

ÀREA METROPOLITANA DE BARCELONA
BARCELONA METROPOLITAN MASTER PLAN



Àrea de Desenvolupament de Polítiques Urbanístiques
SERVEI DE REDACCIÓ DEL PDU



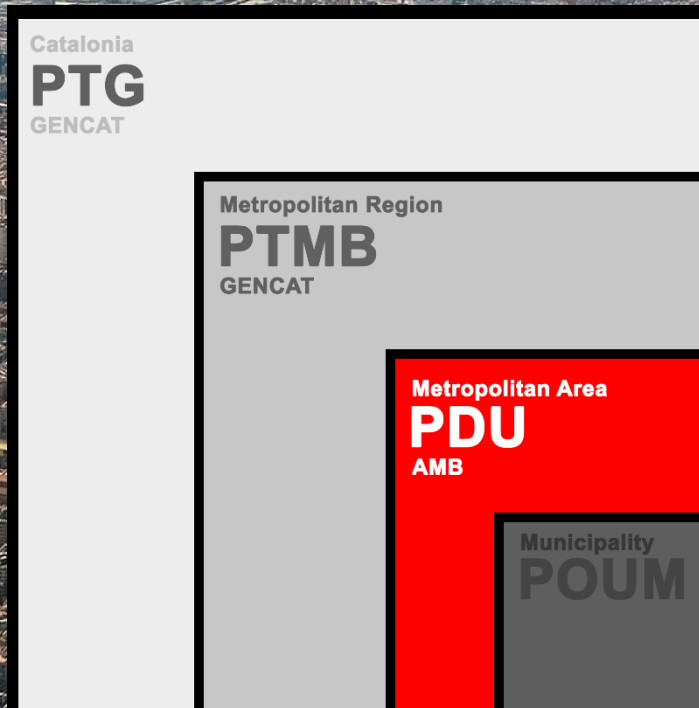
New Barcelona's Metropolitan Master Plan (PDU)

Urban planning strategy at AMB for the next 25 years

New vision (urban model) for the metropolitan area

Diversity into a common project

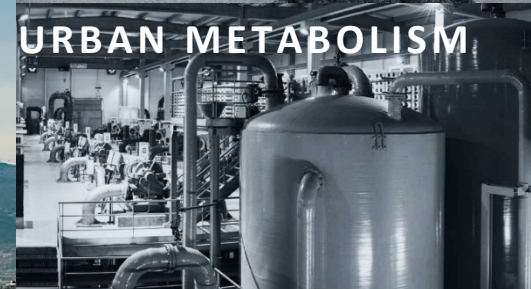
New methodologies and tools



**GREEN
INFRASTRUCTURE**



URBAN METABOLISM



**ECONOMIC
DEVELOPMENT**



SOCIAL COHESION

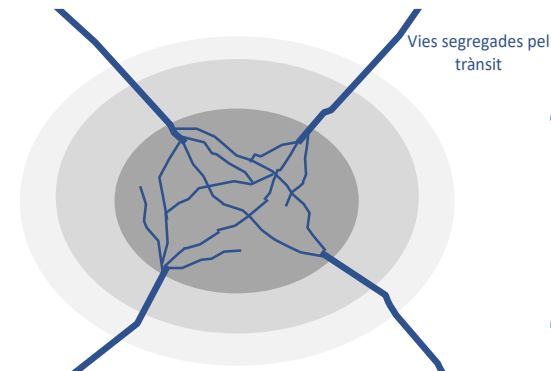
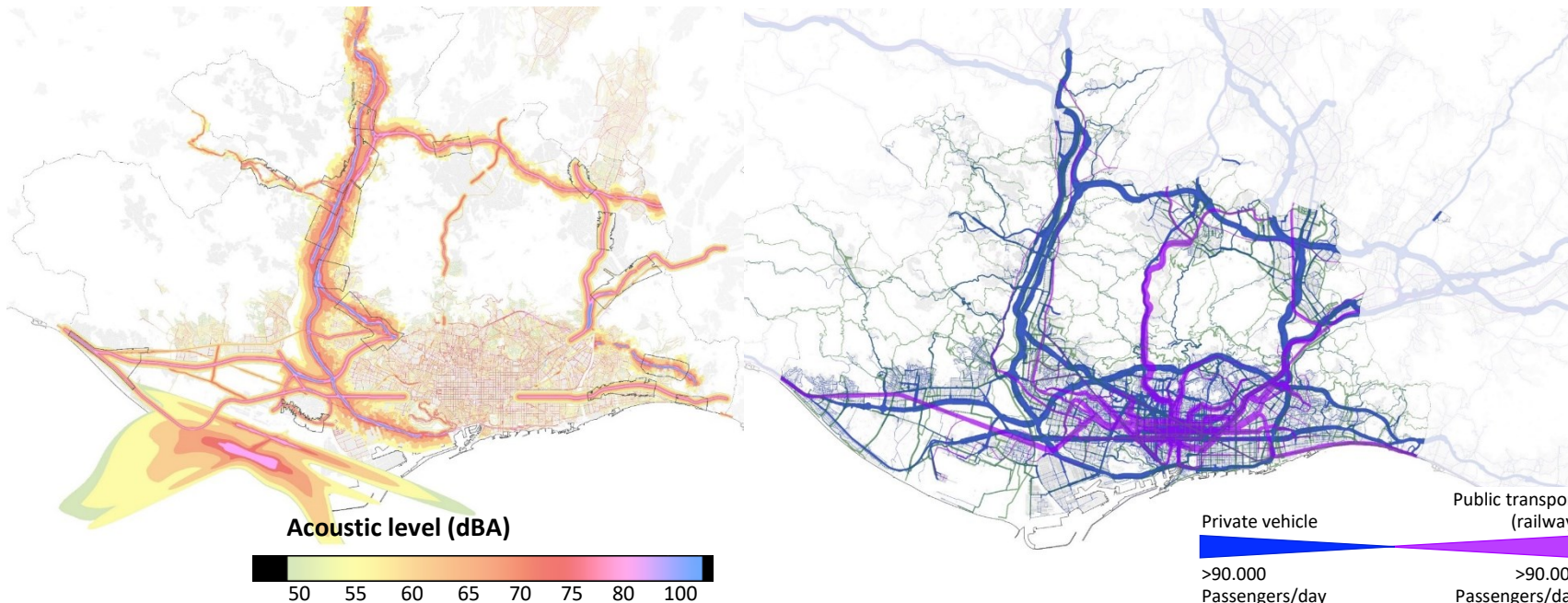


MOBILITY



THE PRESENT

Metropolitan mobility flows and impacts



21 % [~ 650.000 pers.]
Population with acoustic levels over 70 dBA

58 %
Population with night acoustic levels over 55 dBA

51 %
Movements in the metropolitan area in active mobility (walking – cycling)

24 %
Movements in public transport

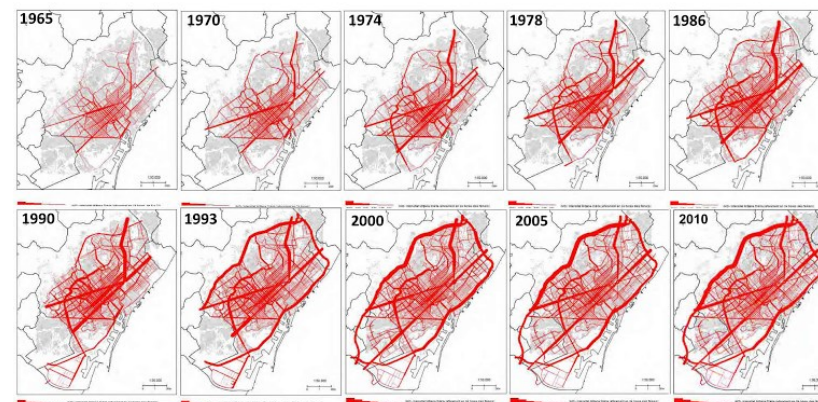
25 %
Movements in private transport



Barcelona
51 % active mobility
29 % public transport
20 % private transport

First ring
51 % active mobility
20 % public transport
29 % private transport

Second ring
45 % active mobility
10 % public transport
45 % private transport

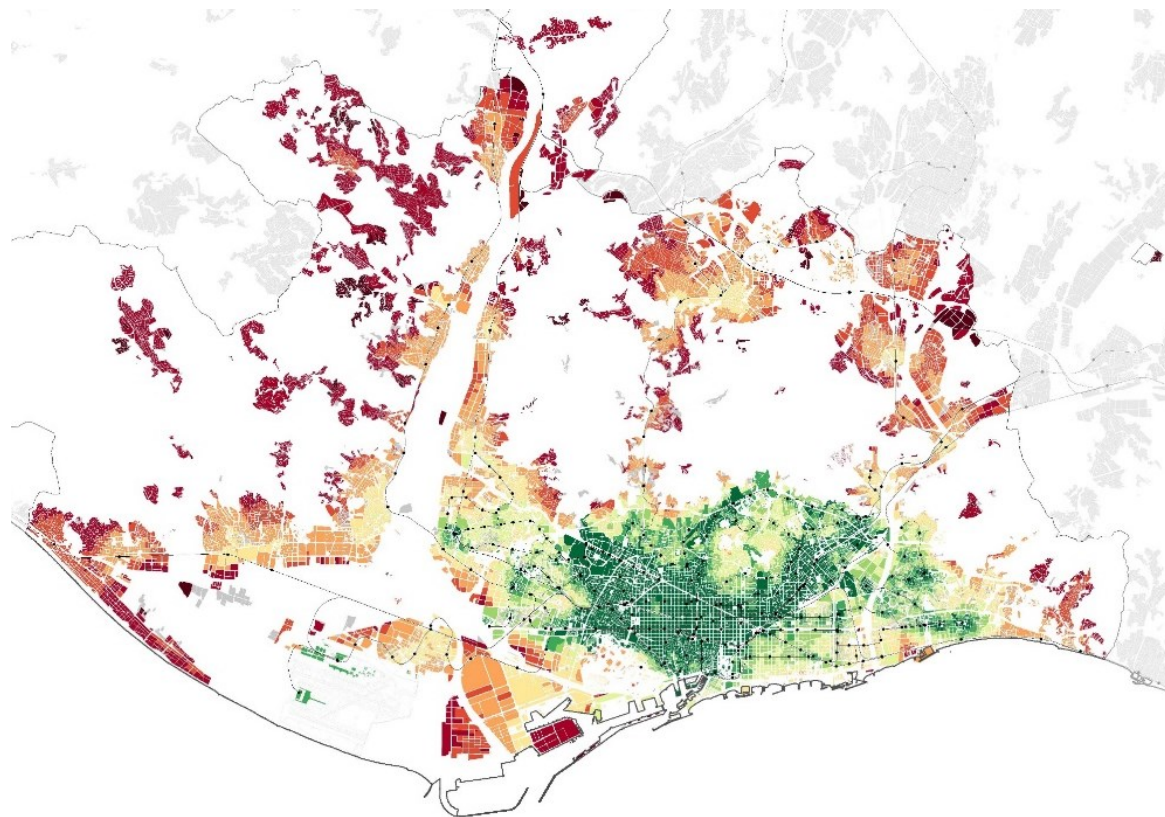


Evolució de volums de trànsit (aranyal) viari de Barcelona. Font: Direcció de Serveis de Mobilitat, Ajuntament de Barcelona

Infrastructure and mobility: more supply, more demand

THE PRESENT

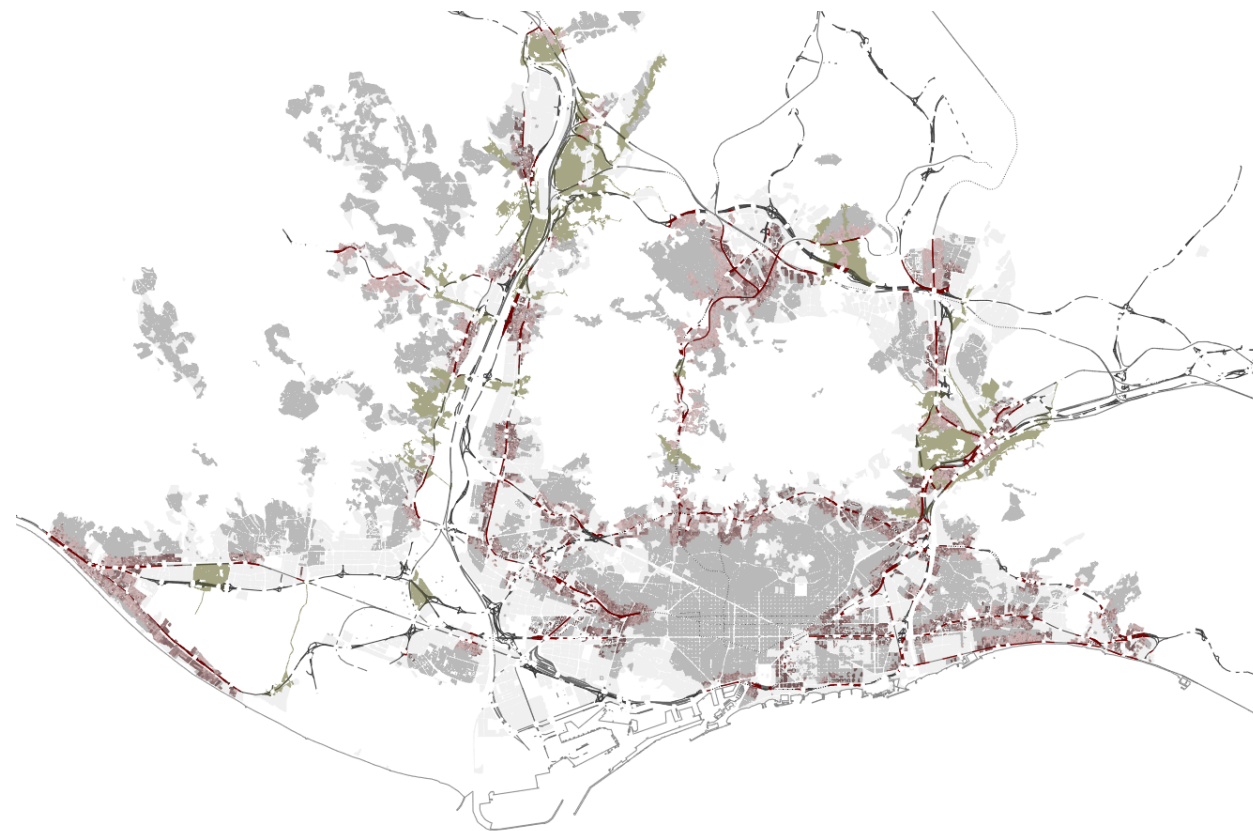
accessibility and infrastructural barriers



Accesibility

+30% [+1.000.000 pers.]
Population with an insufficient public transport accessibility level

+30% [5.200 ha]
Land with a good public transport accessibility level but a low population density

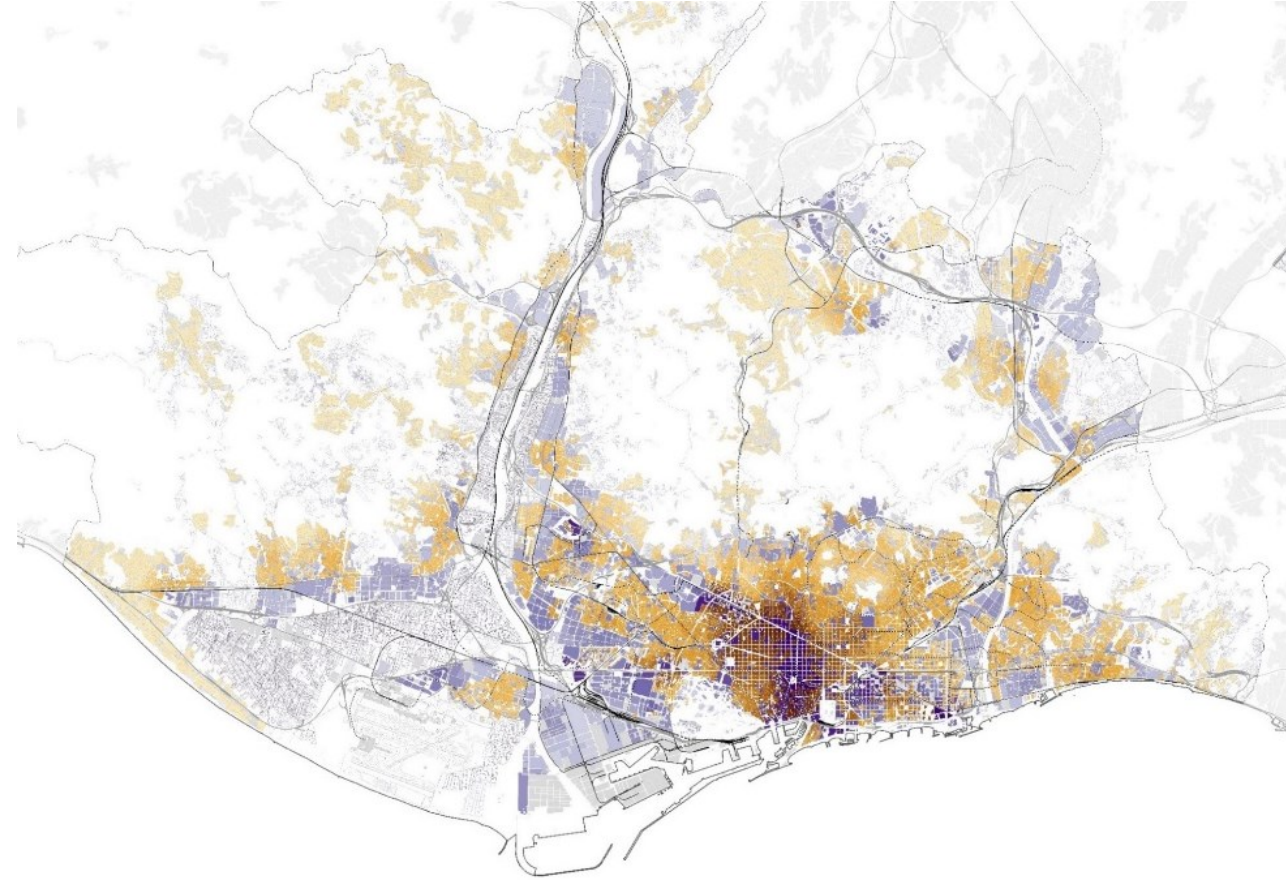
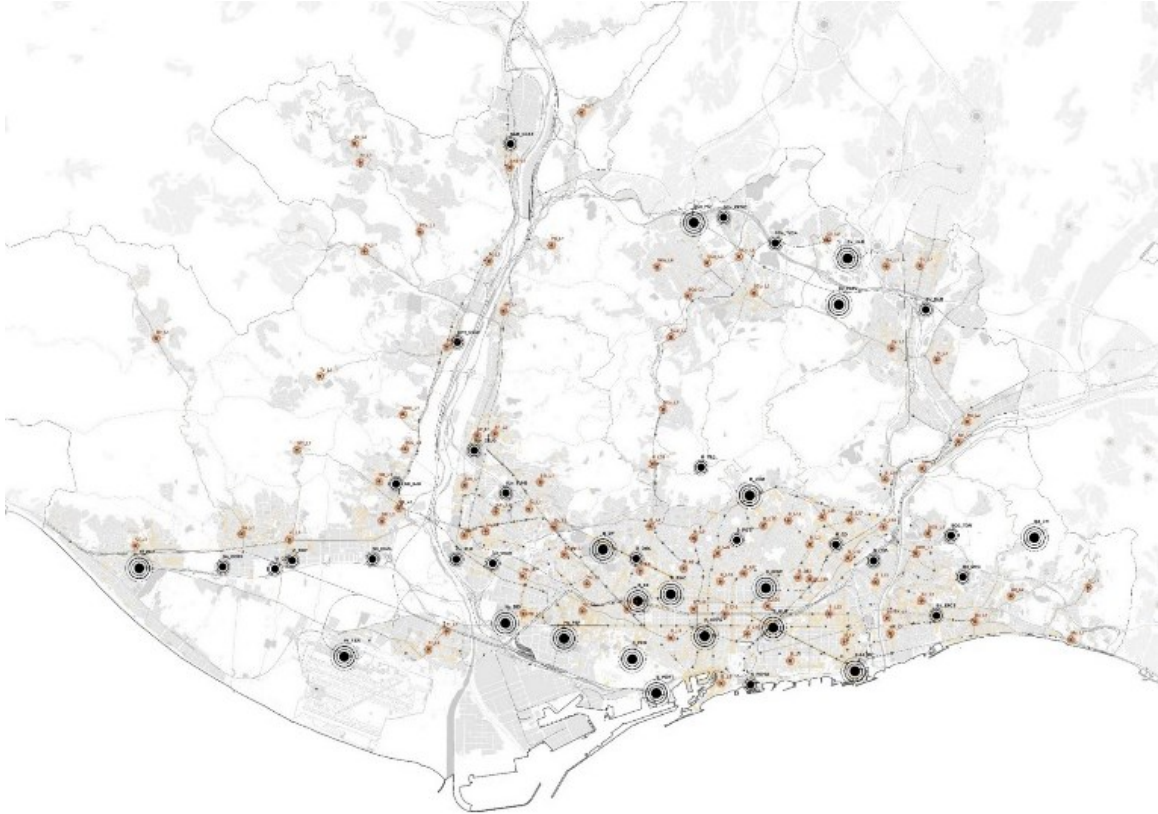


Metropolitan fractures

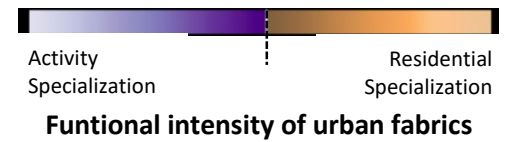


THE PRESENT

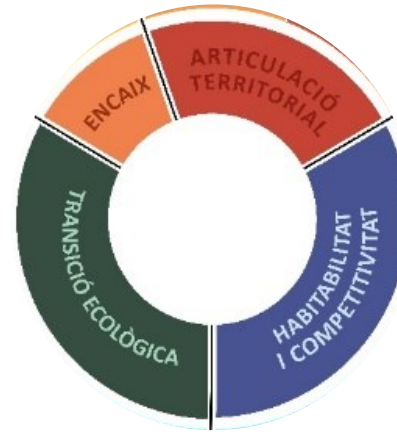
Metropolitan centers and functional intensity



95%
Population close to a local
centrality



BARCELONA METROPOLITAN MASTER PLAN
MAJOR CHALLENGES



1

biophysical matrix and
its ecosystem services

2

polycentric urban system articulated
by a metropolitan network

3

balance, cohesion, liveability and
competitiveness of urban settlements

4

major infrastructures for a more
efficient urban metabolism

BASIC LINES

Multiple scales

1

biophysical matrix
and its
ecosystem services



Vision:
green infrastructure

2

polycentric urban system
articulated by a
metropolitan network



Elements:
metropolitan avenues, streets
and corridors

3

balance, cohesion, liveability and
competitiveness of urban
settlements



Process:
metropolitan functions and
strategies

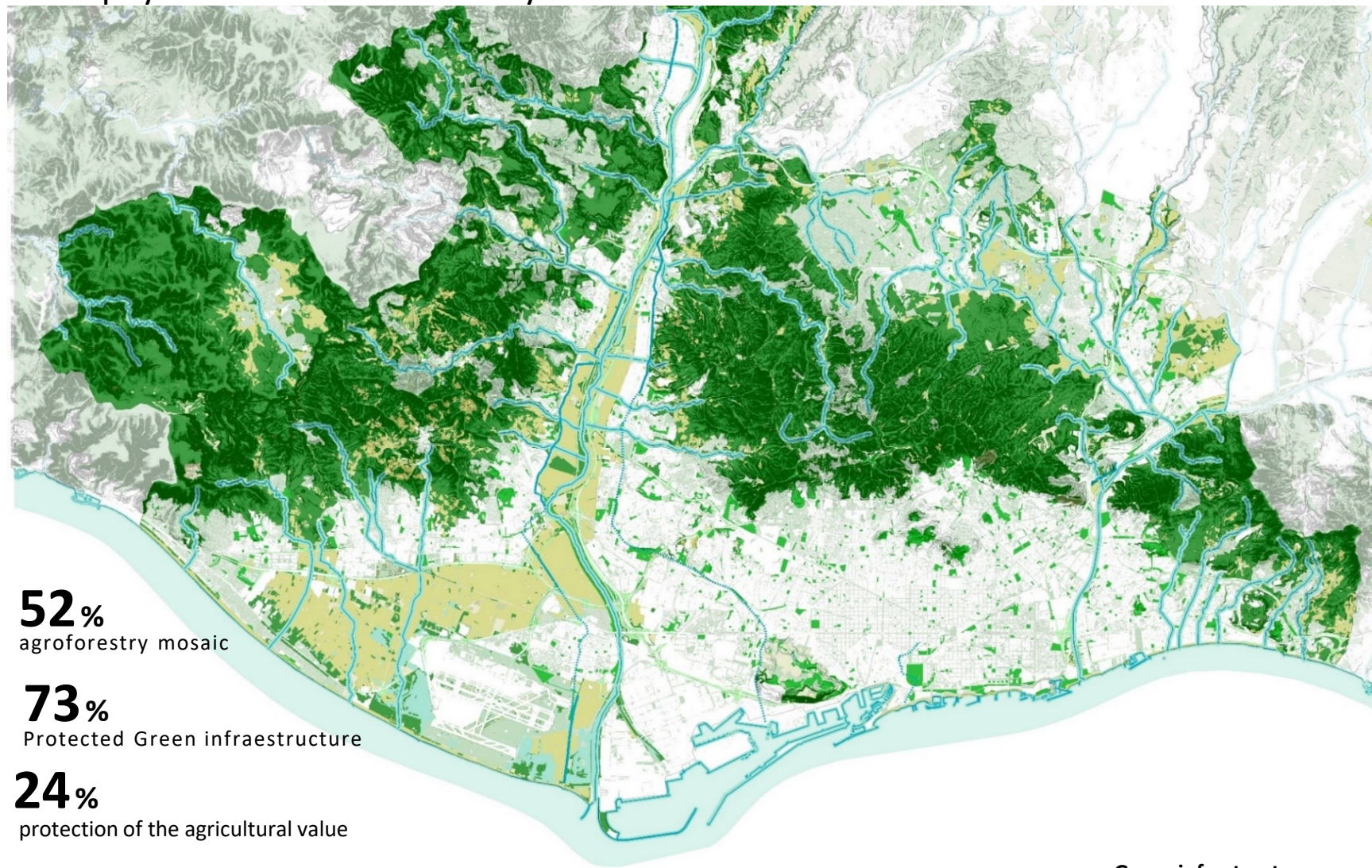
4

Enhance urban metabolism and
minimise environmental impacts



OPEN SPACE SYSTEM

biophysical matrix and its ecosystem services



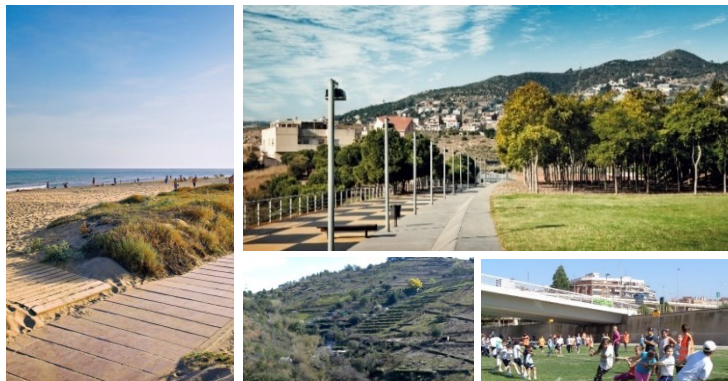
52%
agroforestry mosaic

73%
Protected Green infrastructure

24%
protection of the agricultural value

Naturalize the **metropolitan city**

Green infrastructure

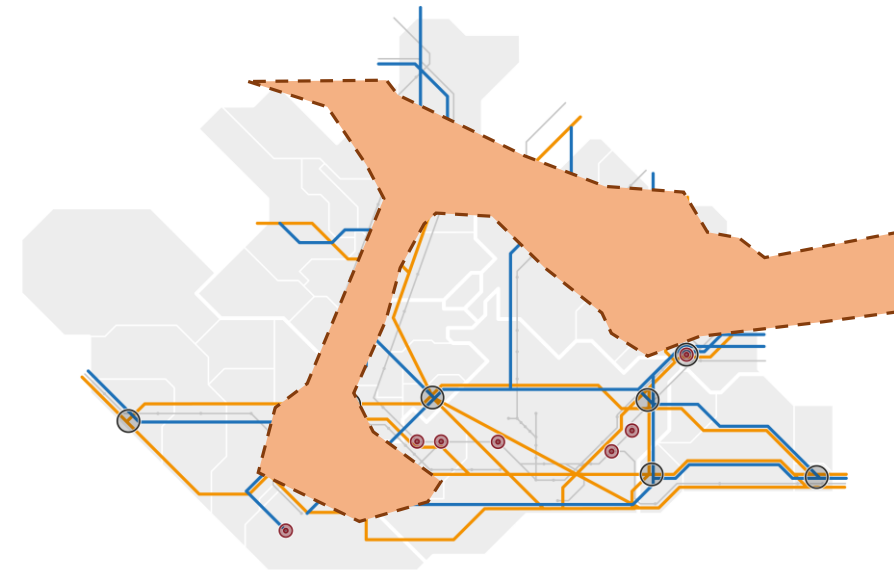
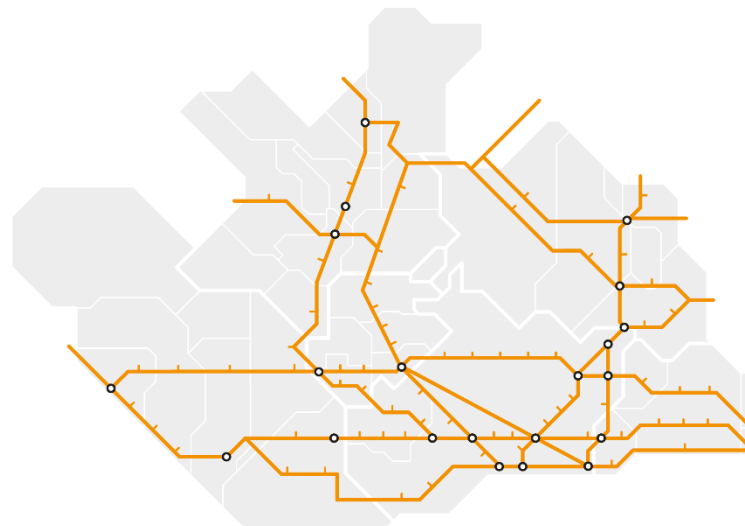
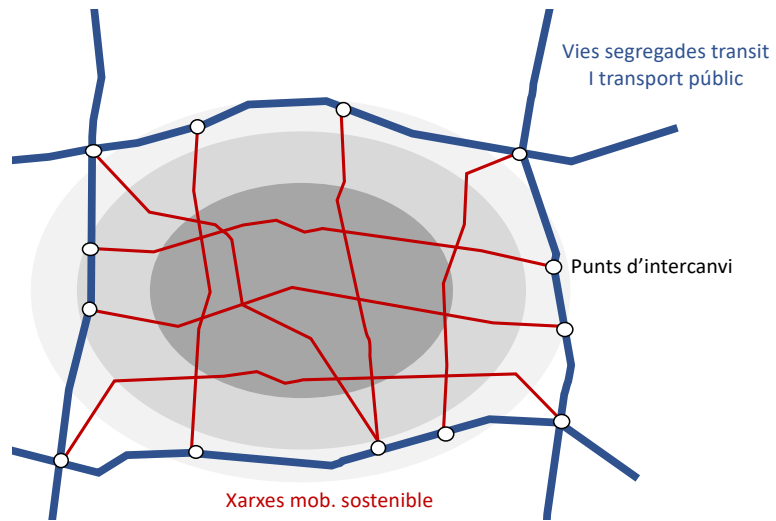
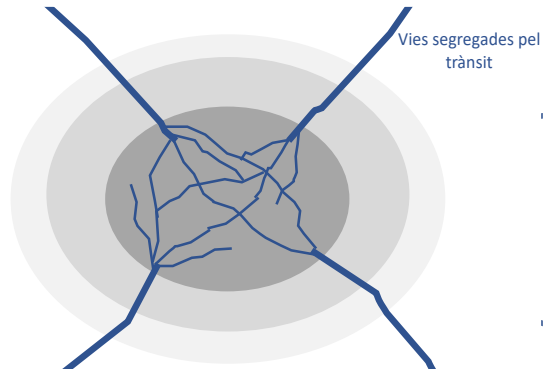


BARCELONA METROPOLITAN MASTER PLAN
new Metropolitan Urban and Social Structure



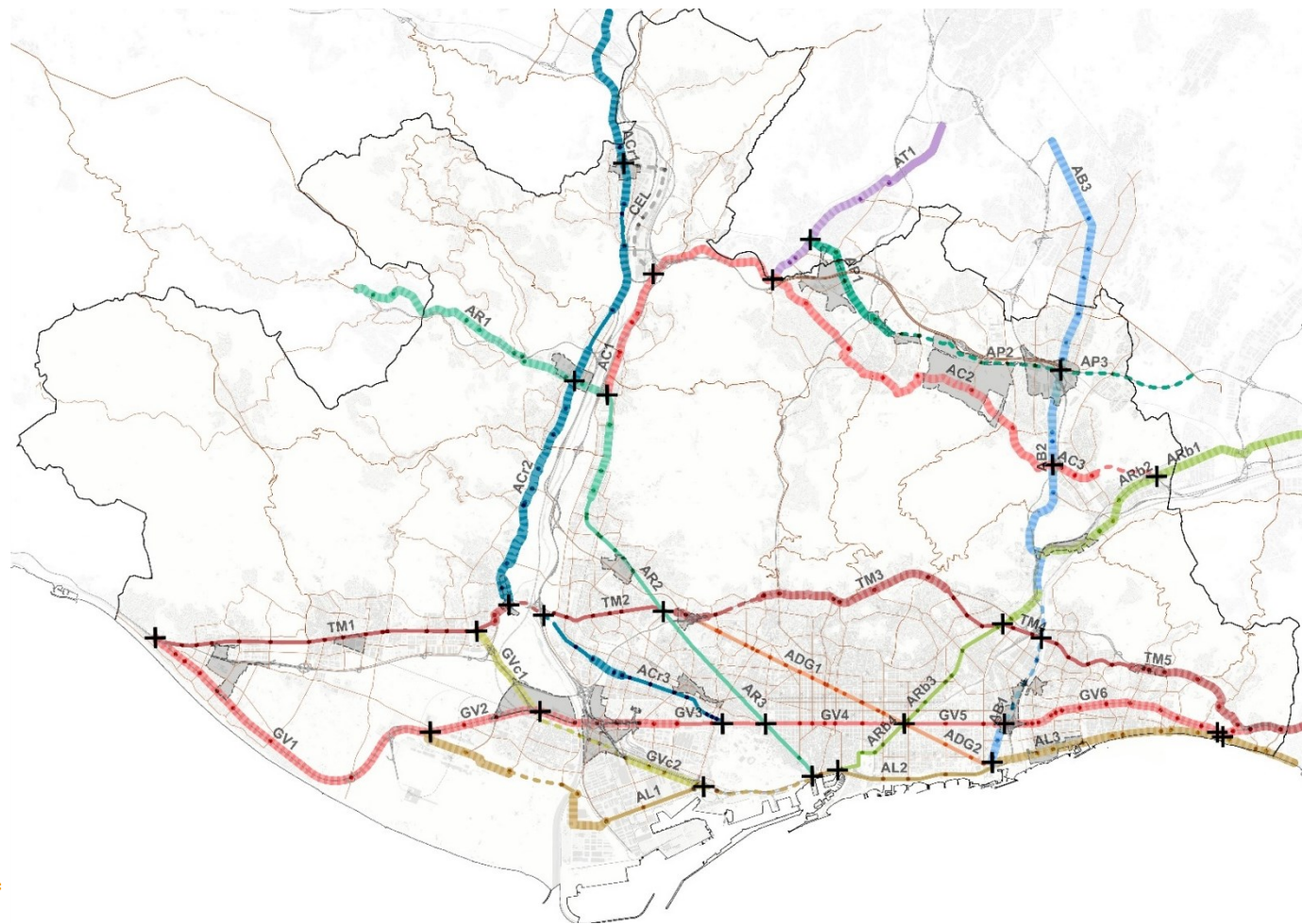
Support **social cohesion** with housing, public spaces, facilities and public transport

2 | From Transit Oriented Development to a Public Transport accessibility approach



METROPOLITAN AVENUES common traces

How to transform OLD ROADS & HIGHWAYS into streets to be the main public transport, active mobility and city life paths/ways



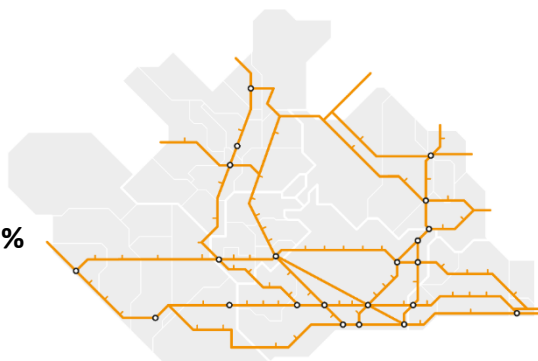
Urban structure for sustainable mobility linking centers and municipalities

10 big traces

250 km

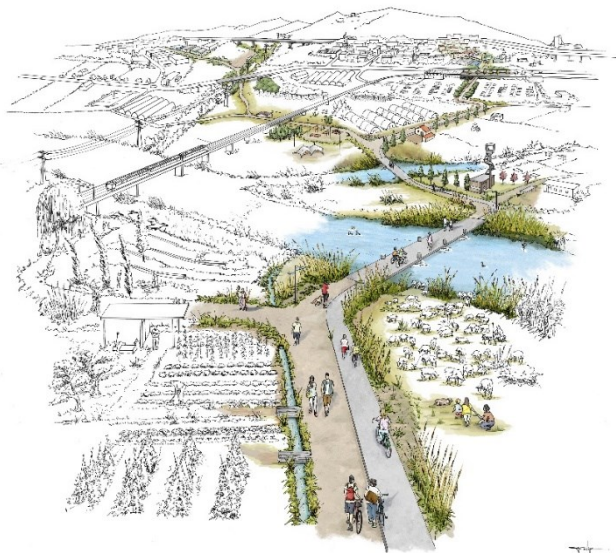
Tramification :

- New construction **13 %**
- Transformation **54 %**
- Remodelation **33 %**



GREEN CORRIDORS, GREEN AXES AND PARCS care and facility traces

The master plan envisions targets and strategies for urban land. The ultimate objective is achieving the livability standards

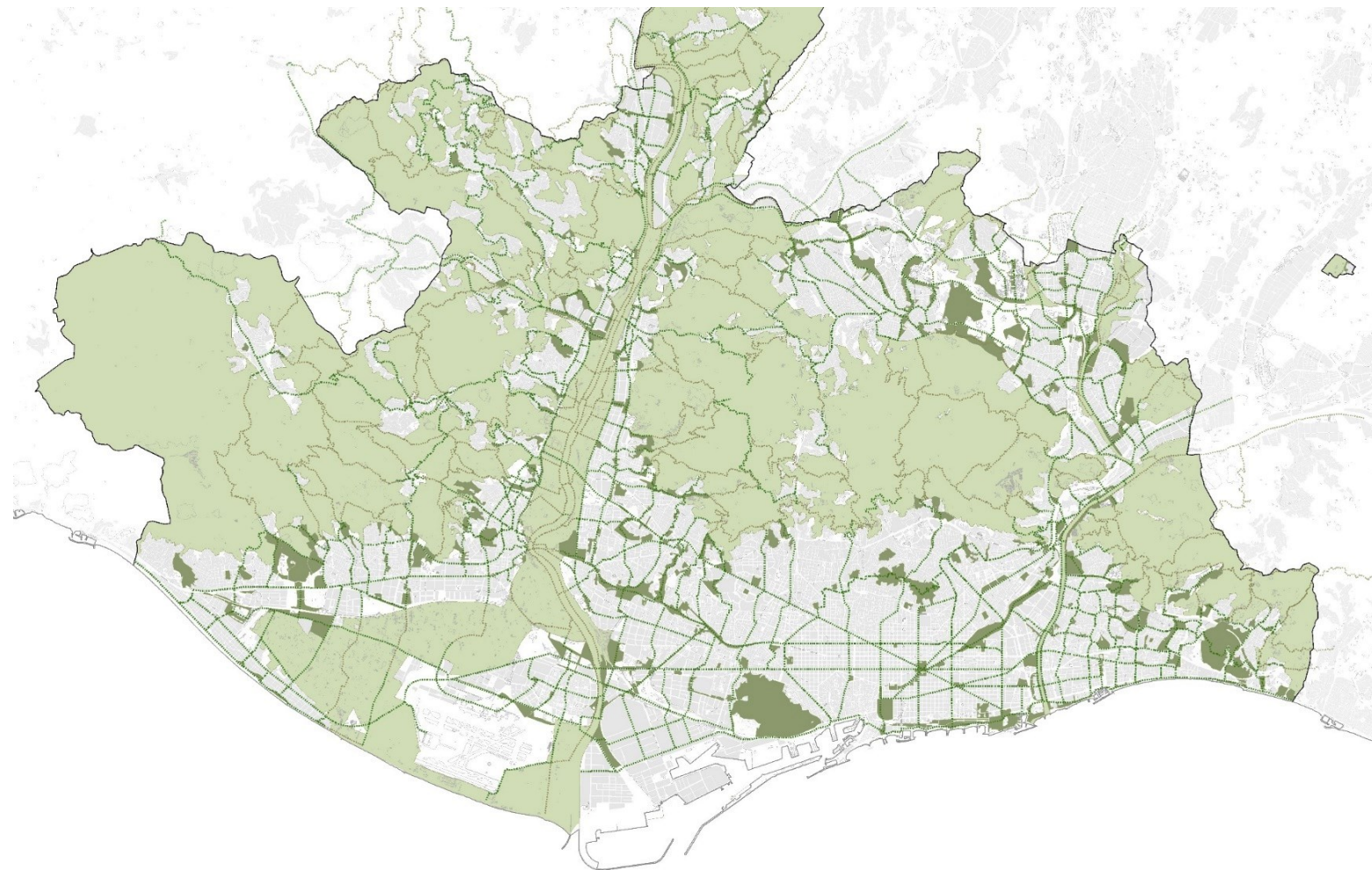


2.500 ha ●

Structural parks

778 km —

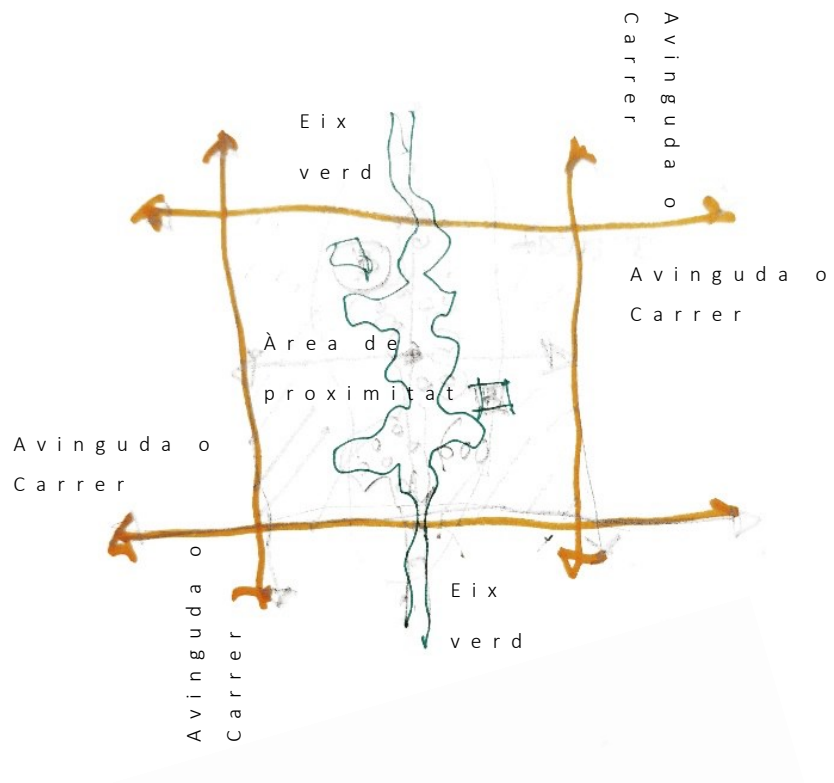
Green axes, 34% executed



offer alternative network for **active mobility** and **nature continuity**

STREETS AND CONECTORS

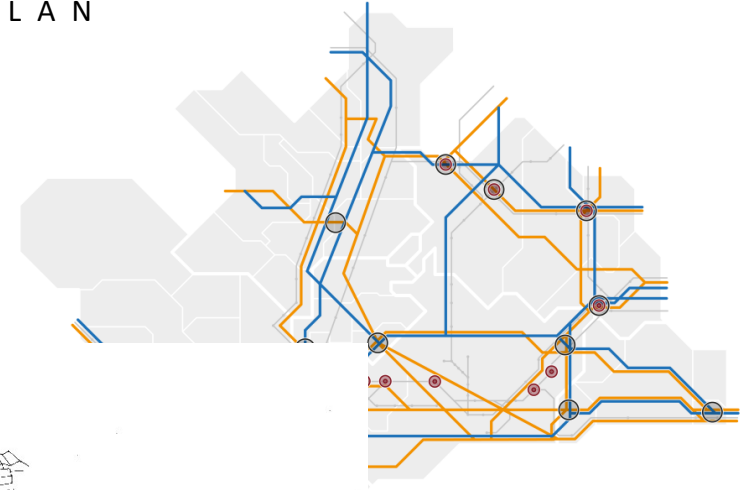
proximity traces



proximity coverage of the new system linking centers and neighborhoods

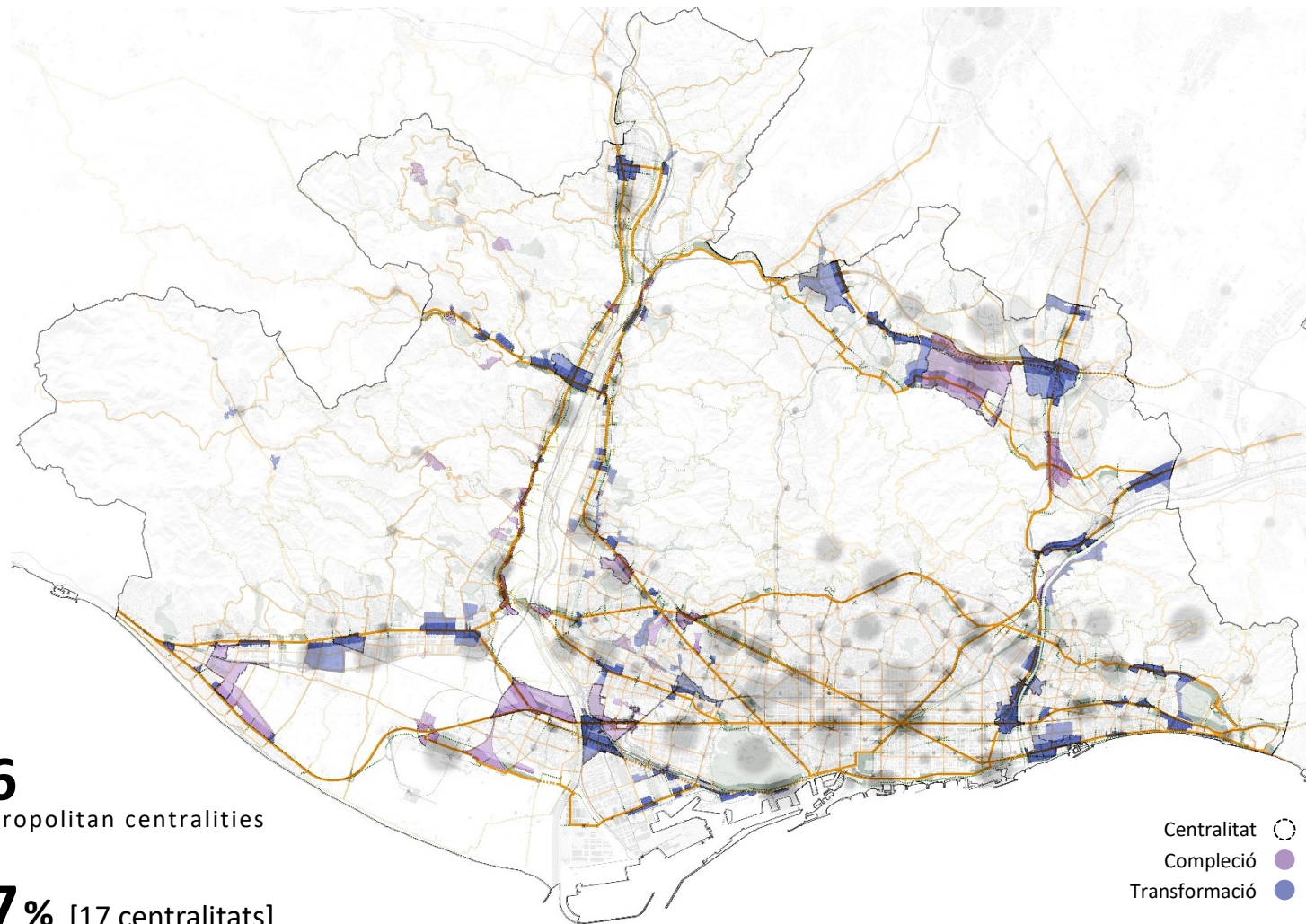
BARCELONA METROPOLITAN MASTER PLAN

Re thinking segregated road network



Enable a **sustainable mobility** and Urban Integration

FOCUS ON POLYCENTRIC DEVELOPMENT

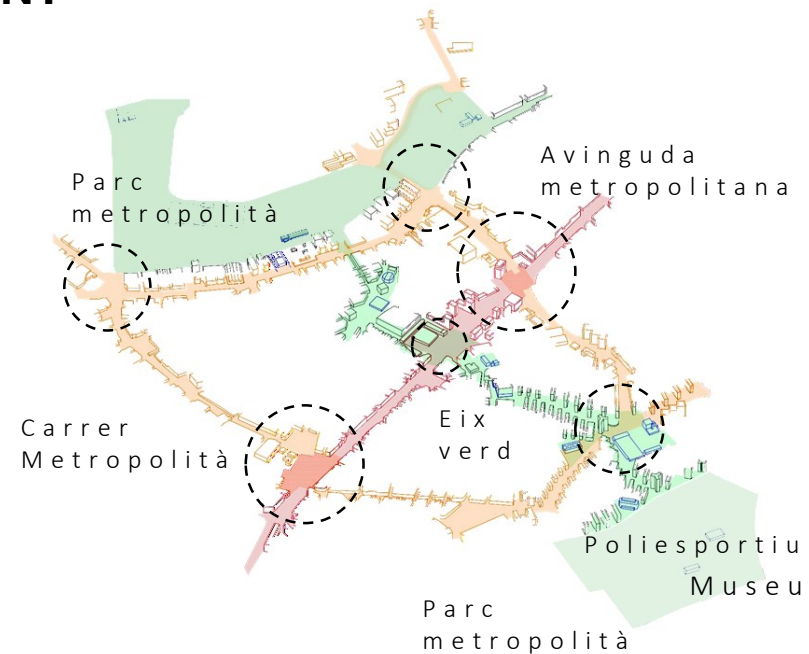


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Metropolitan centralities

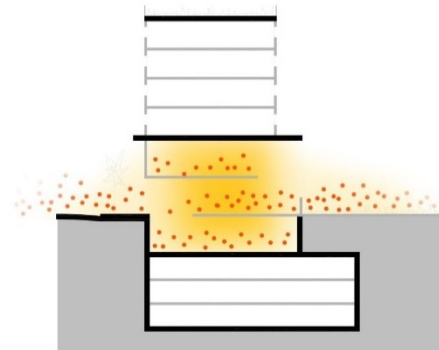
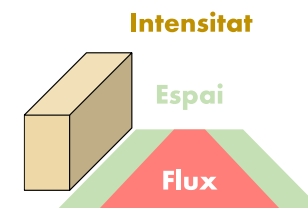
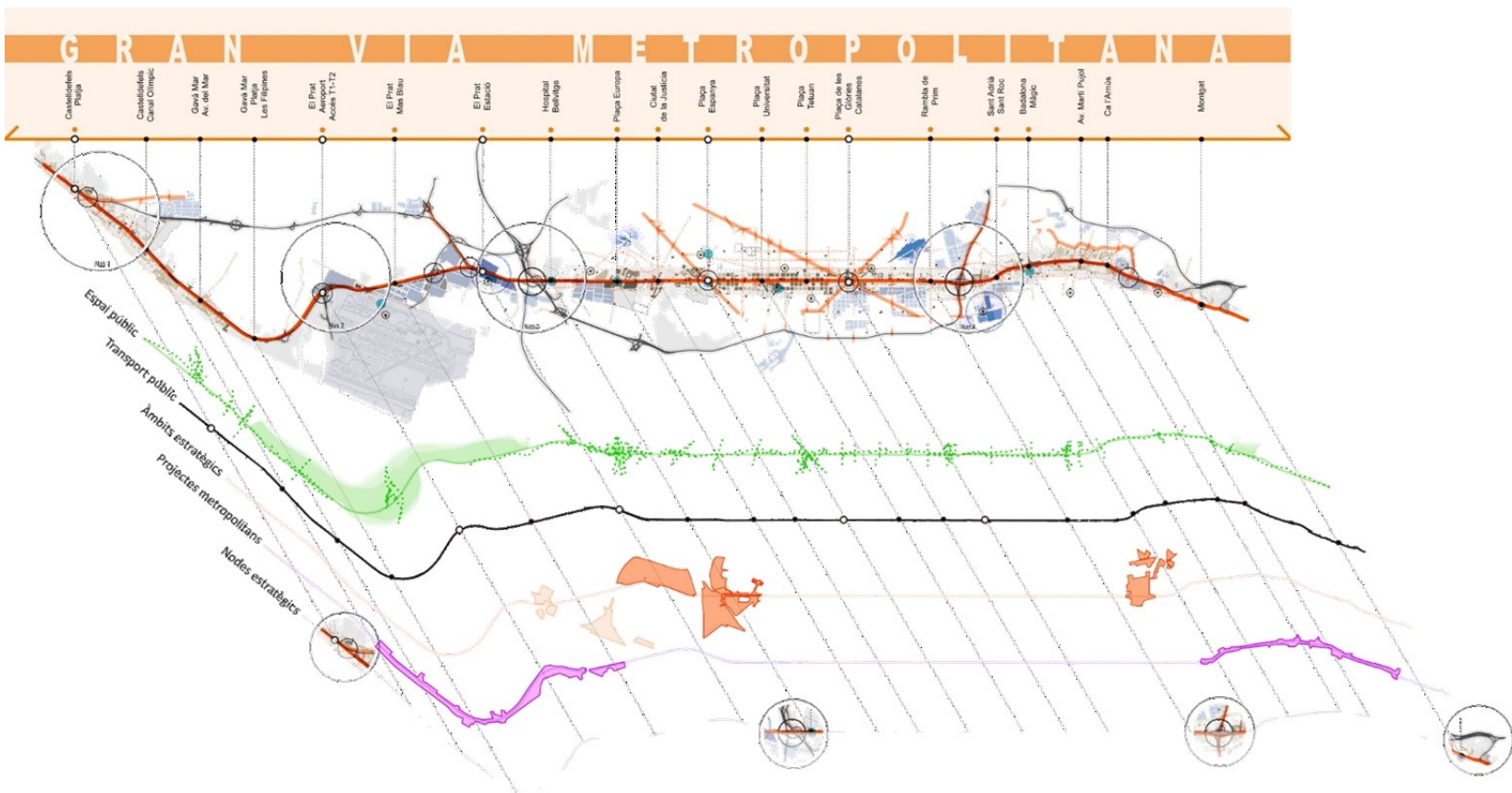
47% [17 centralitats]

Centralities with high accessibility value in public transport



Metropolitan centralities and new developments

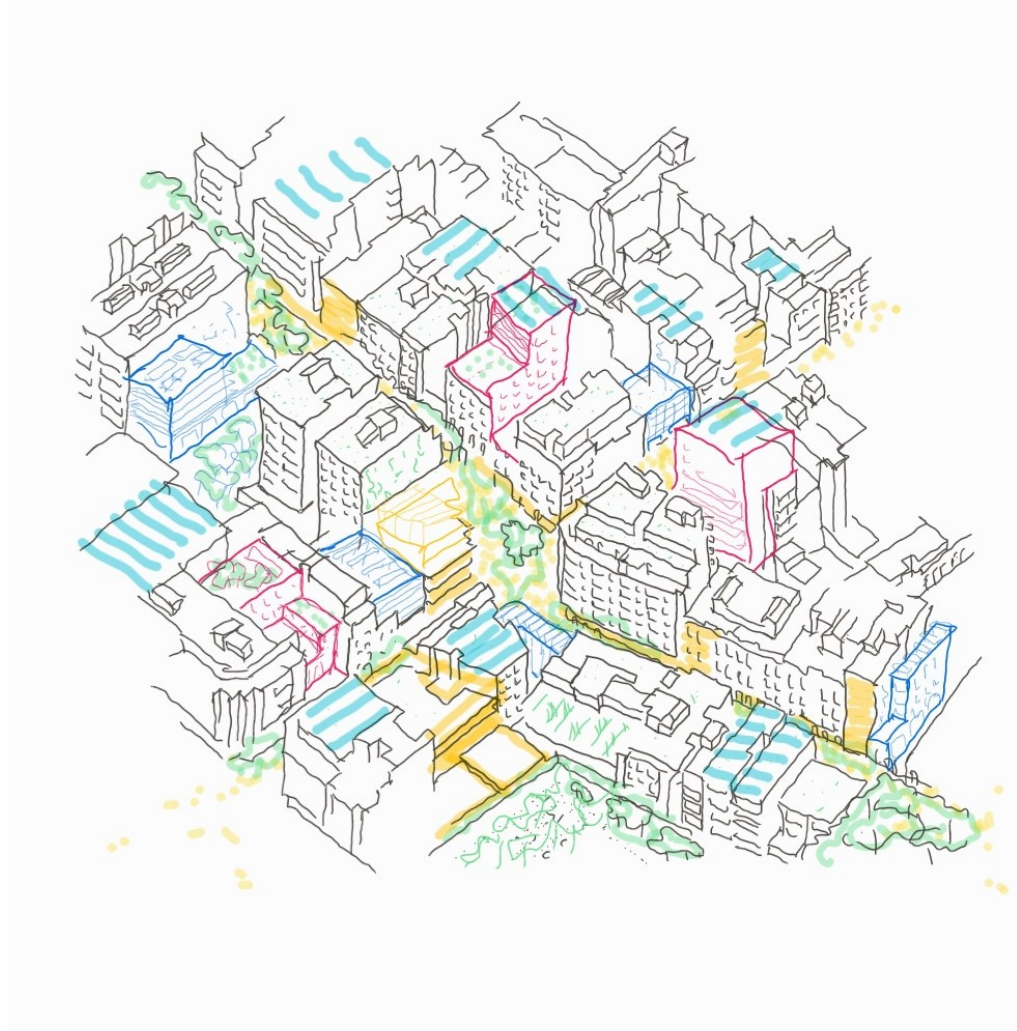
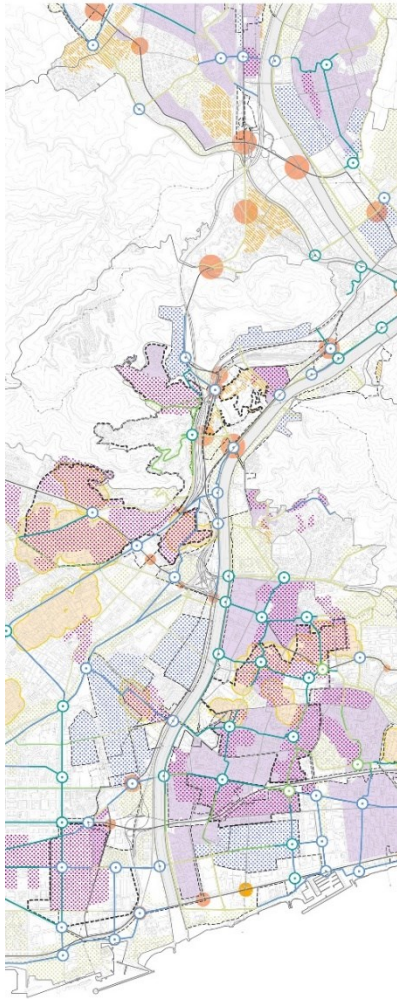
Metropolitan avenues as a sequence of strategic actions



Road space and ground floor space integration

BARCELONA METROPOLITAN MASTER PLAN
METROPOLITAN FUNCTIONS: A PROCES, NOT A PROJECT

The master plan envisions targets and strategies for urban land. The ultimate objective is achieving the livability standards



Increase complexity and livability



THANKS FOR YOUR ATTENTION!

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