Planning for multimodality in Barcelona Metropolitan Area (AMB)

Capacity building workshop on sustainable urban mobility
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1. The Barcelona Metropolitan Area

- 7,570,908 inhabitants
- 32,108 km²
- 236 inhabitants/km²

- 3,239,337 inhabitants
- 636 km²
- 5,093 inhabitants/km²

2% of the area of Catalonia
42.8% of the population
36 municipalities
1. The Barcelona Metropolitan Area

5,093 inhabitants/km$^2$
2. AMB competences in mobility and transportation

- Planning and management of collective urban public transport of passengers on the surface
- Provision of metro and underground public transport of passengers
- Regulation of the taxi service
- Approval of the Urban Mobility Metropolitan Plan
- Planning and management of passenger transportation with tourist and cultural purposes
- Promotion of sustainable transport
- Management of the basic metropolitan road network
2. AMB competences in mobility and transportation

| Planning and management of collective urban public transport of passengers on the surface |
| Provision of metro and underground public transport of passengers |
| Regulation of the taxi service |
| Approval of the Urban Mobility Metropolitan Plan |
| Planning and management of passenger transportation with tourist and cultural purposes |
| Promotion of sustainable transport |
| Management of the basic metropolitan road network |
# 3. Planning in Metropolitan Area of Barcelona

<table>
<thead>
<tr>
<th>Plan</th>
<th>Year</th>
<th>Number of Cars (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pla Comarcal</td>
<td>1953</td>
<td>0.8</td>
</tr>
<tr>
<td>Pla Director</td>
<td>1964-68</td>
<td></td>
</tr>
<tr>
<td>Pla 2000</td>
<td>1970</td>
<td></td>
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<tr>
<td>Pla General Metropolità</td>
<td>1976</td>
<td>4.8</td>
</tr>
<tr>
<td>Pla de vies</td>
<td>1984</td>
<td>9.2</td>
</tr>
<tr>
<td>Pacte per la mobilitat</td>
<td>1998</td>
<td>20.2</td>
</tr>
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<td>Pla de mobilitat Urbana</td>
<td>2006-2012</td>
<td>22.2</td>
</tr>
<tr>
<td>Pla de mobilitat Urbana (S)</td>
<td>2013-2018</td>
<td></td>
</tr>
<tr>
<td>Pla metropolità de mobilitat Urbana (PMMU)</td>
<td>2019-2024</td>
<td></td>
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</table>
4. Mobility model

**HEALTH**
Minimize the effects of the transport system in people’s health

**SUSTAINABILITY**
Reduce the environmental impacts and contribution to climate change of the transport system

**EFFICIENCY AND TIC**
Enhance the transport system efficiency, assuring the social and economic progress

**EQUITY, PEOPLE AND GOVERNANCE**
Promoting a fair mobility system, that guarantees public transport access and social cohesion
5. Stages

**STAGE 1**
- ANALYSIS AND DIAGNOSIS
- STRATEGIC INITIAL DOCUMENT (DIE)

**STAGE 2**
- SCENARIOS AND PROPOSAL
- STRATEGIC ENVIRONMENTAL STUDY (EAE)

Initial approval

**STAGE 3**
- PMMU
- SUMMARY DOCUMENT

Final approval

**STAGE 4**
- EVALUATION AND MONITORING

PARTICIPATION AND COMMUNICATION

PROGRAMME
6. Urban Mobility Metropolitan Plan (PMMU)

- **A. Urban model and metropolitan mobility networks**
- **B. Safety, healthy and equitable streets**
- **C. Integrative, efficient and high-quality public transport**
- **D. Changing habits encouragement**
- **E. Mobility’s intelligent management**
- **F. Flexible and efficient metropolitan mobility governance**

29 ACTIONS  102 MEASURES
How are we planning multimodality

<p>| | |</p>
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<td>Interchange points’ metropolitan system</td>
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<tr>
<td>3</td>
<td>Public transport system supply</td>
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<tr>
<td>4</td>
<td>Digitalisation and new technologies</td>
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<tr>
<td>5</td>
<td>Governance homogeneity and sustainability</td>
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</tbody>
</table>
Transport infrastructures (1/2)

Metropolitan Basic Road Network (MBRN). Definition, management and connectivity

Development of the bicycle metropolitan network (Bicivia)

Bus priority network
Transport infrastructures (2/2)

Extension of the public metropolitan bicycle (e-bicibox) and parking (Bicibox)

Enlargement and improvement of the rail infrastructure system (train and metro)

Improve pedestrian permeability and connectivity
Interchange points’ metropolitan system

Develop and improve bus and rail interchange points

Metropolitan Interchange Parking System (P+R)

Huge capacity bicycle’s park Plan in railway stations
Public transport system supply

Improvement plan of metropolitan bus and metro network

Surrounding and accessibility improvement in bus stops and railway stations

Bicycle in the public transport

Improve fare system structure and simplify transport titles
Digitalisation and new technologies

Promotion of new platforms focused on ride sharing

Keep developing and improving AMB Mobility App
Governance homogeneity and sustainability

Metropolitan integration of municipal policies

Promotion and education in sustainability

Low emission vehicles and restriction areas
Thank you for your attention

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