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
Barcelona metropolitan mobility flows and impacts

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

24% ● Movements in public transport

25% ● Movements in private transport

21% [≈ 650,000 pers.] Population with acoustic levels over 70 dBA

58% Population with night acoustic levels over 55 dBA
+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
THE PRESENT
Metropolitan centers and functional intensity

95%
Population close to a local centrality
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
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. Enhance urban metabolism and minimise environmental impacts

Vision: green infrastructure

Elements: metropolitan avenues, streets and corridors

Process: metropolitan functions and strategies
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
Support **social cohesion** with housing, public spaces, facilities and public transport
2 | Fron Transit Oriented Development to a Public Transport accessibility aproach
How to transform OLD ROADS & HIGHWAYS into streets to be the main public transport, active mobility and city life paths/ways

10 big traces
250 km

Tramification:
- New construction 13%
- Transformation 54%
- Remodelation 33%

Urban structure for sustainable mobility linking centers and municipalities
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 CONNECTORS
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

Source: DSU AMB
FOCUS ON POLYCENTRIC DEVELOPMENT

36 Metropolitan centralities

47% [17 centralitats] Centralities with high accessibility value in public transport
Metropolitan avenues as a sequence of strategic actions
Barcelona Metropolitan Master Plan

Metropolitan Functions: A Process, Not A Project

The master plan envisions targets and strategies for urban land. The ultimate objective is achieving the livability standards.
THANKS FOR YOUR ATTENTION!

Isabel Tomé
tome@amb.cat

URBANISME.AMB.CAT
@PDUMETROPOLITA

#AMB
#PDUmunicipality