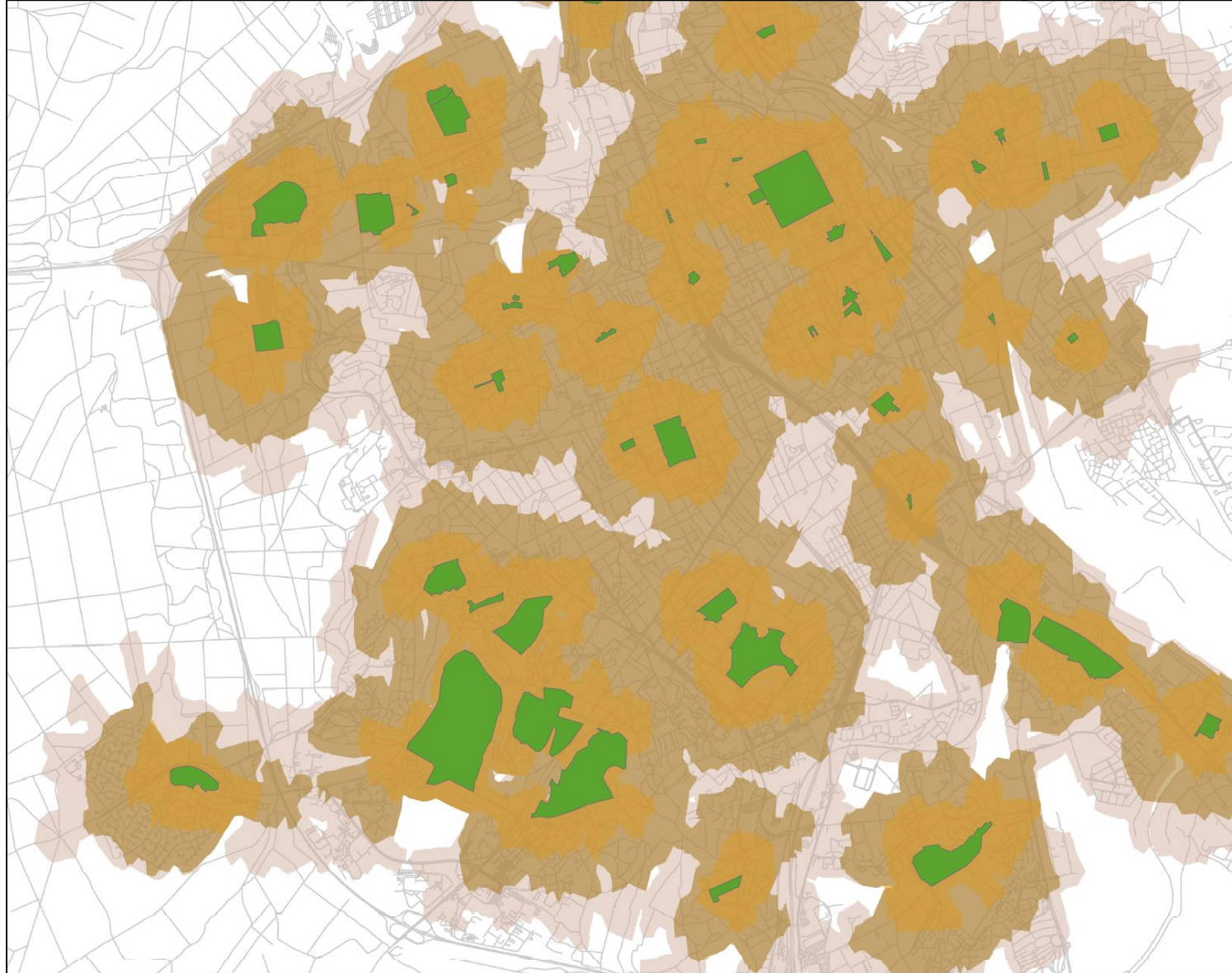
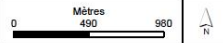


# Nancy

La 2ème peau des parcs  
5, 10, 15 min aux limites du parc

## Légende

- Parcs
- 5 min
- 10 min
- 15 min
- Viaire

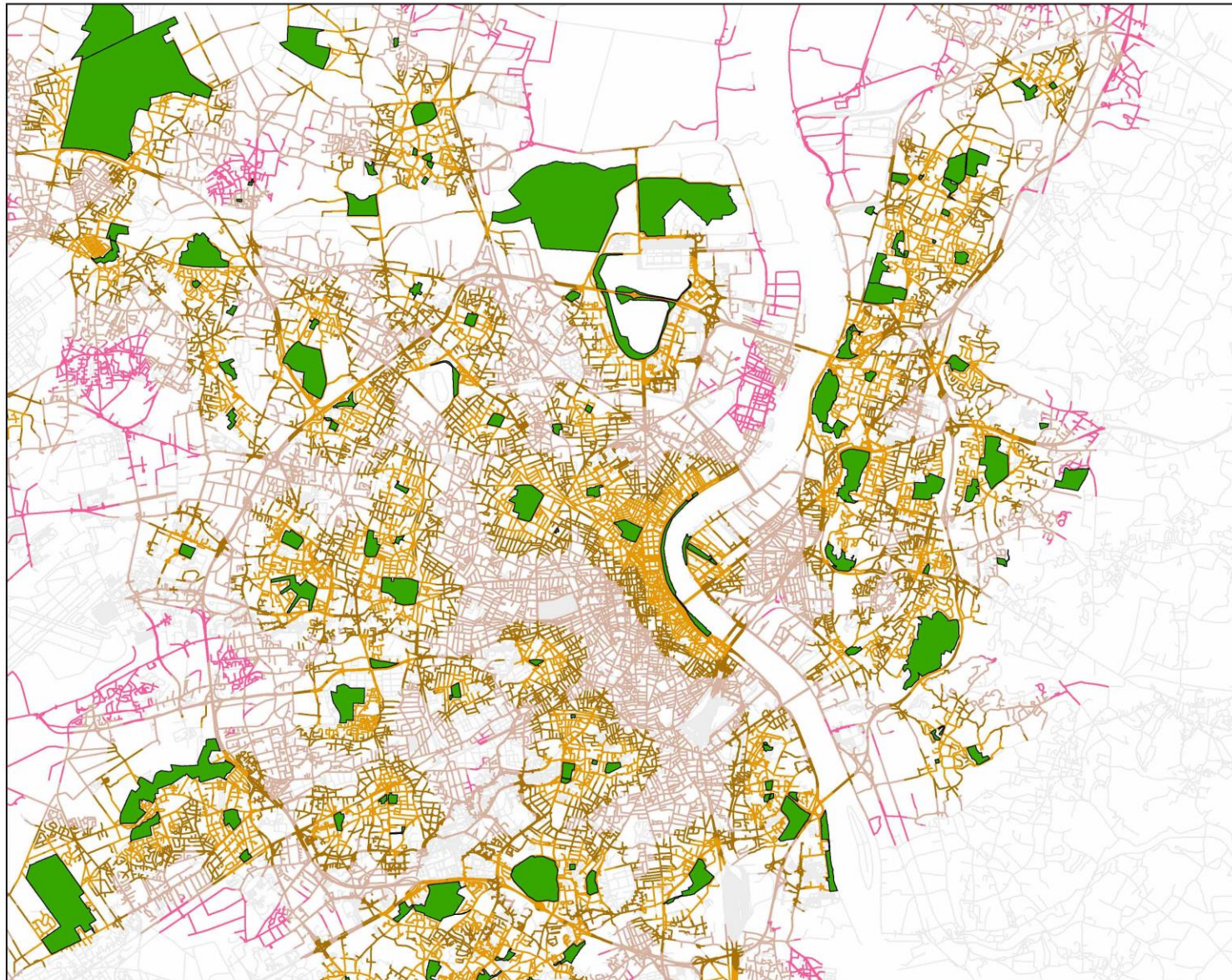
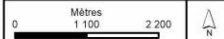


# Bordeaux

Valorisation du patrimoine viaire pour  
les modes actifs (viaire public = 4656 Km)

## Légende

- Parc public
- 5min (1539Km-33%)
- 10min (2808Km-60%)
- 20min (4195Km-90%)
- Domaine public
- Viaire



Les bandes  
ludiques

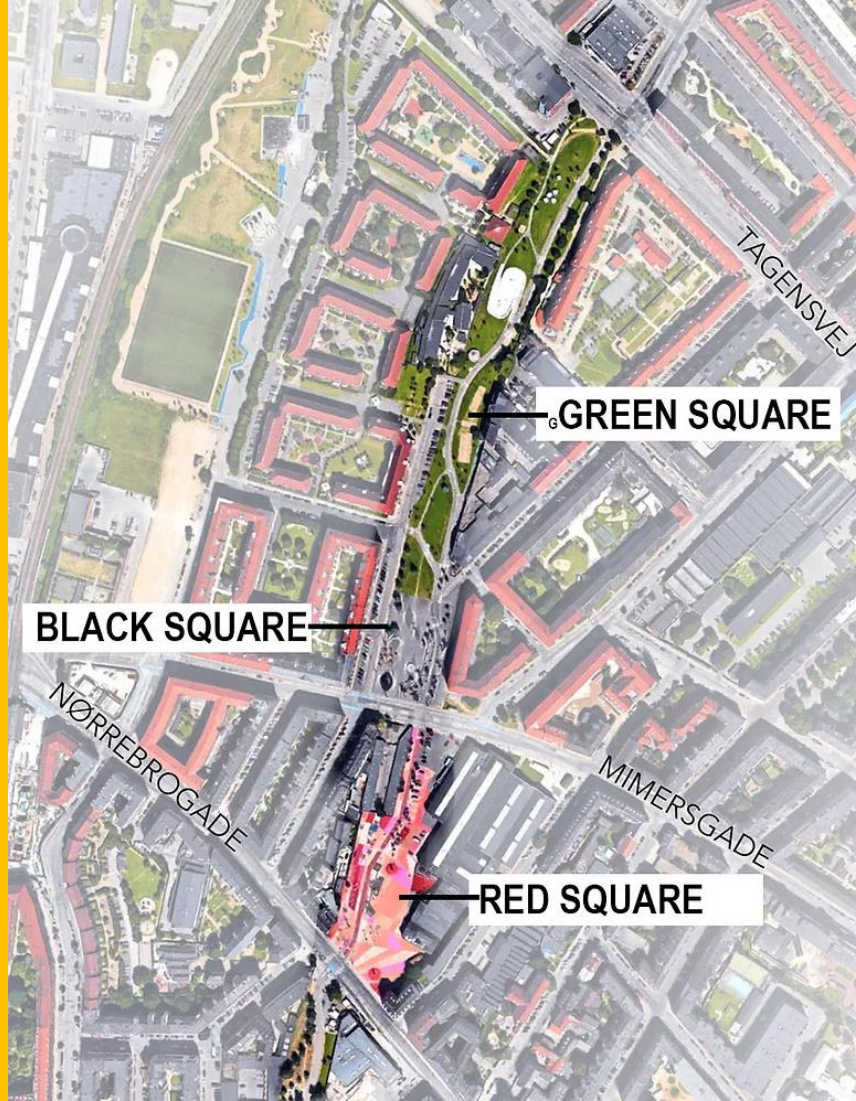
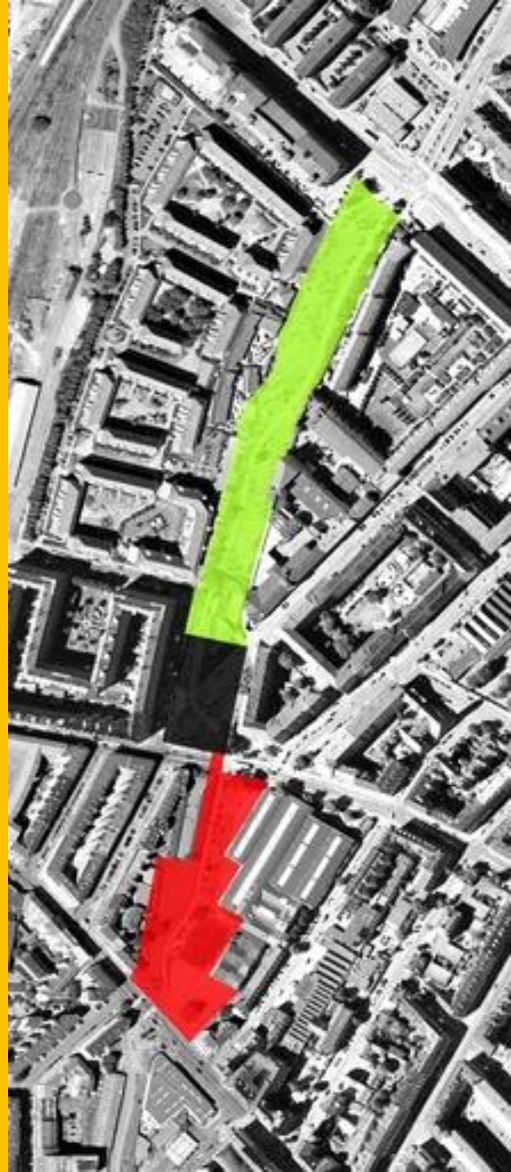
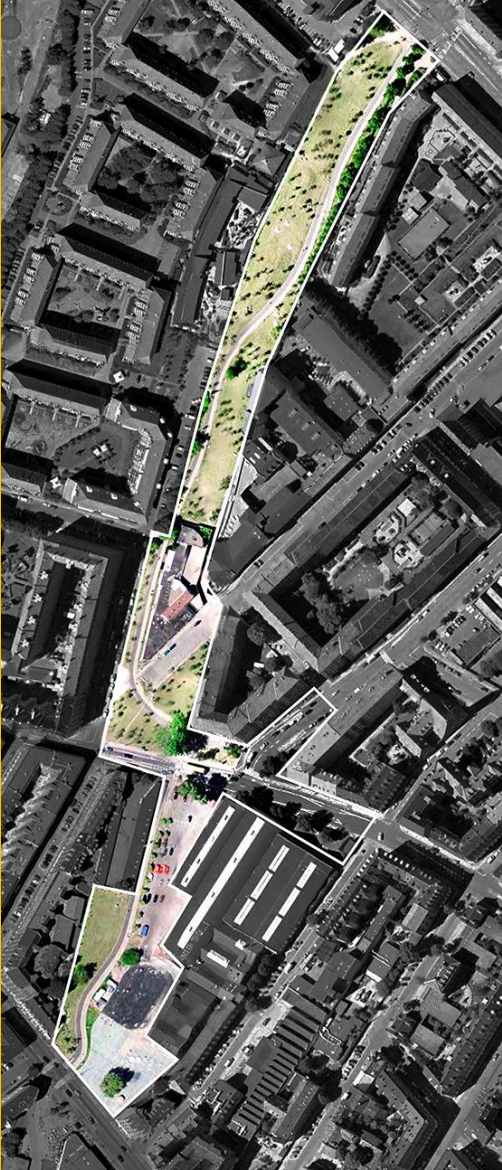
3





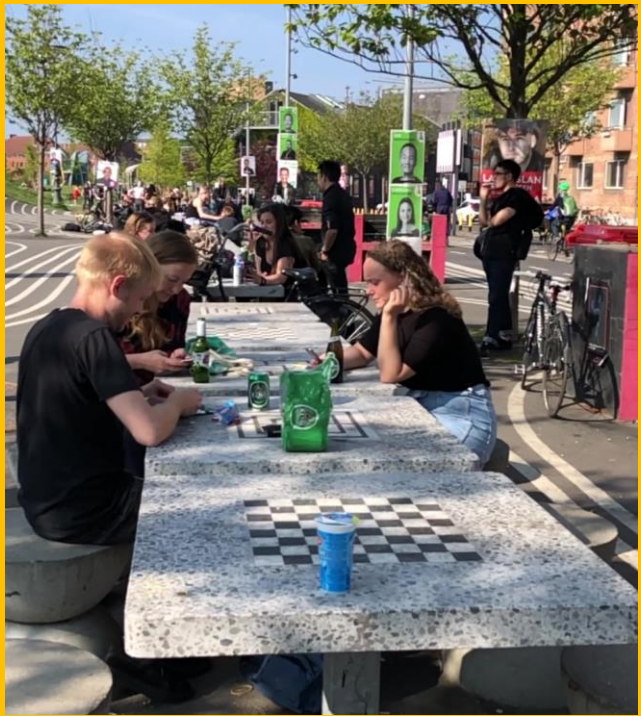


Superkilen,  
Copenhaguen









Les  
carrefours  
vivants  
«bleus»

4



Les  
carrefours  
vivants  
«verts»

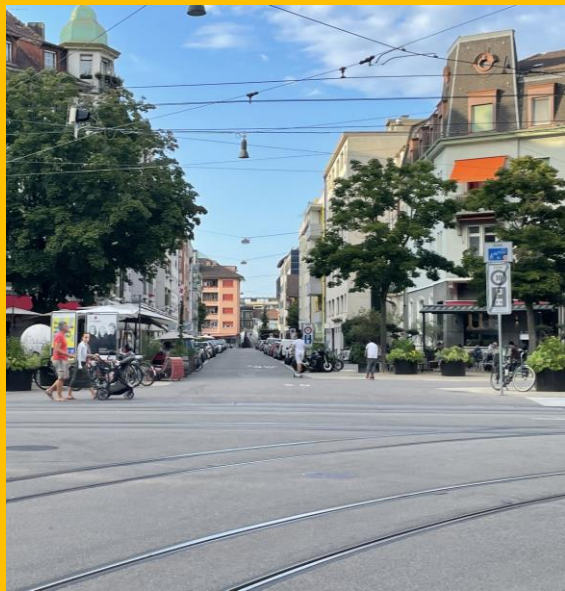
4





Tellplatz,  
Basel





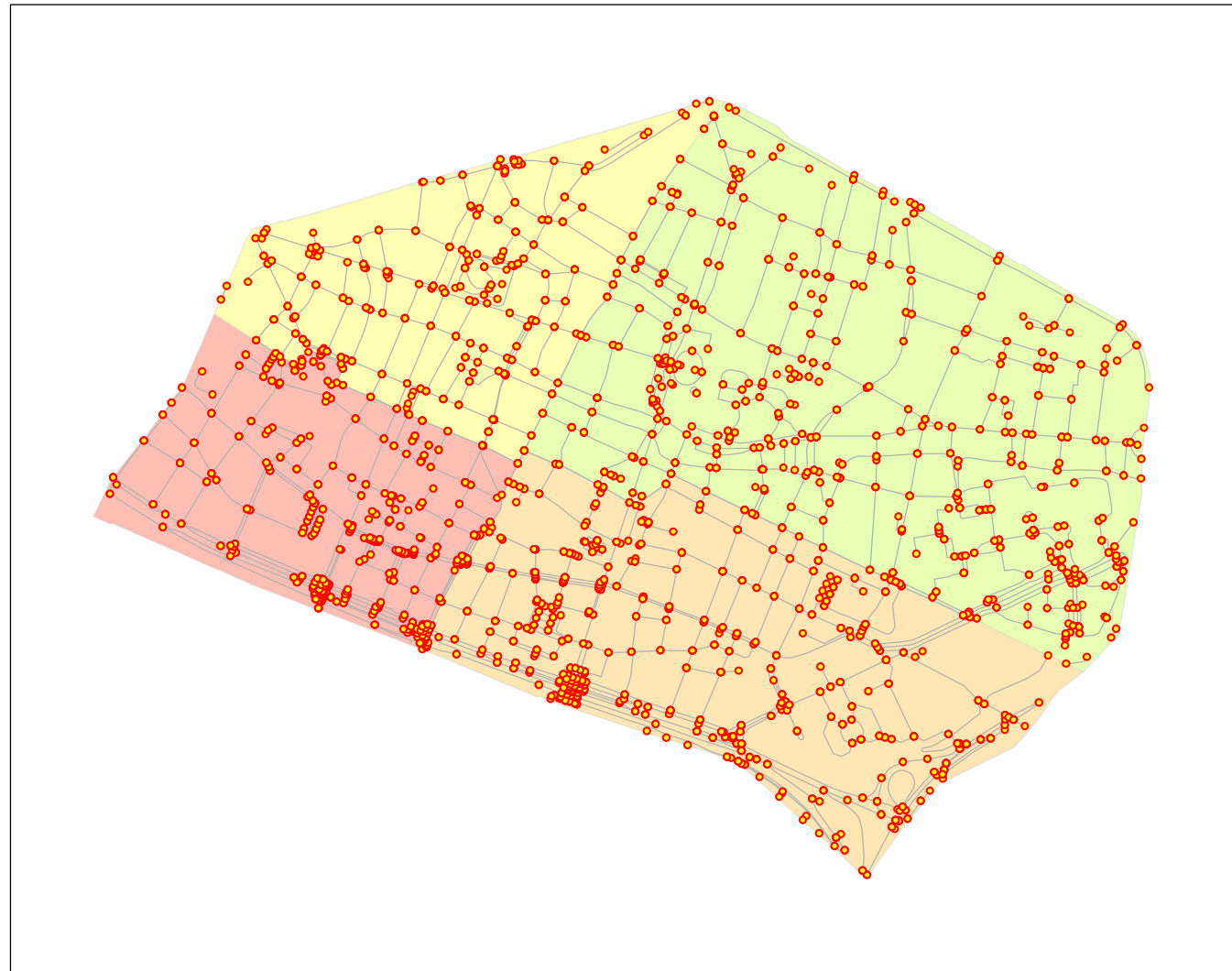
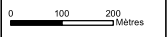


# Rouen

Densité d'intersections

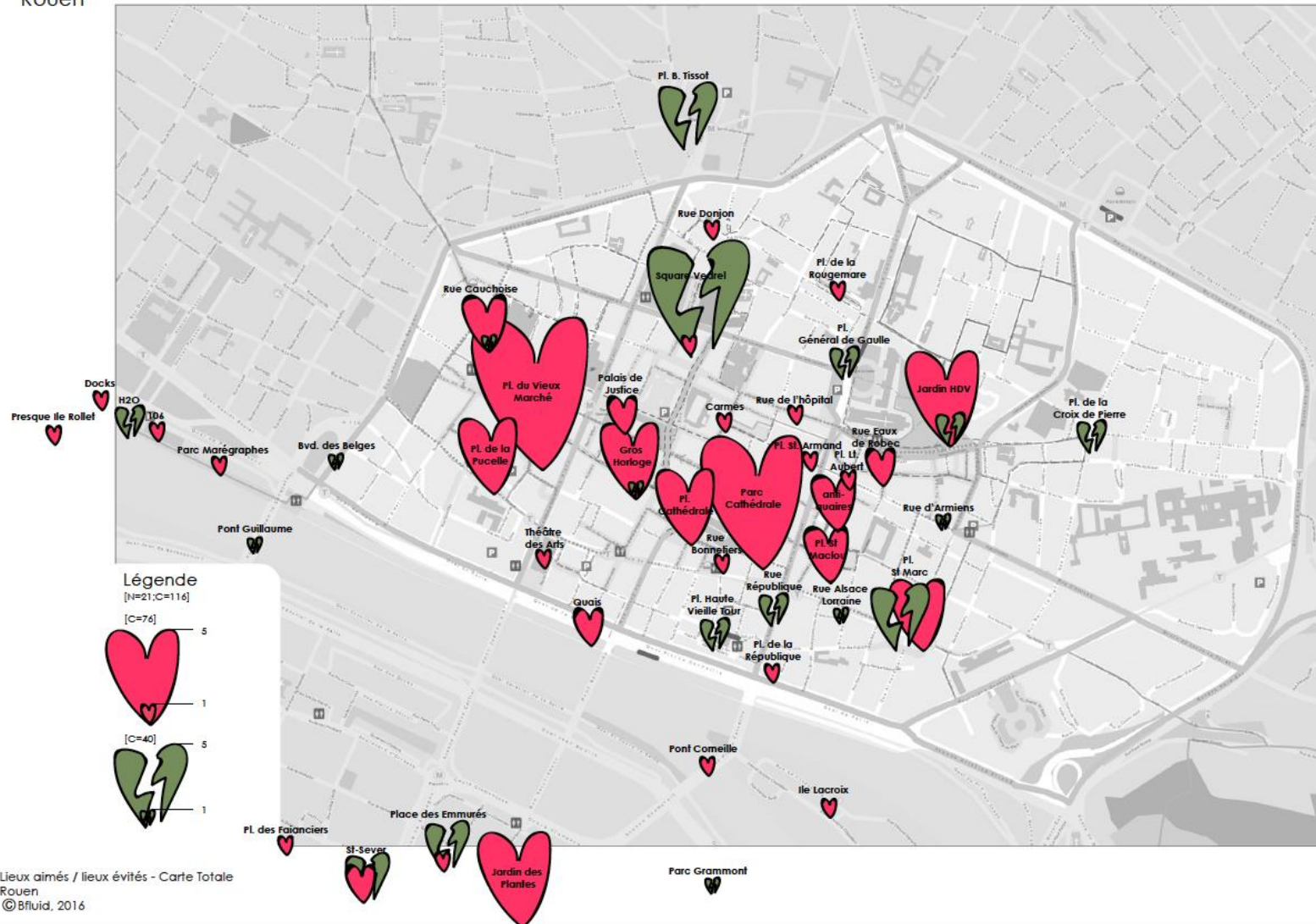
## Légende

- Intersections
- Viaire
- NE - 1260/km<sup>2</sup>
- NO - 1420/km<sup>2</sup>
- SE - 1935/km<sup>2</sup>
- SO - 2594/km<sup>2</sup>



# Lieux aimés / Lieux évités - Carte Totale

Rouen



## Réseau des places publiques

Rouen



Réseau des places publiques  
Rouen  
Bfluid, 2015

# Réseau des places publiques

Rouen



PARKING PRÉ

Les  
parkings  
prévenants

# 5



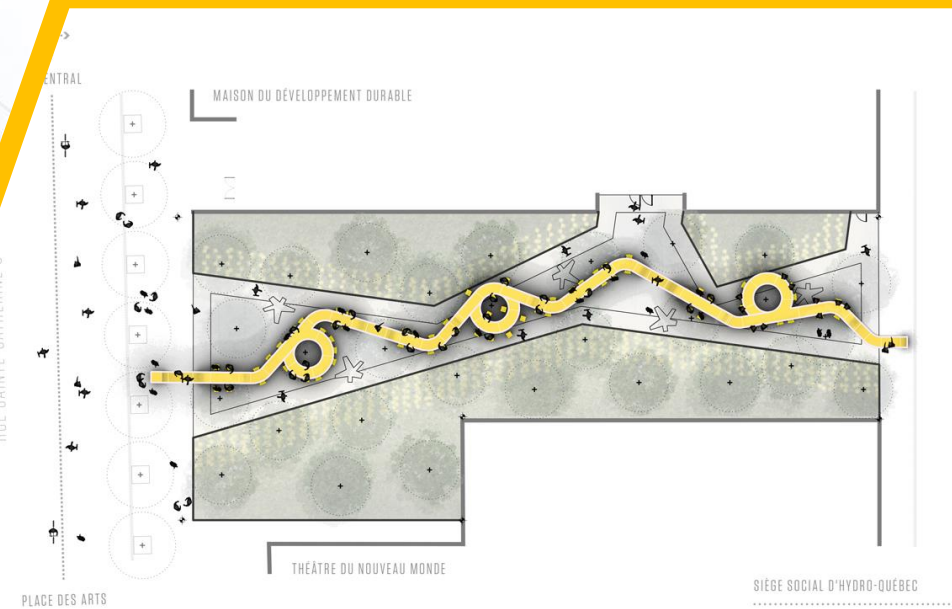
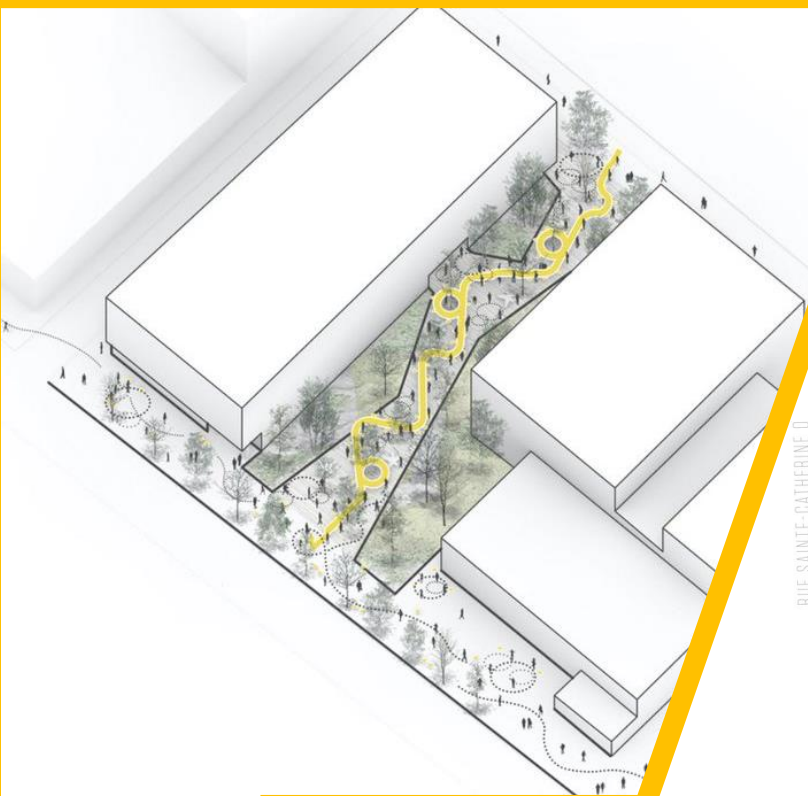
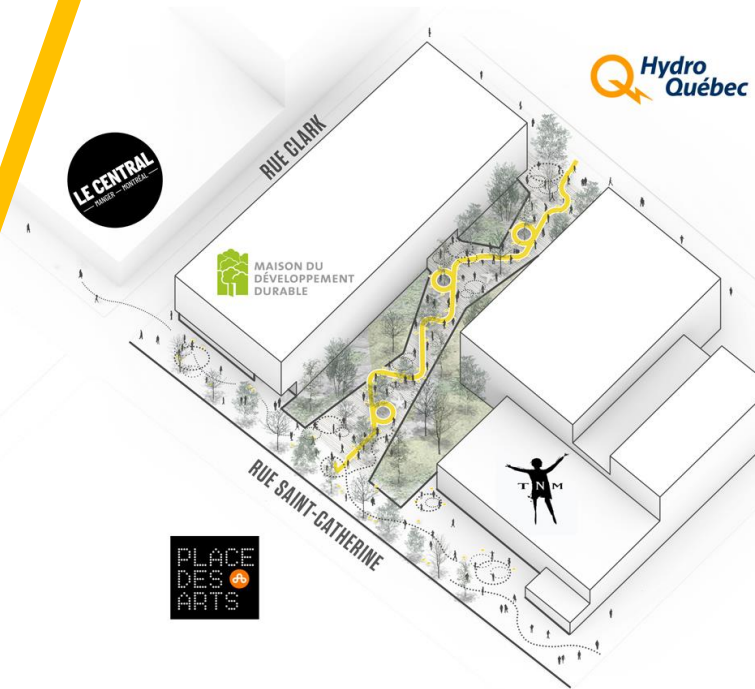
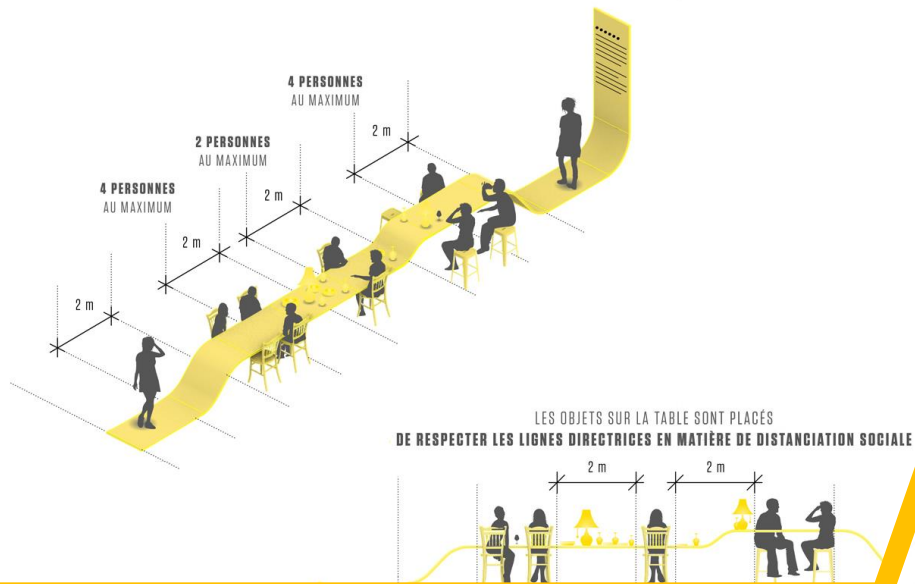


Tulip,

Rue Sainte-Catherine O,

Montréal







Jan-Fedder Promenade,  
Hambourg



Place des Remparts,  
Sion

Ville  
comestible

Square Jean-Baptiste Daviaïls,  
Nantes





# Design mécanique



# Design systémique

**Design biophilique**

**Ville régénérative**

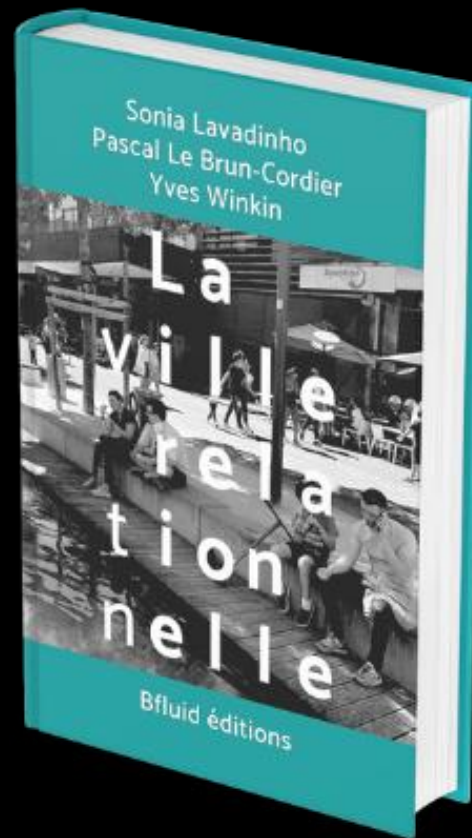


**Design inclusif**

**Ville relationnelle**







<https://vr.bfluid.com/la-ville-relationnelle>



Qu'est qu'on emporte  
dans nos bagages  
pour la

Ville de  
Demain

[https://www.linkedin.com/newsletters/  
billet-du-samedi-de-sonia-l-  
6885675163132706816/](https://www.linkedin.com/newsletters/billet-du-samedi-de-sonia-l-6885675163132706816/)

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