

Geneva. A diverse city?

Diversity

Introduction

Types of diversity

Why diversity?

An aggravated issue

Geneva. A diverse city?

Age diversity

Cultural diversity

Socioeconomic diversity

Urgency to diversity

Quantifying diversity

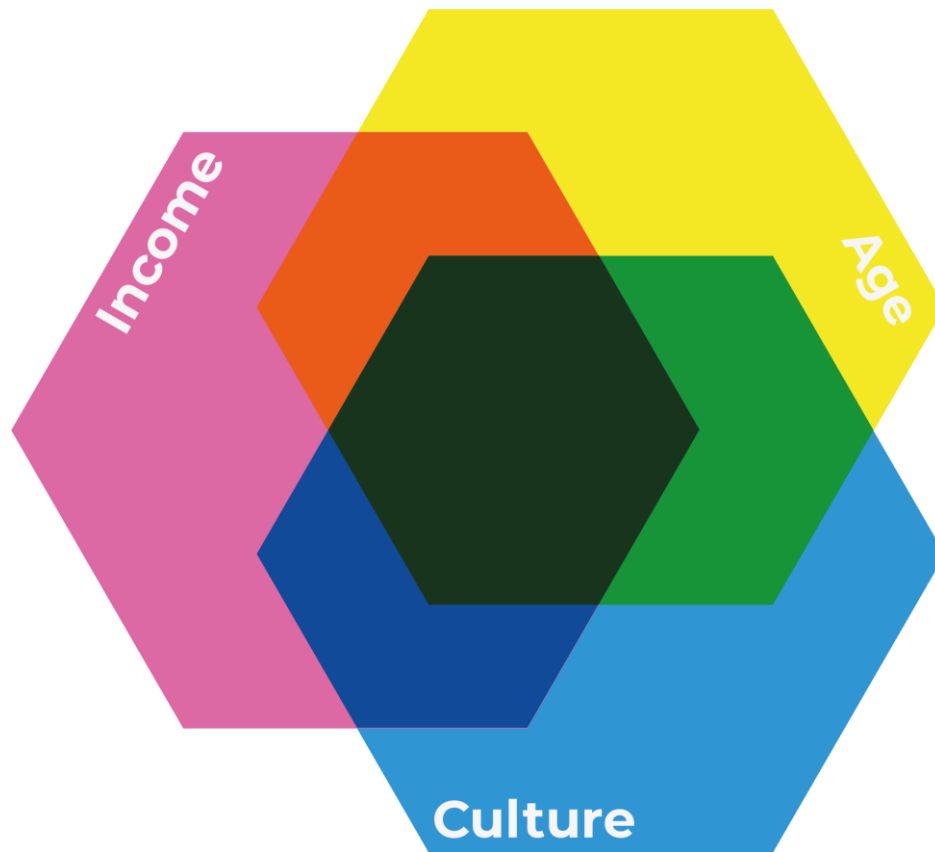
Areas of action

Strategies

Factors to foster diversity

Interventions







Article

Urban Studies

The complexity of diversity in reality: Perceptions of urban diversity

Rikke Skovgaard Nielsen 

Aalborg University, Denmark

Anne Hedegaard Winther 

Aalborg University, Denmark

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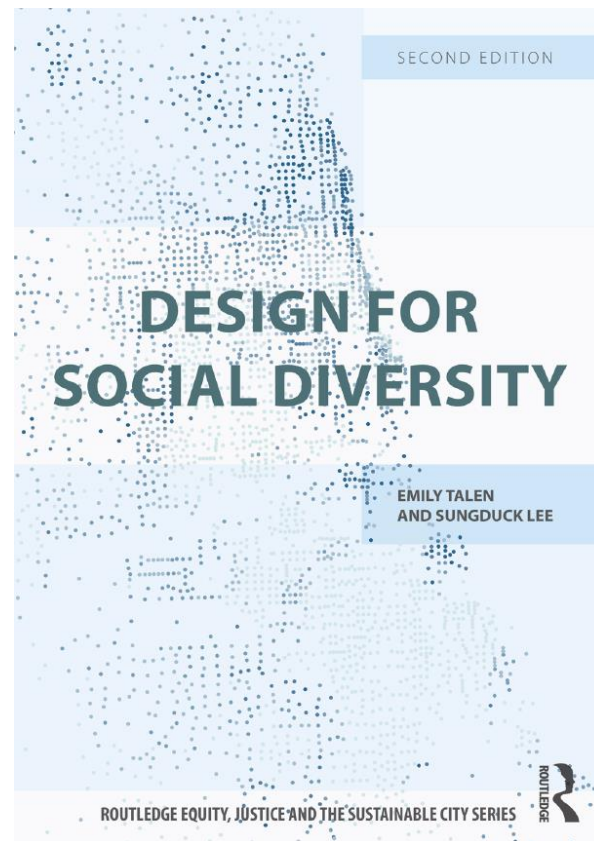

Humans adapt to social diversity over time

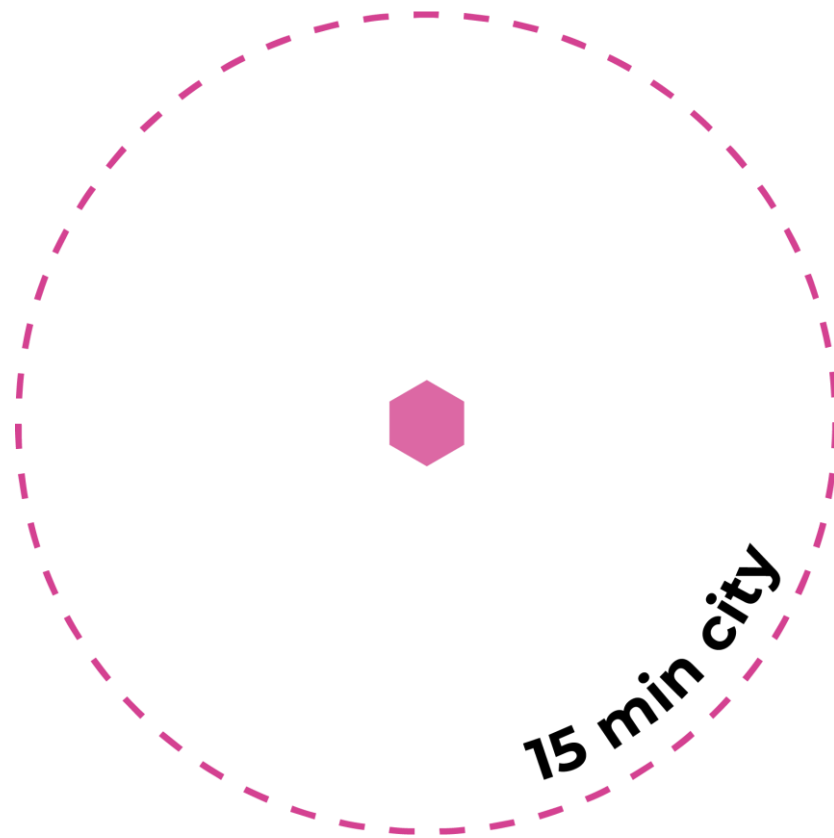
Miguel R Ramos ^{1 2}, Matthew R Bennett ³, Douglas S Massey ⁴, Miles Hewstone ^{5 6}

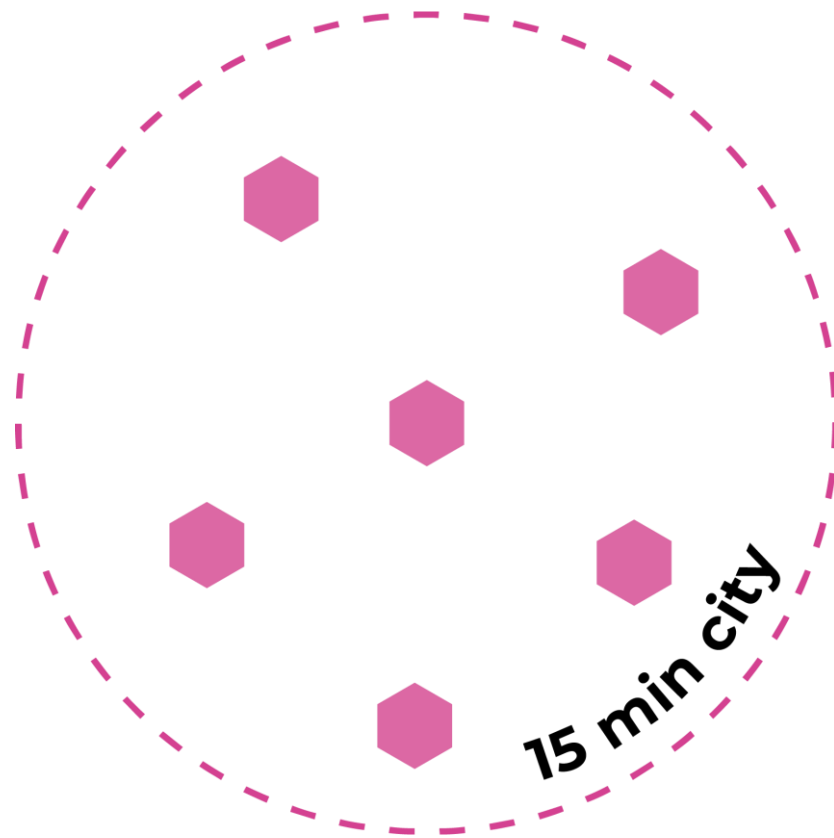
Affiliations [+](#) expand

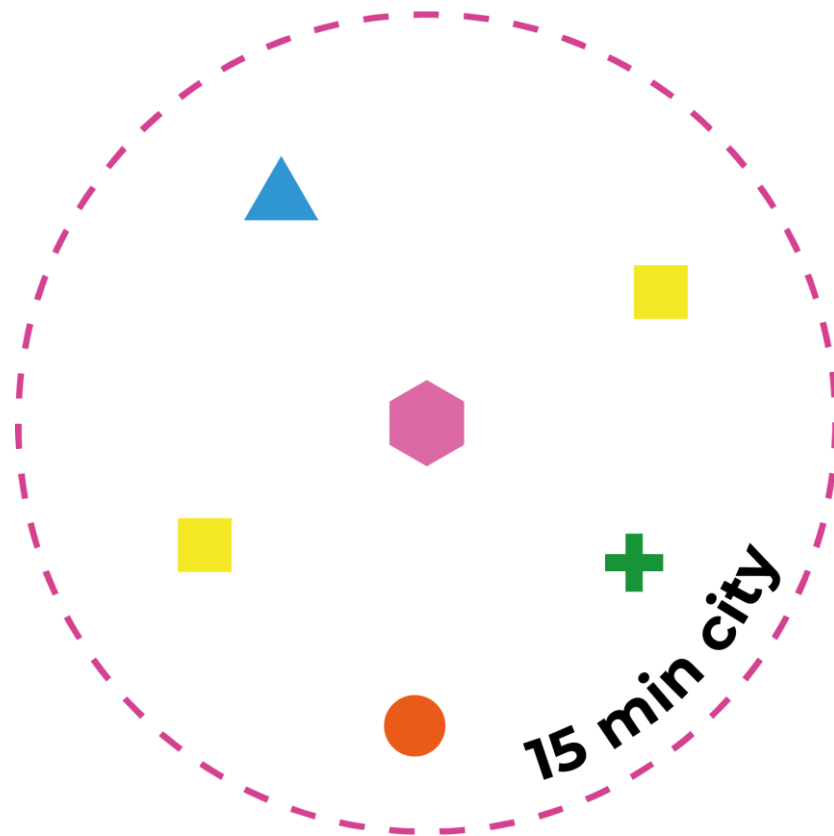
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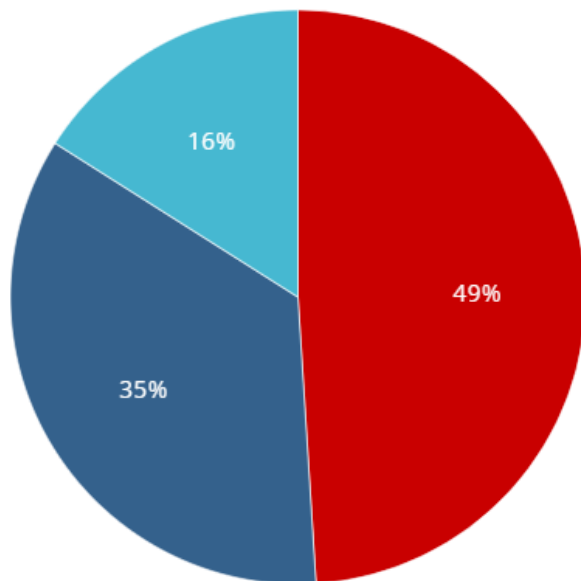




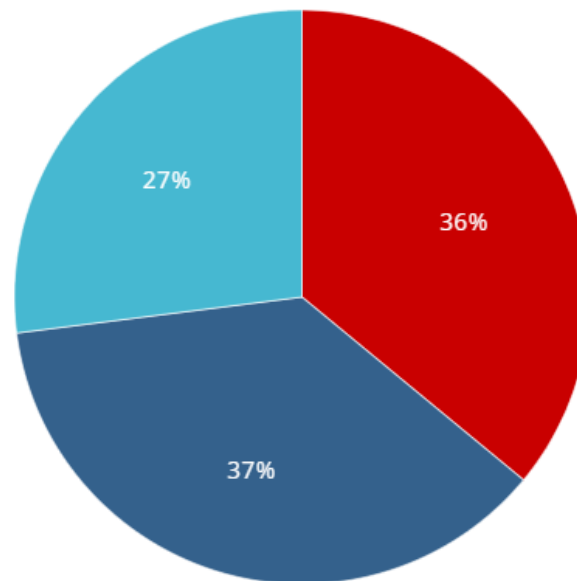
Breakdown of Geneva population

Evolution from 2000 to 2014-2016

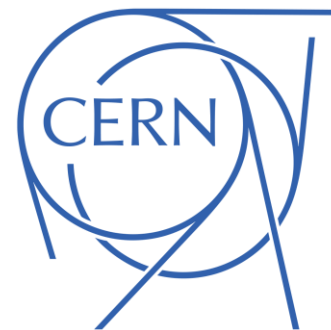
■ Swiss only ■ Foreign national only ■ Dual national



2000



2014-2016



The Most Expensive Cities in the World

Worldwide Cost of Living 2017 index (New York=100)*



* Worldwide Cost of Living index compares >400 individual prices across 160 products and services (including food, drink, clothing, household supplies and personal care items, home rents, transport, etc.)



@StatistaCharts

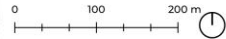
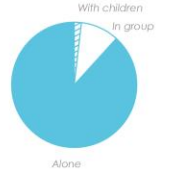
Source: The Economist Intelligence Unit

statista

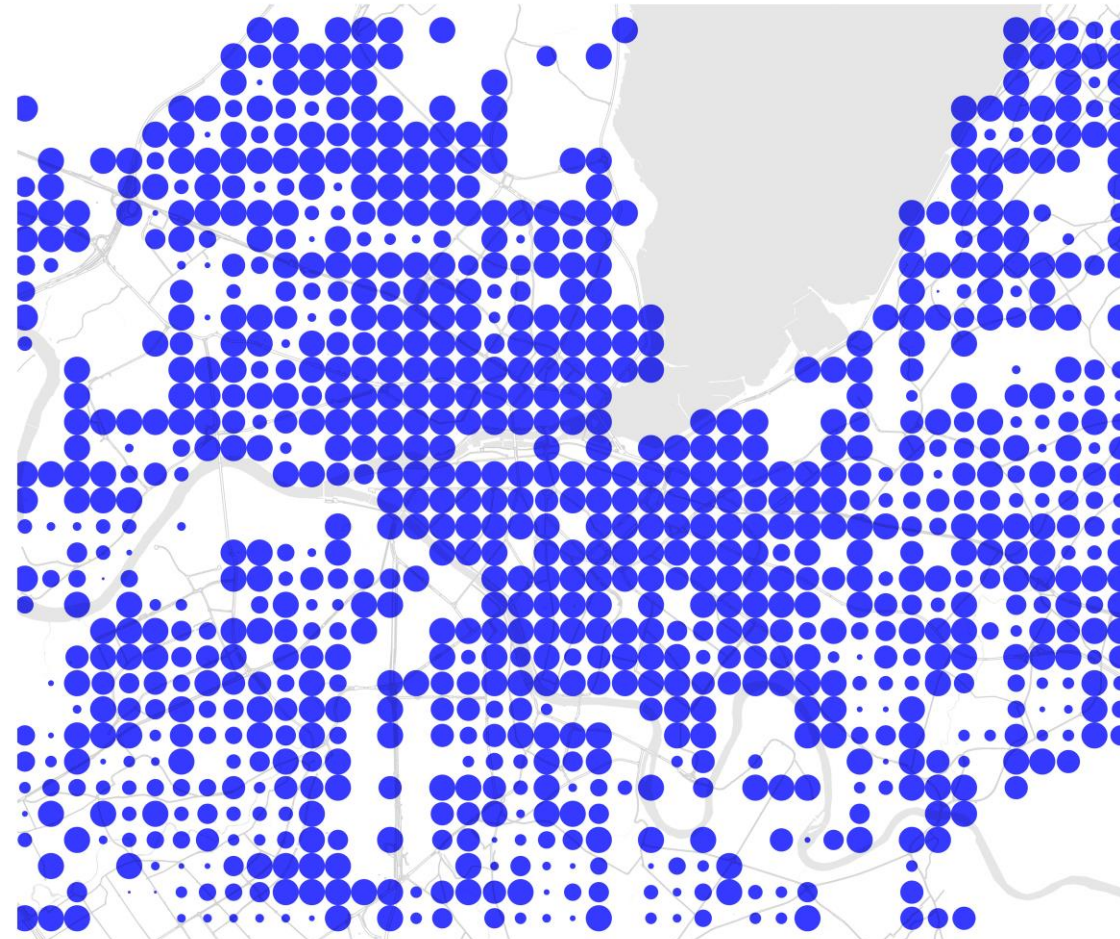
SITE DATA COLLECTION
Gendered spaces



Gendered spaces



CULTURE
Country of origin

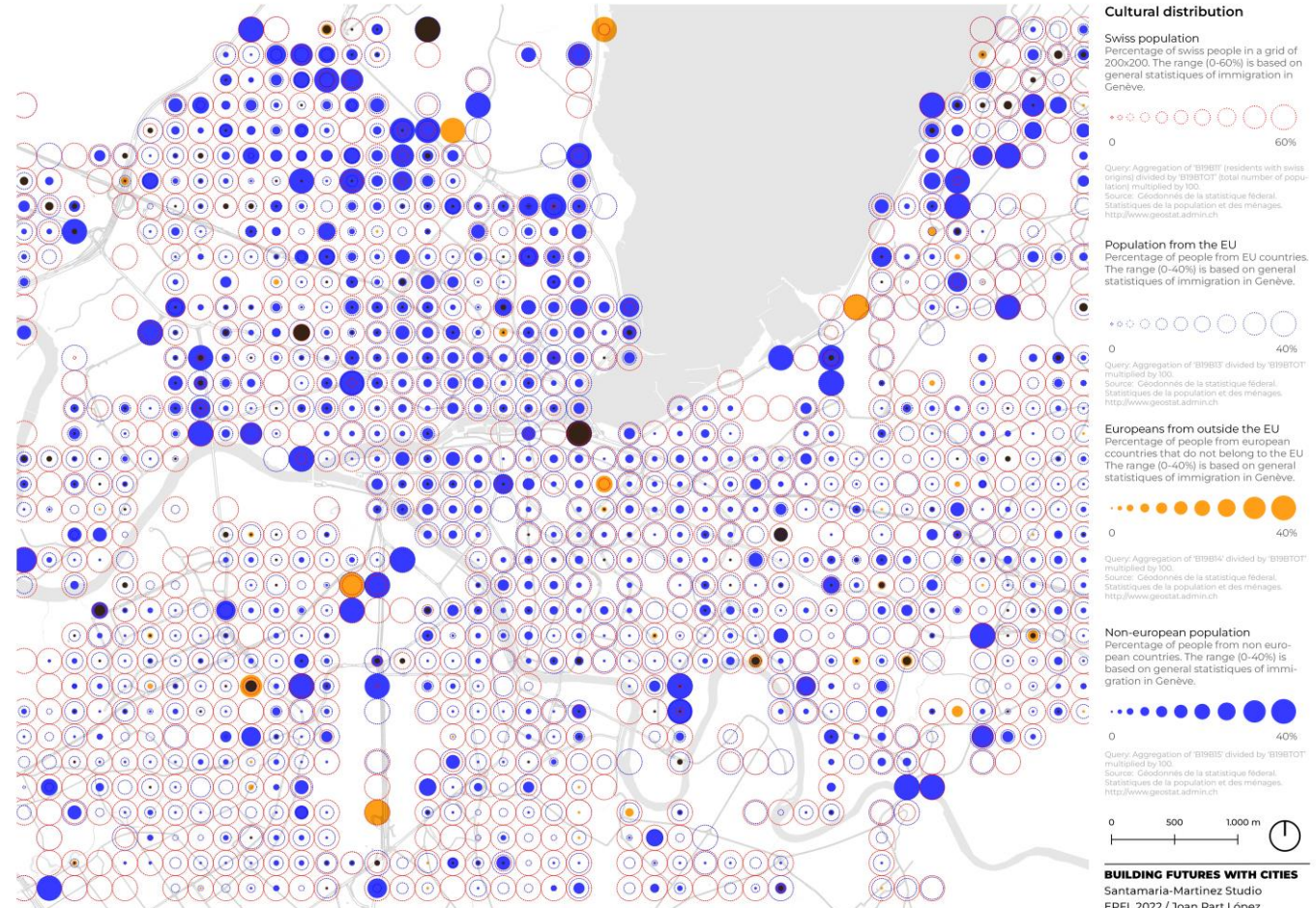


Cultural distribution
Population with non-swiss origins
Percentage of people from non-swiss countries (they may have the swiss citizenship too). The range (0-40%) is based on general statistics of immigration in Genève.
0 40%
Query: Aggregation of 'B1987' multiplied by 100
Source: Géolommes de la statistique fédérale, statistiques de la population et des ménages <http://www.geostat.admin.ch>



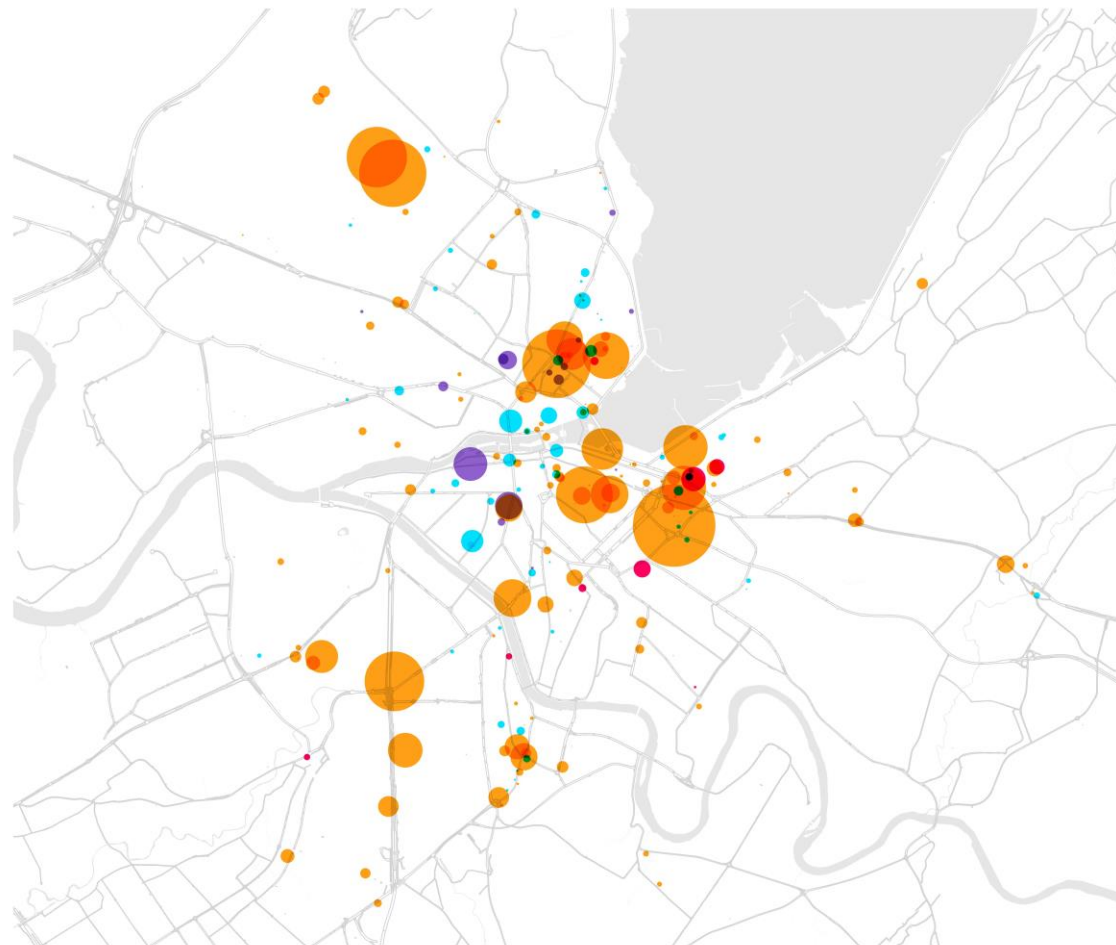
Source:
Office fédéral de la
statistique

CULTURE
Country of origin



Source:
Office fédéral de la
statistique

CULTURE
Cuisine offer



Diversity of flavours

Cuisine diversity
Restaurants in Genève divided by the international cuisine they offer. The size of the dots correspond to the number of reviews given in Google Places, as a proxy for popularity.

● European and north american (swiss, french, US, italian...)

Query: Restaurants filtered by key words such as "swiss", "fondue", "pizza", "tapas", etc.
Source: Google Places

● Asian (chinese, japanese, korean...)

Query: Restaurants filtered by key words such as "chinese", "thailandese", "sushi", "indian", "korean", etc.
Source: Google Places

● Latin american (mexican, argentinian, peruan...)

Query: Restaurants filtered by key words such as "mexican", "tacos", "argentinian", "brasilian", etc.
Source: Google Places

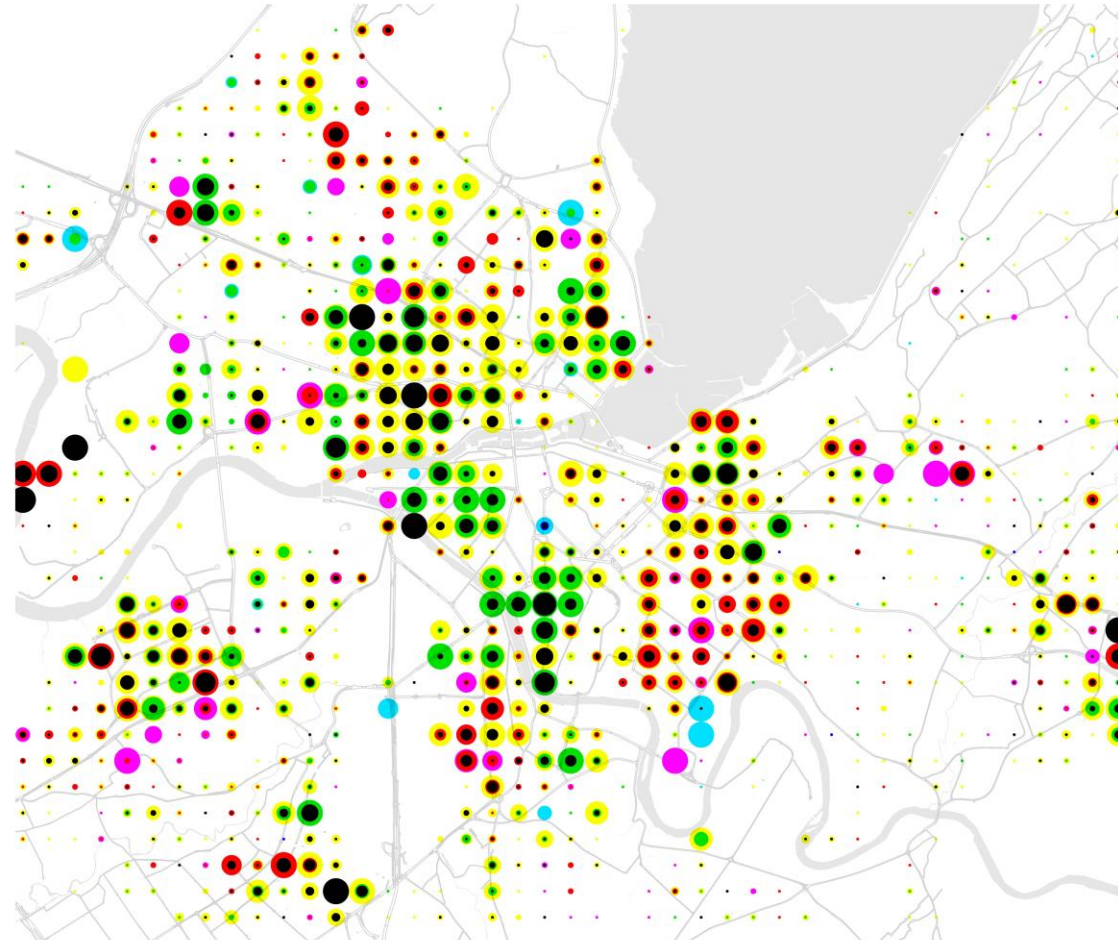
● Middle east (turkish, lebanese, iranes...)

Query: Restaurants filtered by key words such as "mexican", "tacos", "argentinian", "brasilian", etc.
Source: Google Places



Source:
Google Places

DEMOGRAPHY
Age

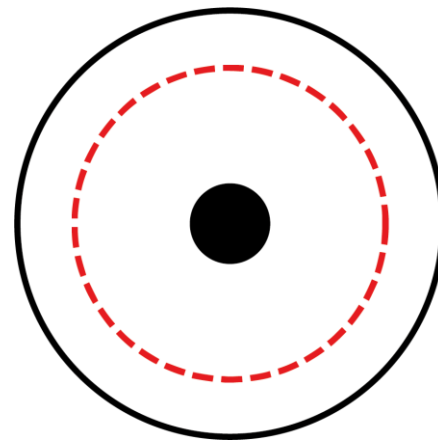


Source:
Office fédéral de la
statistique

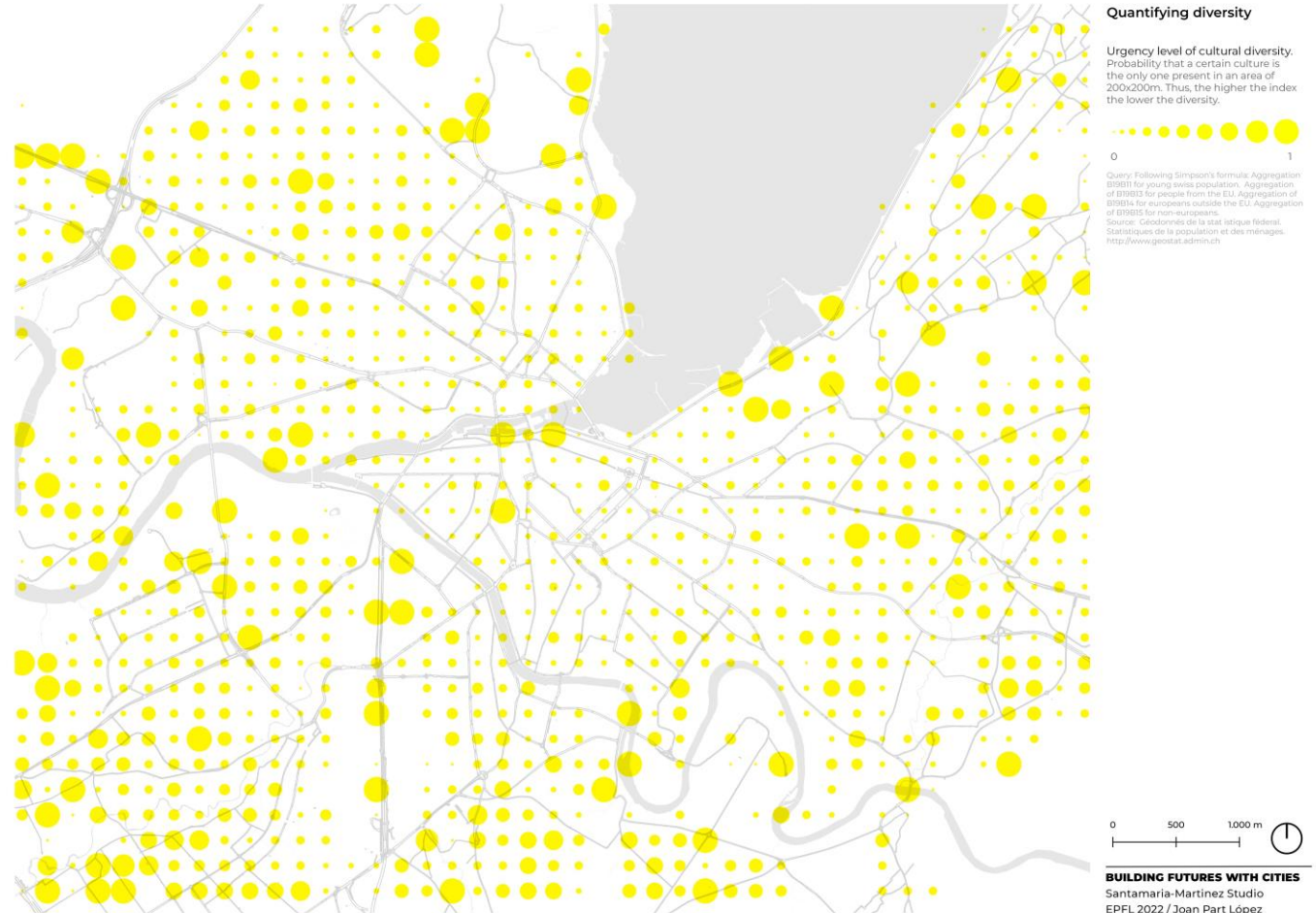
Quantifying diversity

Simpson's index

$$D = \frac{\sum n(n-1)}{N(N-1)}$$



Urgency to diversity
Culture



Source:
Office fédéral de la
statistique

Urgency to diversity
Age



Quantifying diversity

Urgency level of age diversity. Probability that a certain range of age is the only one present in an area of 200x200 m. Thus, the higher the index the lower the diversity.



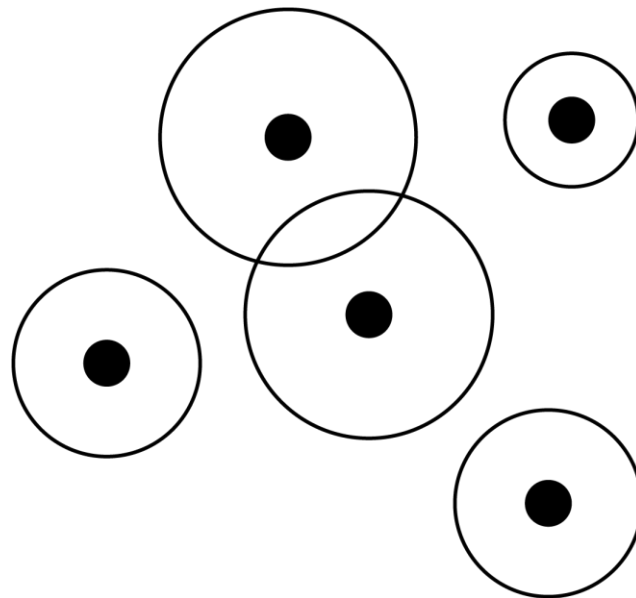
Query: Following Simpson's formula: Aggregation of 0196M04+0196M05+0196M06+0196M07+0196M08+0196M09+0196M10 for young population. Aggregation of 0196M11+0196M12+0196M13+0196M14+0196M15+0196M16+0196M17+0196M18+0196M19 for middle-aged population. Aggregation of 0196M20+0196M21+0196M22+0196M23+0196M24+0196M25+0196M26+0196M27+0196M28+0196M29+0196M30 for old population.
Source: Géodonnées de la statistique fédérale. Statistiques de la population et des ménages. <http://www.geostat.admin.ch>



Source:
Office fédéral de la
statistique

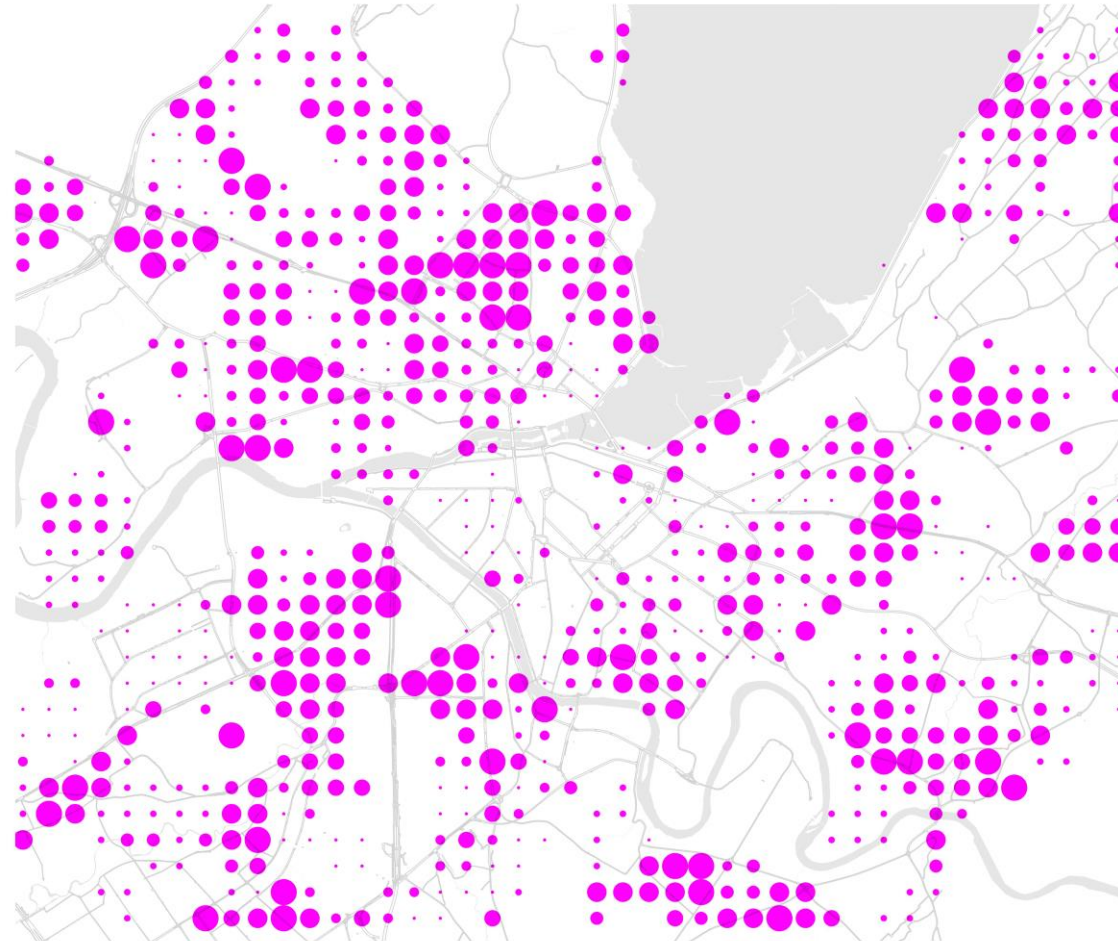
Difference with the surroundings

$$D = \frac{x - x_0}{x_0} \times 100$$



Urgency to diversity

Income



Quantifying diversity

Income difference with the surroundings.
Percentage of difference between the average income of a certain area and the average income 1000 m around. Thus, the closer the percentage to 0% the lower diversity in the surroundings.



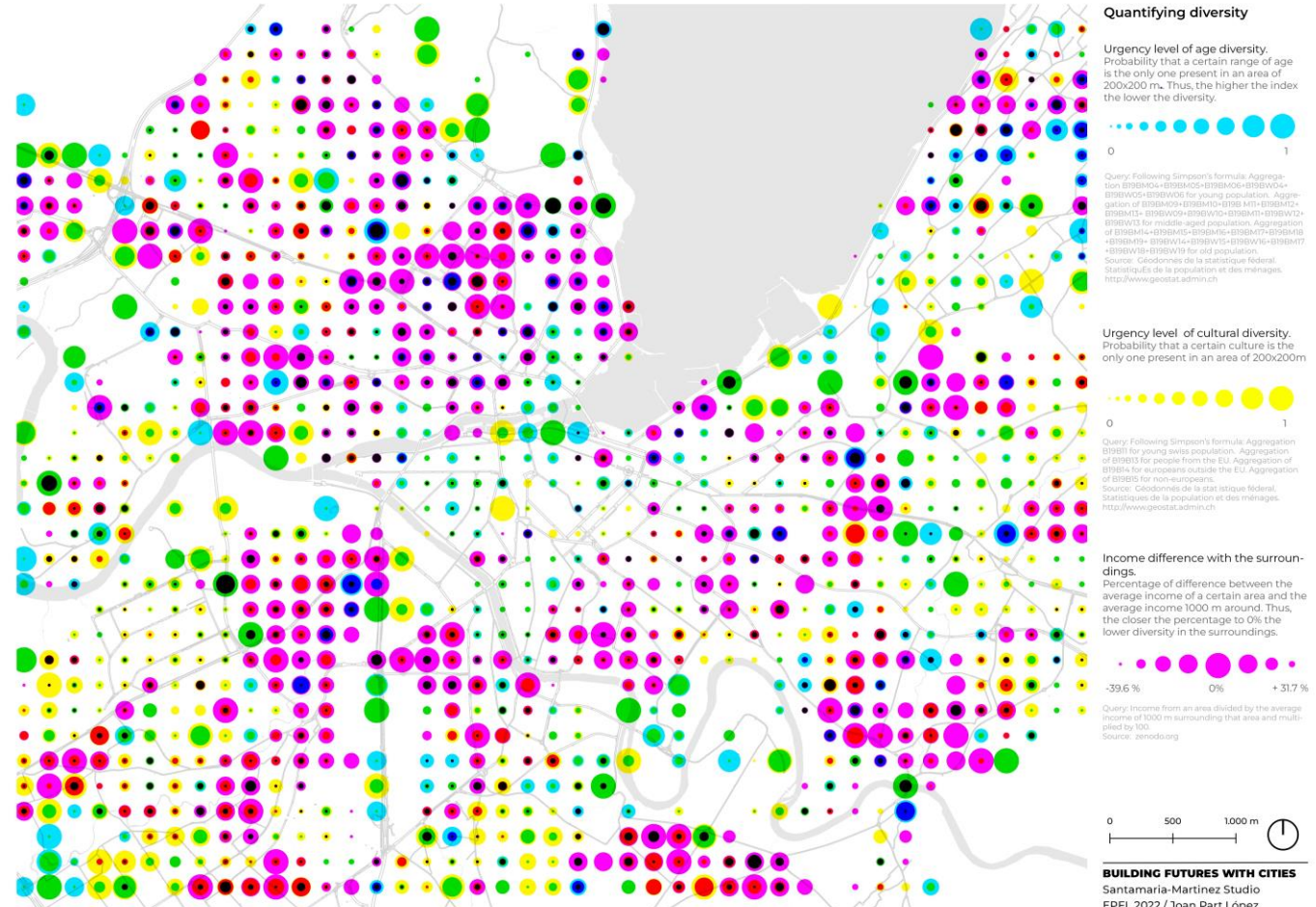
Query: Income from an area divided by the average income of 1000 m surrounding that area and multiplied by 100.
Source: zenodo.org



BUILDING FUTURES WITH CITIES
Santamaria-Martinez Studio
EPFL 2022 / Joan Part López

Source:
Zenodo.org

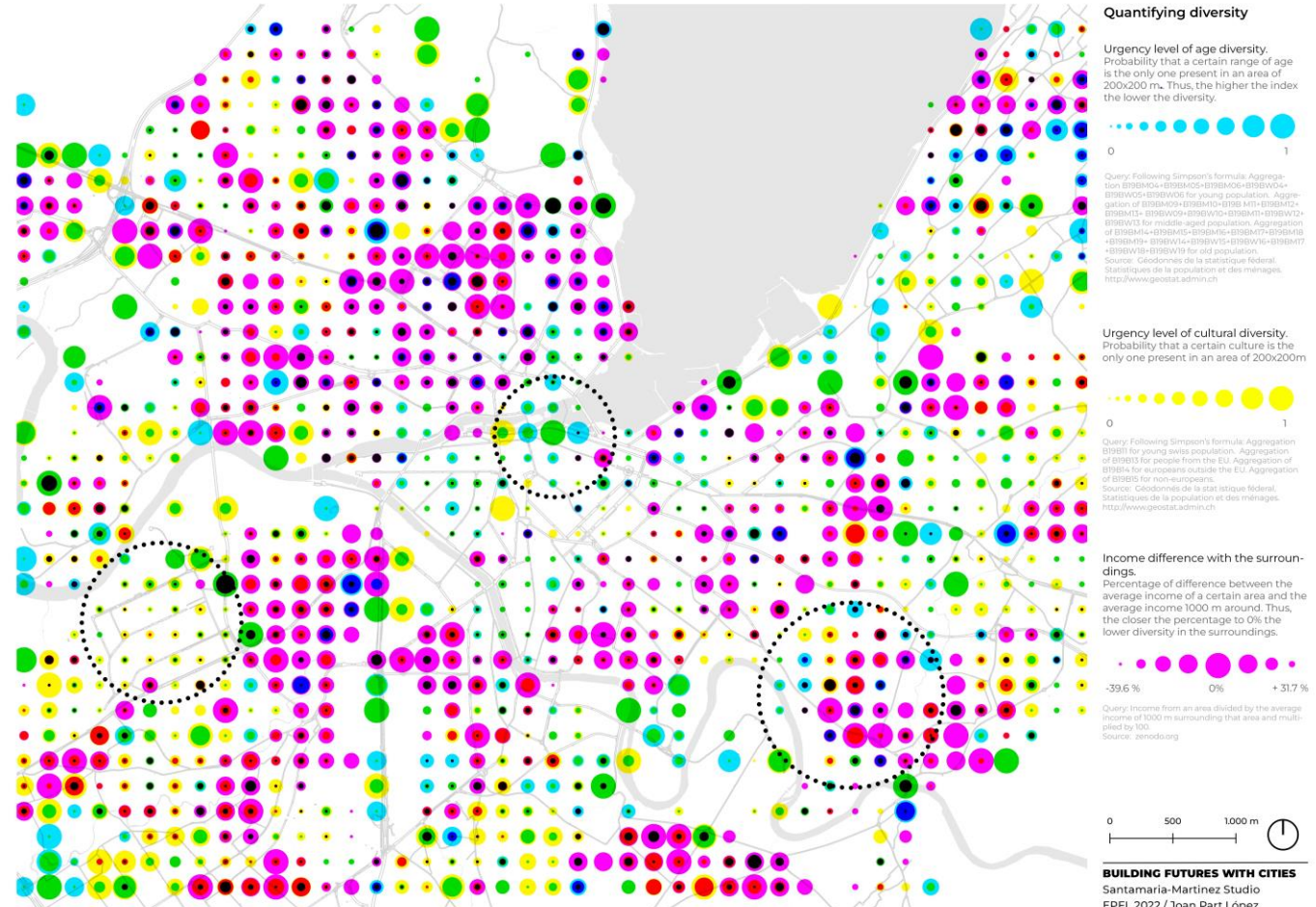
Urgency to diversity



Source:
Zenodo
Office fédéral de la
statistique

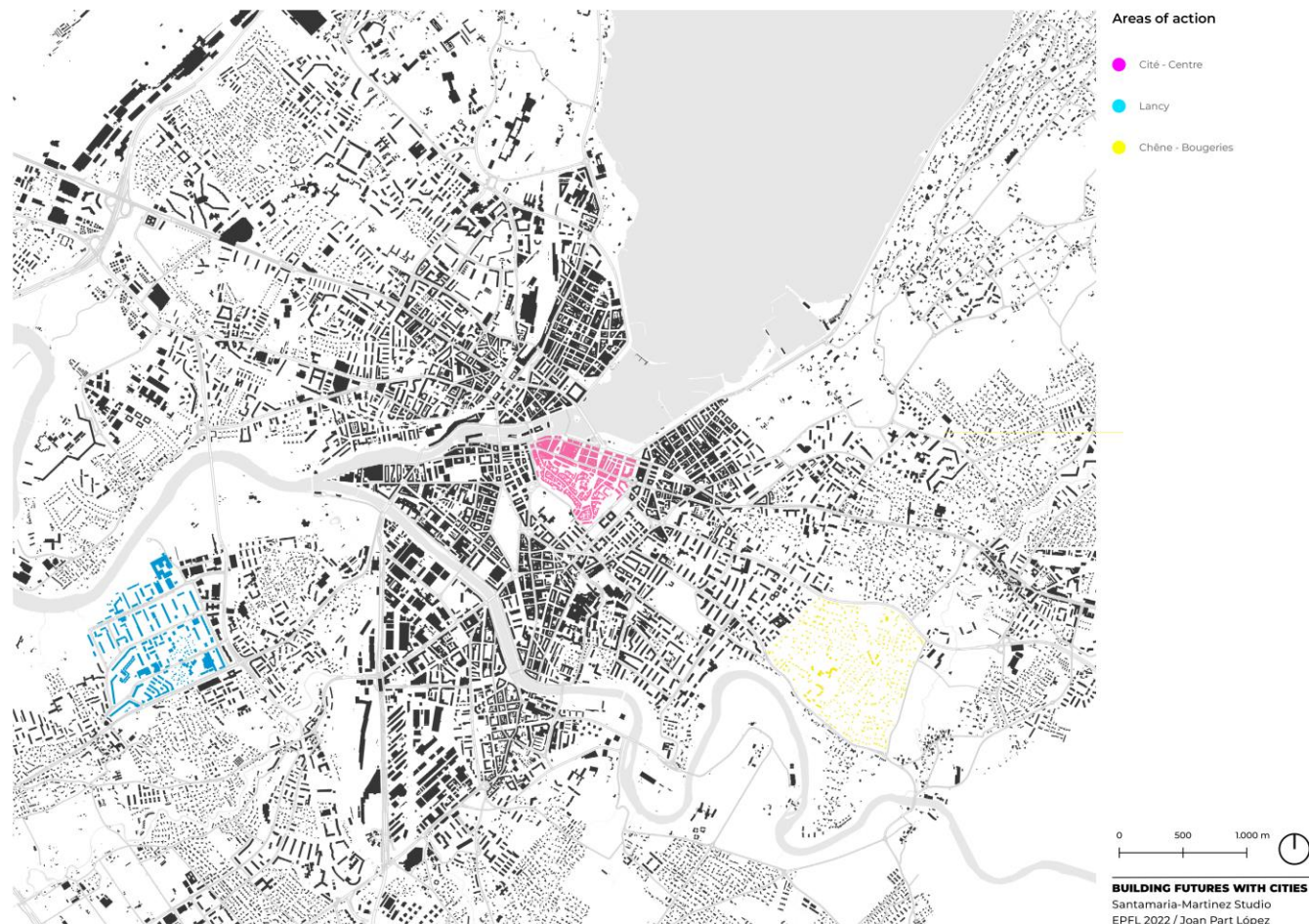
Areas of action

Urgency to diversity
Areas of action

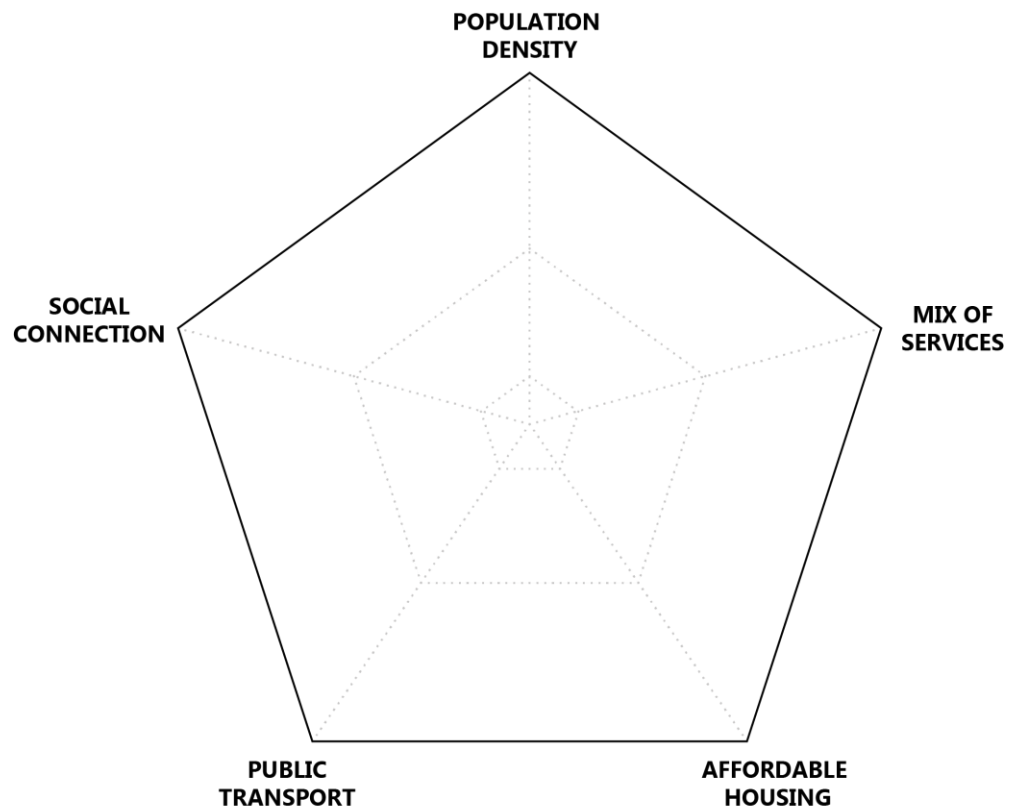


Urgency to diversity

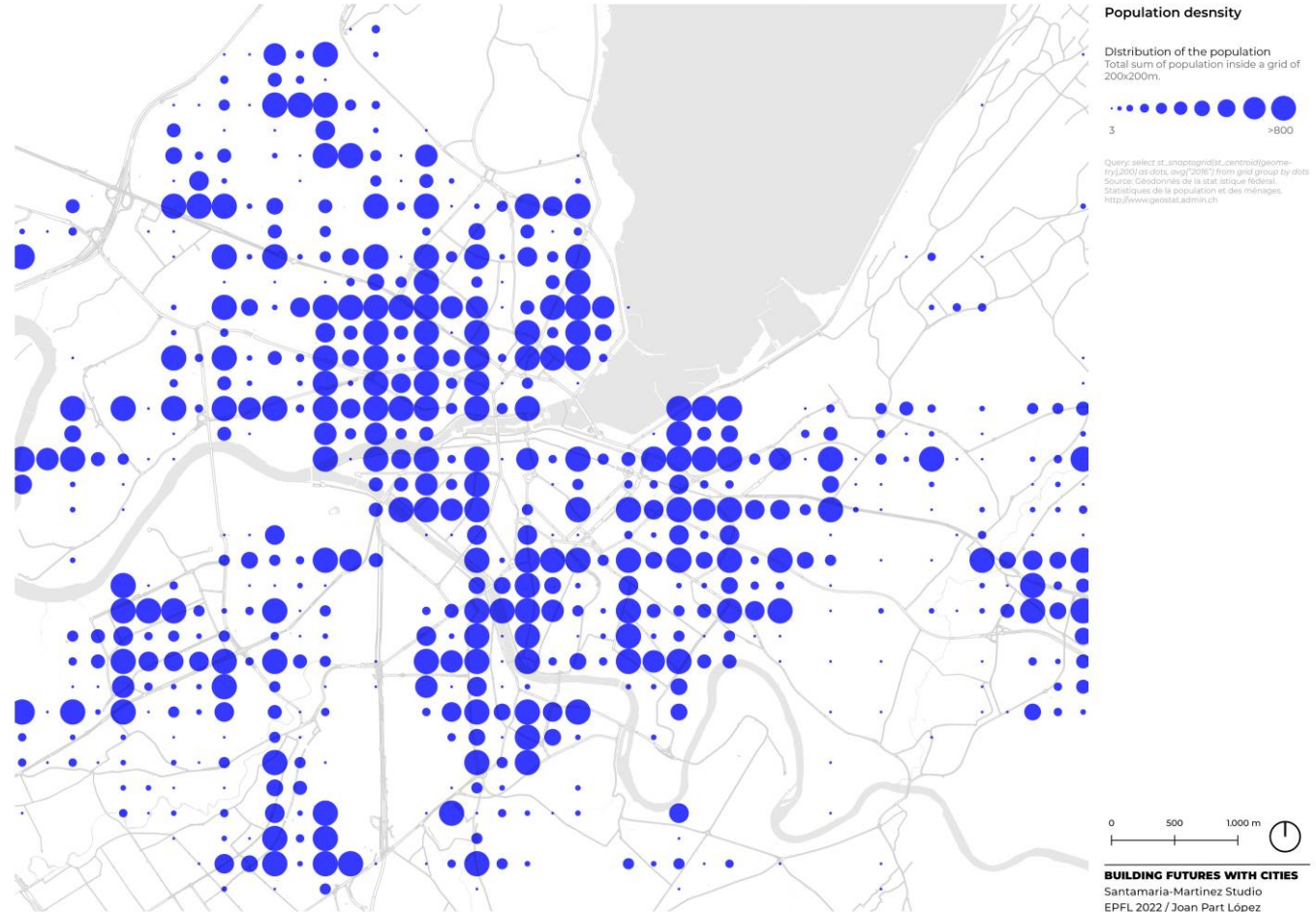
Areas of action



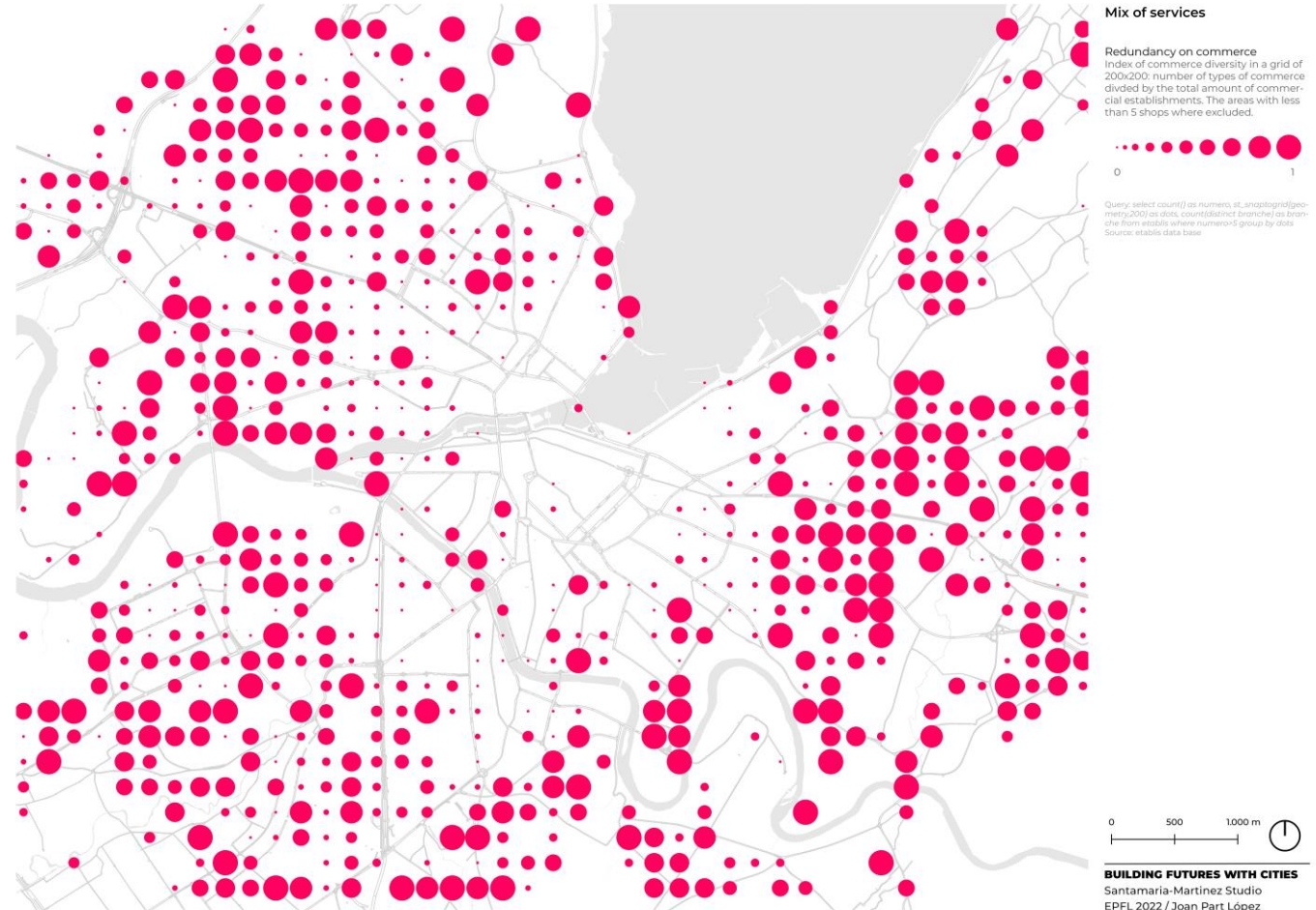
Factors to foster diversity



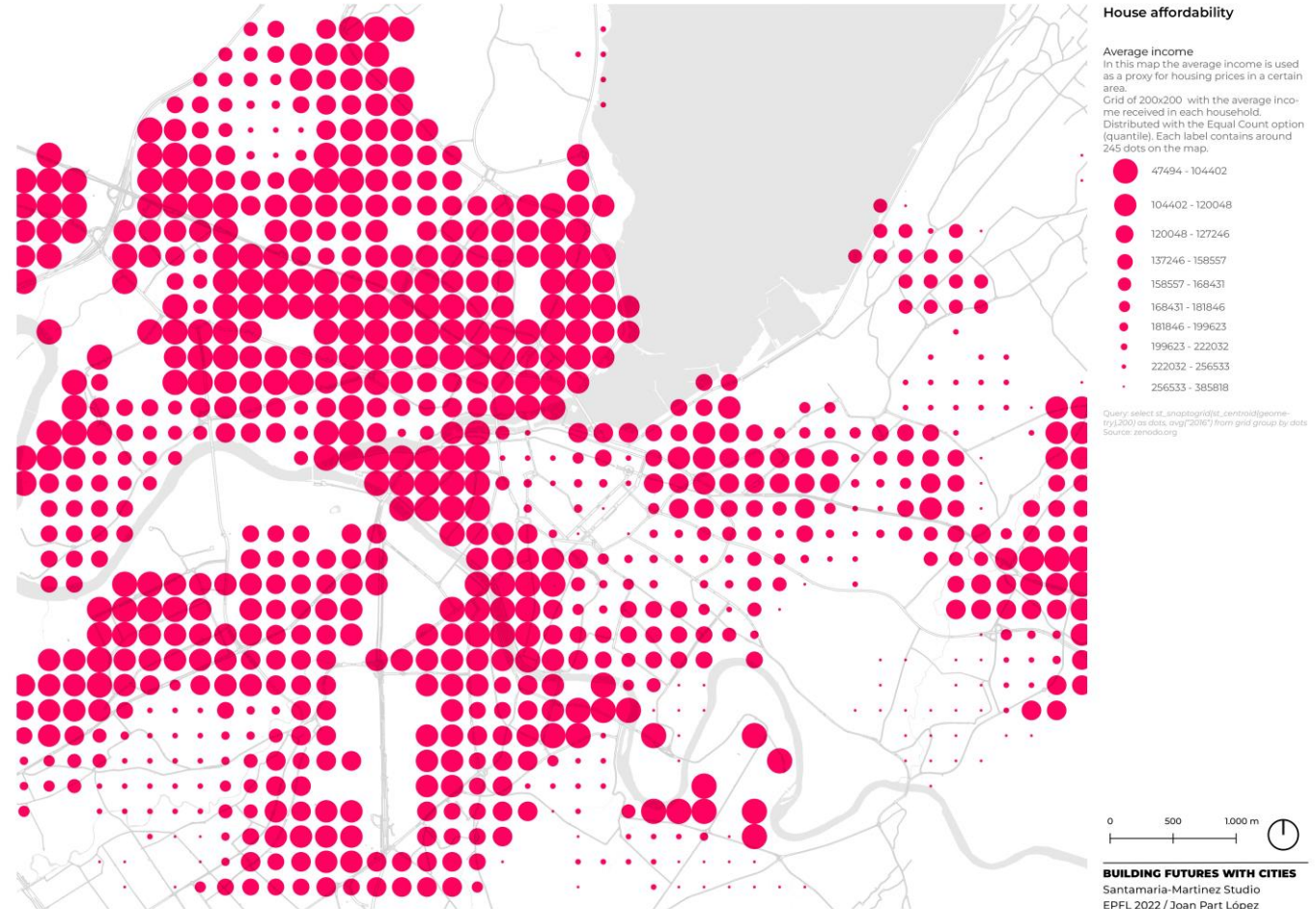
Factors for diversity
Population density



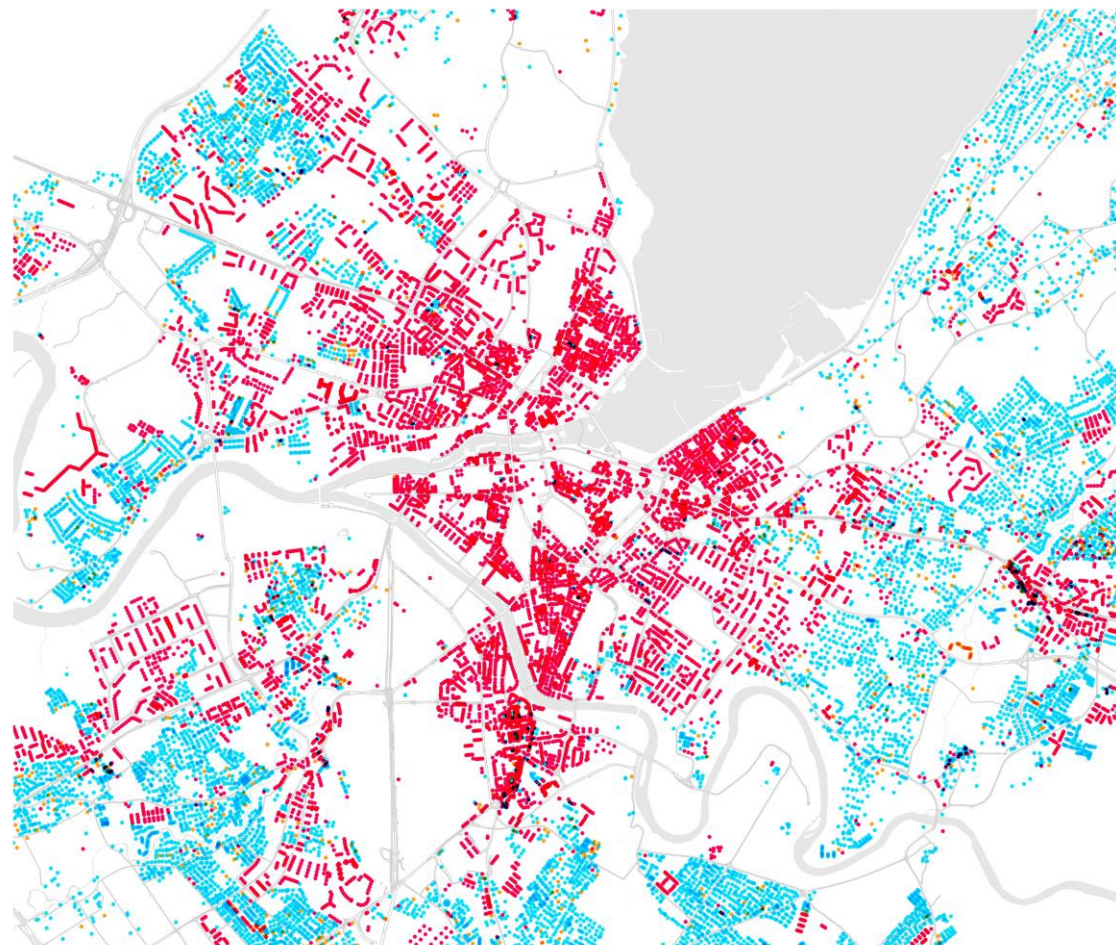
Factors for diversity
Mix of services



Factors for diversity
Affordable housing



Factors for diversity
Affordable housing



House affordability

Mix of housing offer
Different typologies of residential buildings in Genève.

● Collective housing

Query: Filtered by "Hab plusieurs logements", "Habitation - actives", "Hab - rez actives", "Aussi haberg collectif", etc.
Source: SITC Cadastre

● Single family houses

Query: Filtered by "Habitation un logement"
Source: SITC Cadastre

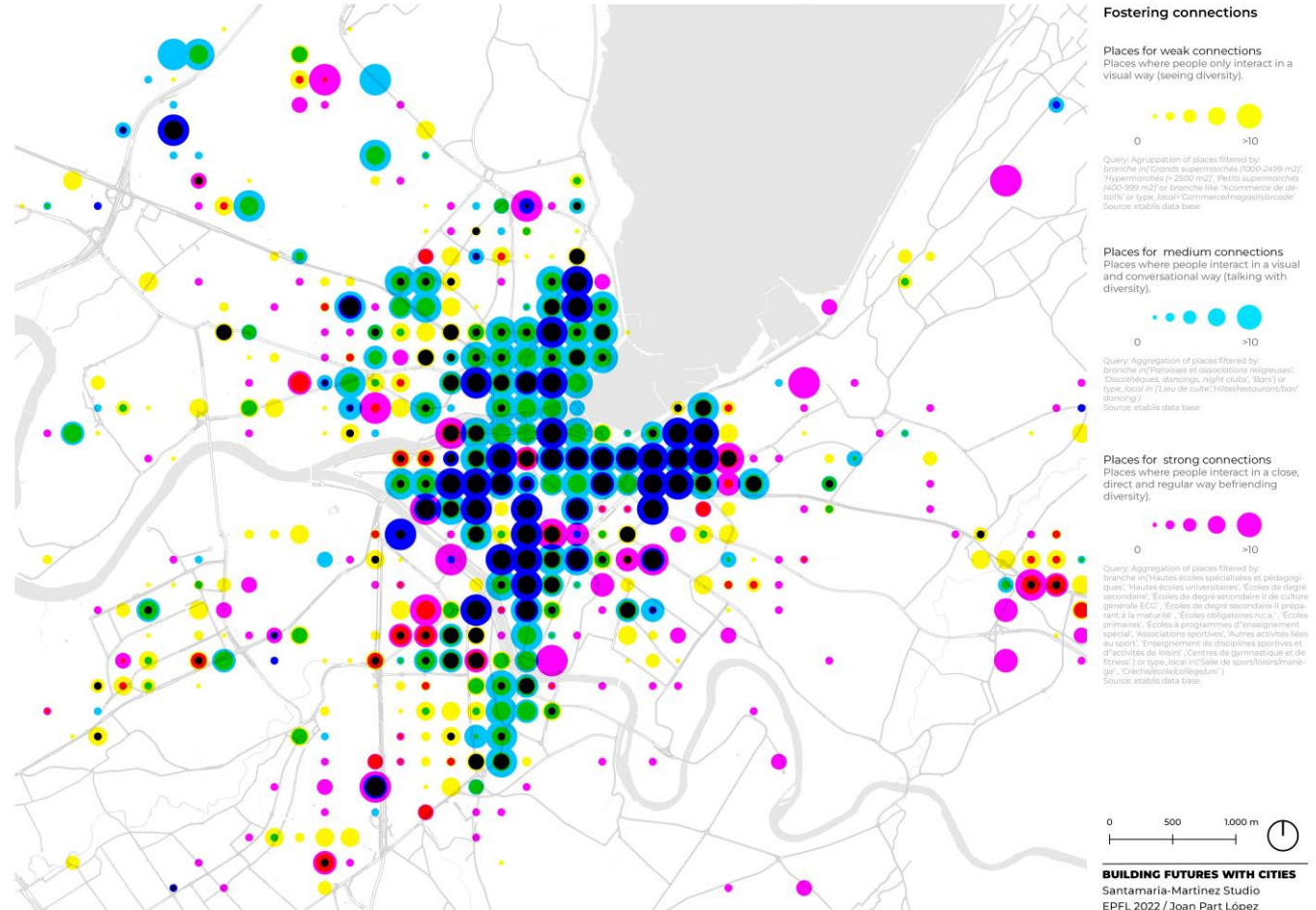
● Double dwelling buildings

Query: Filtered "Hab deux logements", etc.
Source: SITC Cadastre

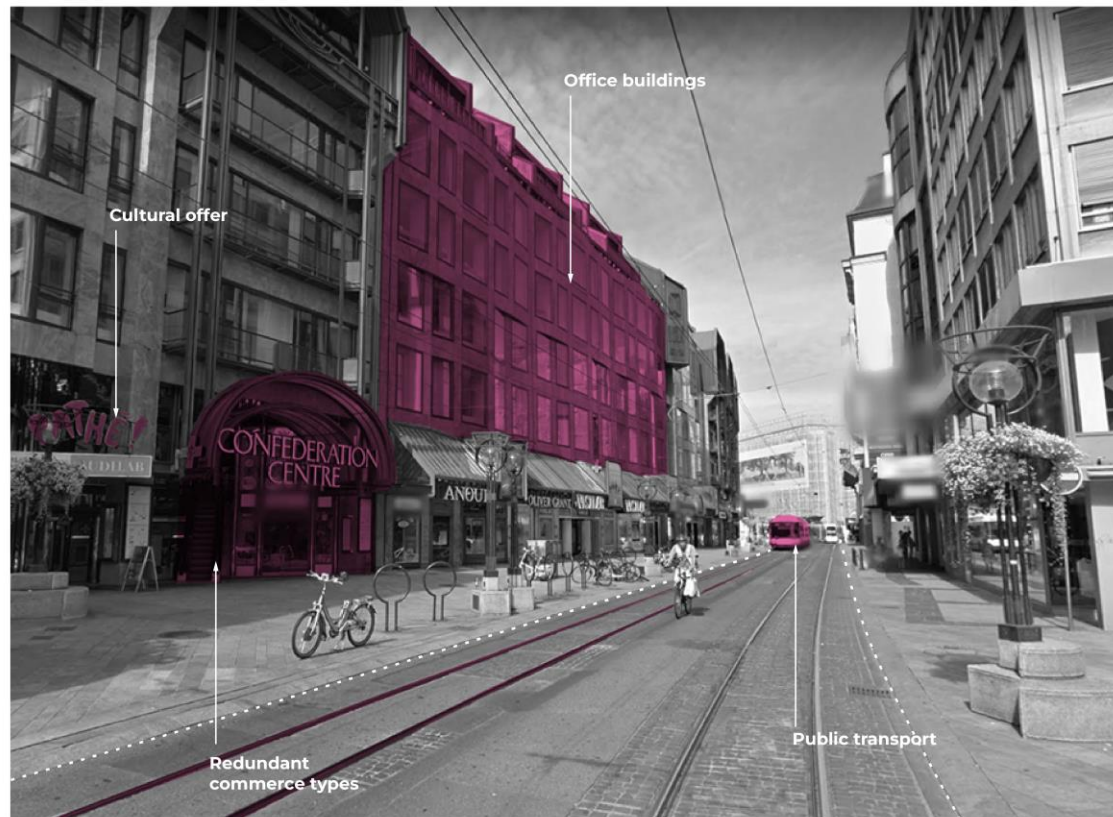


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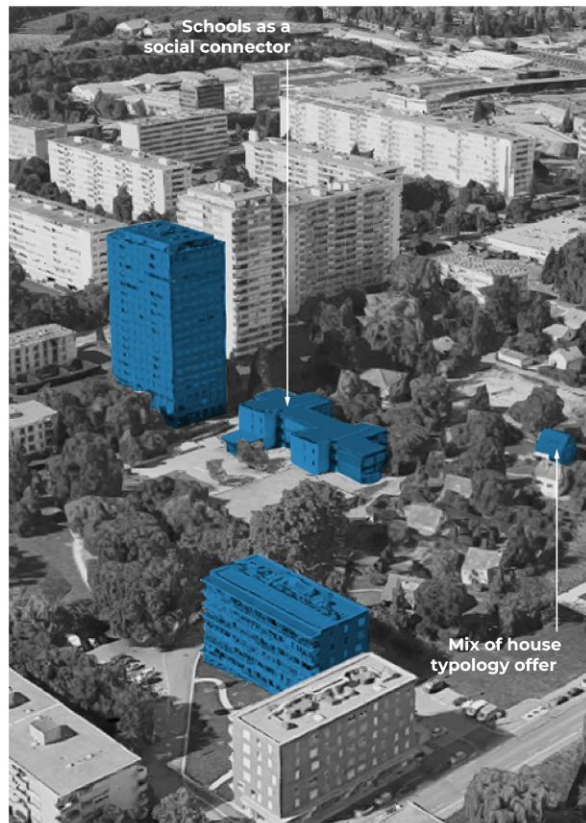
Factors for diversity
Affordable housing



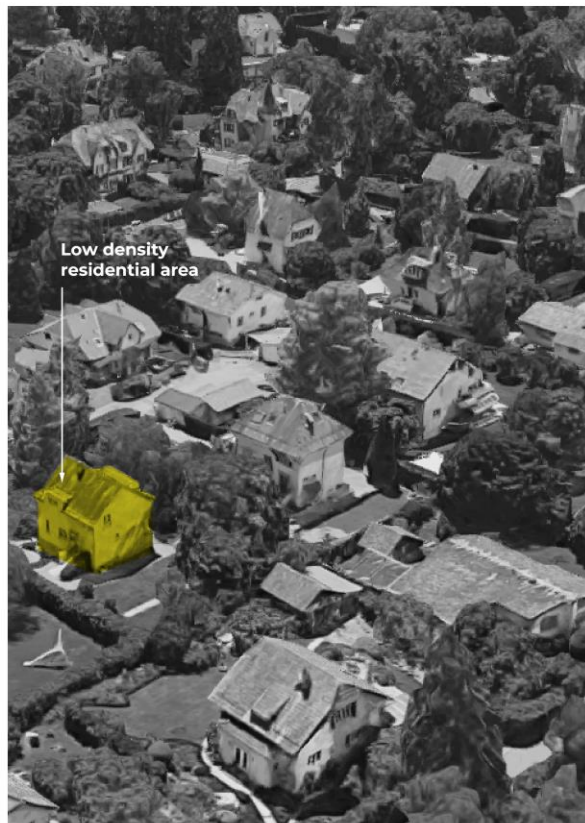
Cité - Centre

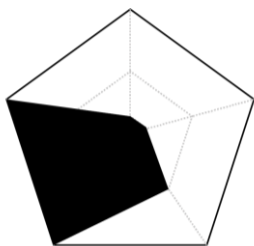


Lancy

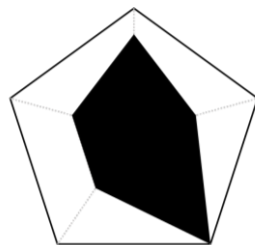


Chêne - Bougeries

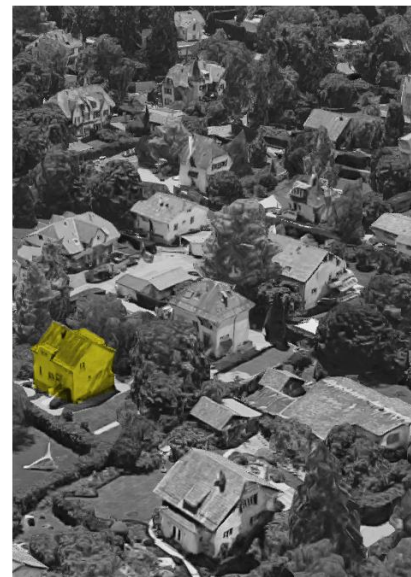
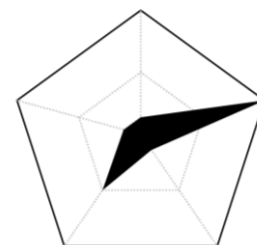




Introduction



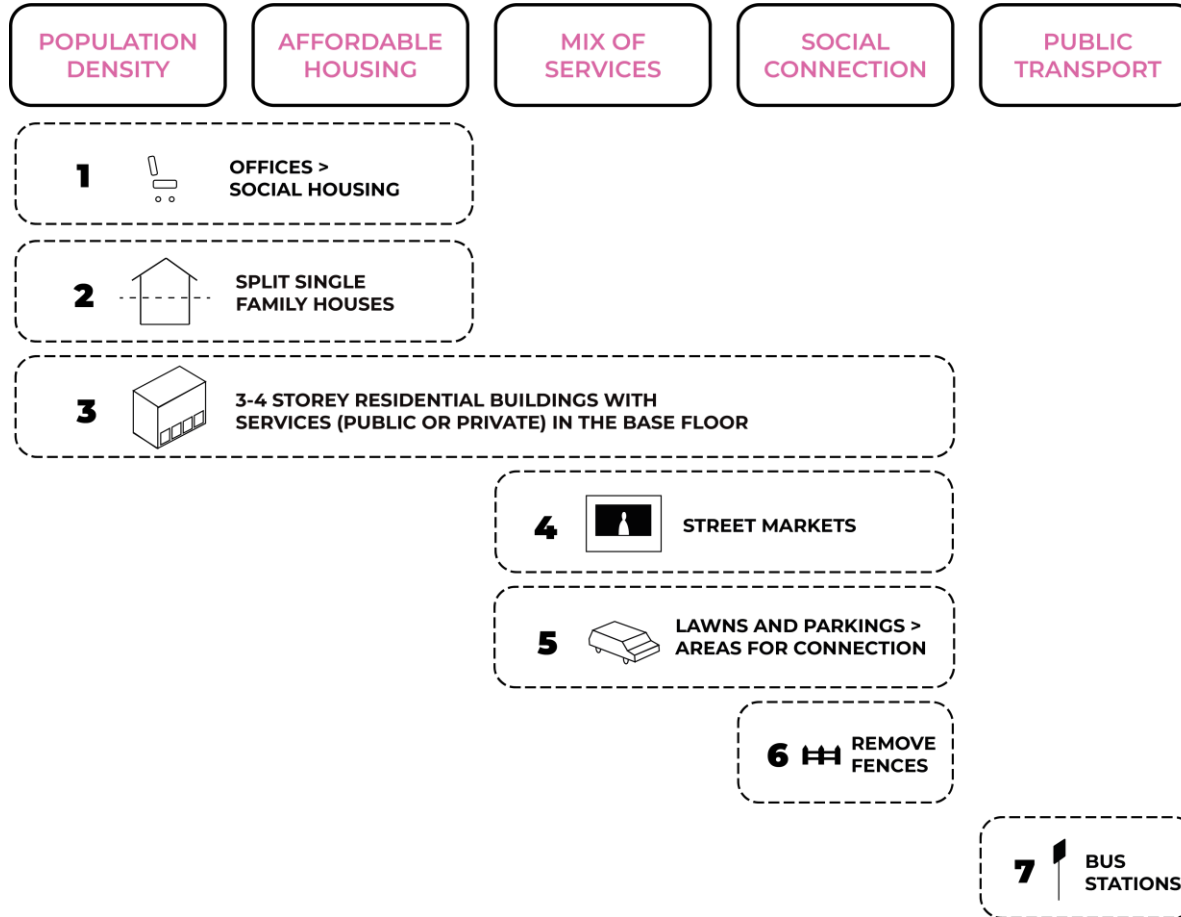
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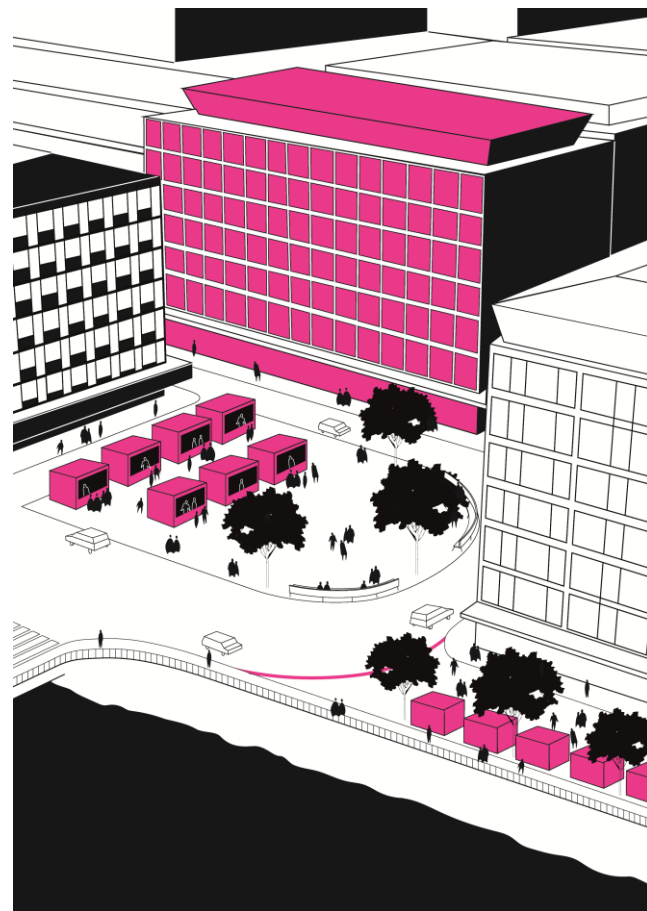


Urgency to diversity

Interventions

Interventions





Introduction

Geneva. A diverse city?

Urgency to diversity

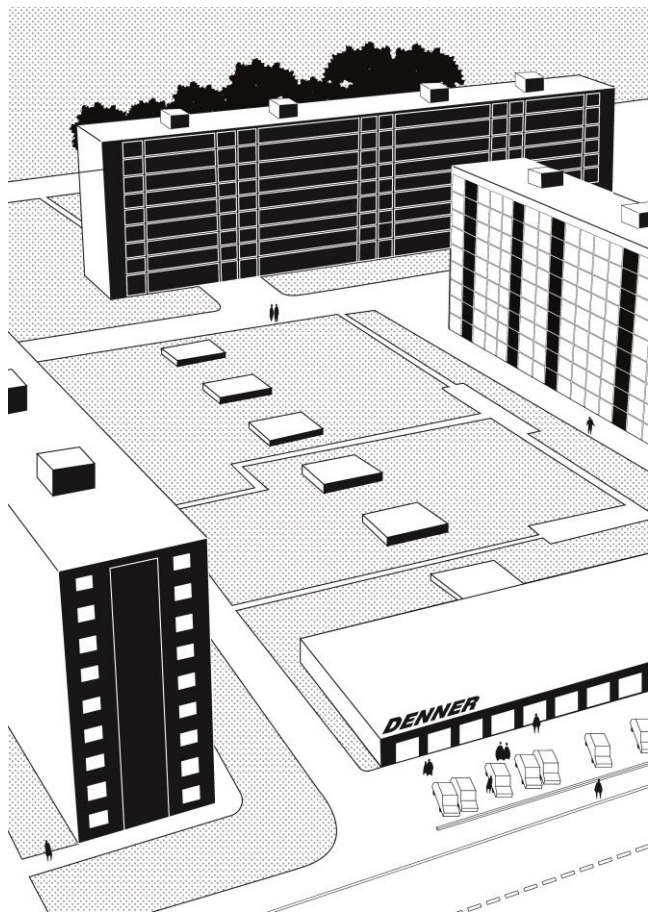
Interventions

Areas for intervention Cité - Centre

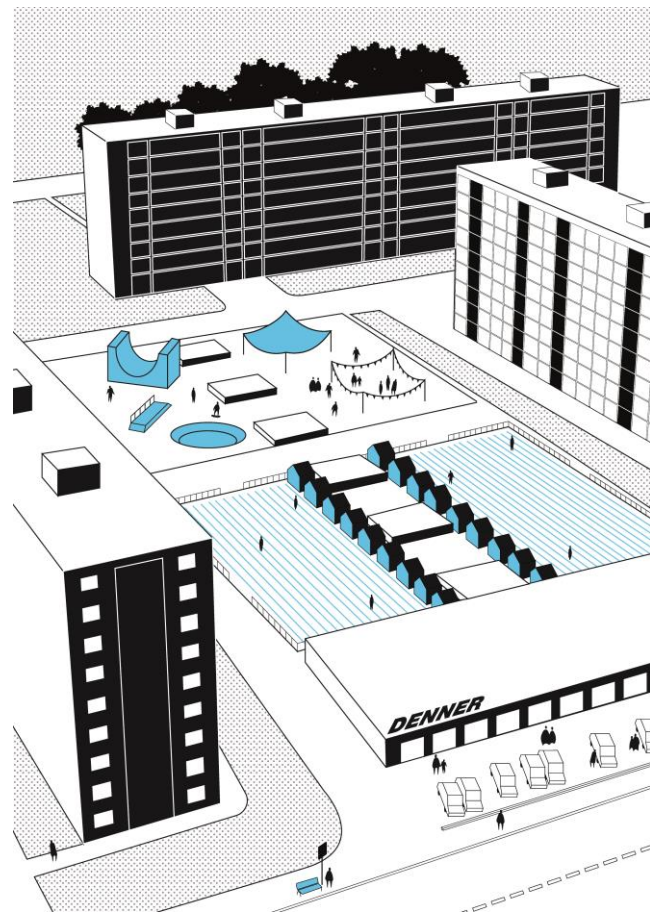


Areas for intervention City centre

- Potential closing offices
- Potential street market areas



Introduction

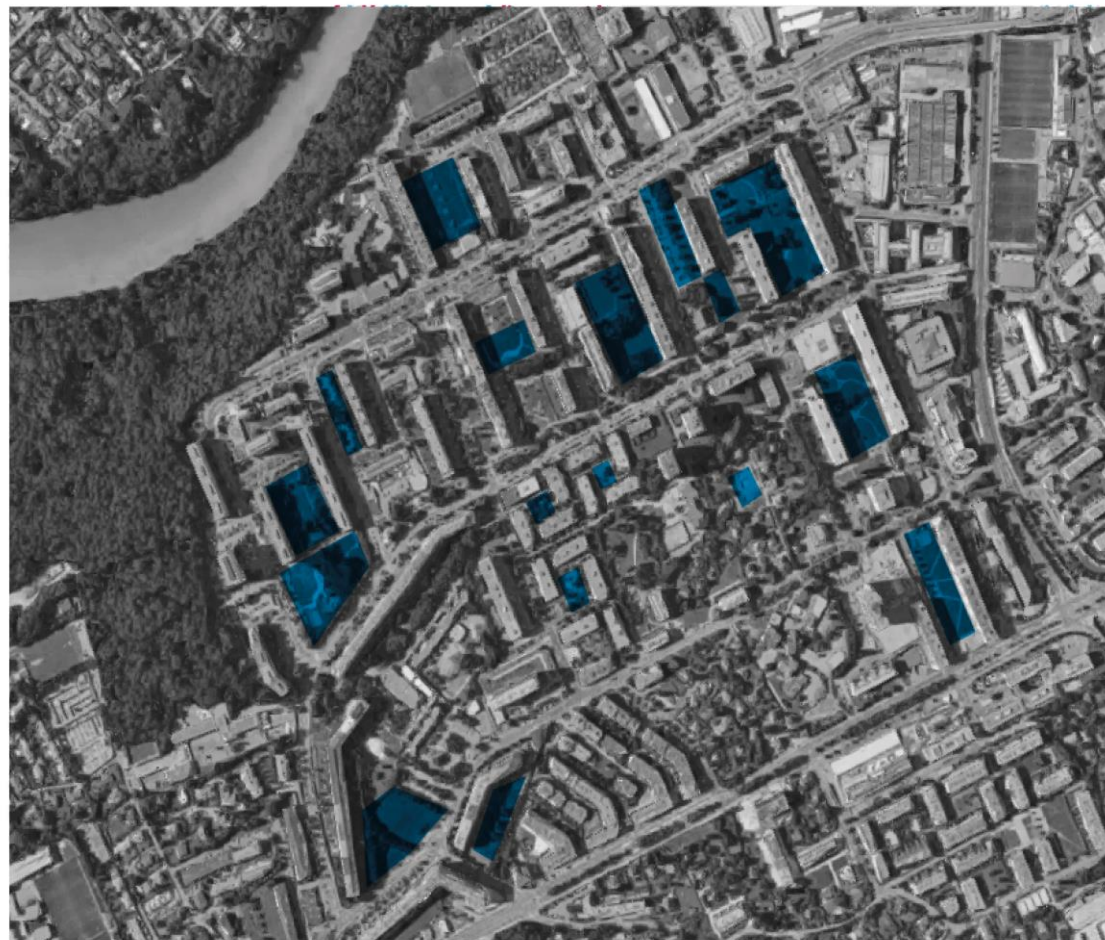


Geneva. A diverse city?

Urgency to diversity

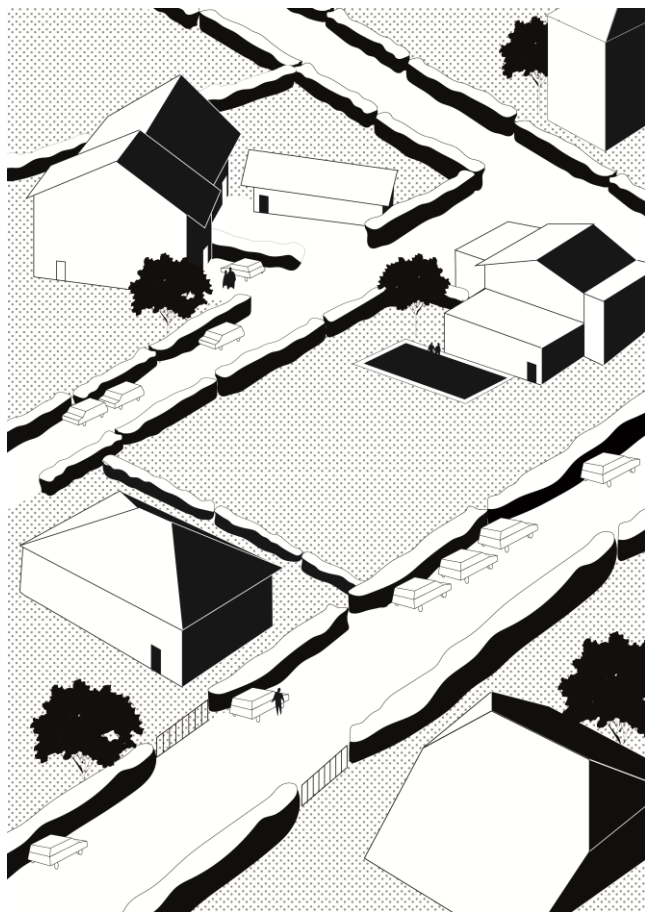
Interventions

Areas for intervention Lancy



Areas for intervention
Lancy

● Misused open spaces



Introduction

Geneva. A diverse city?

Urgency to diversity

Interventions

Areas for intervention Chêne - Bougeries



Areas for intervention Chêne - Bougeries

- Potential plots for collective housing buildings
- Transformable single-family houses into collective