Integrating regional connectivity and urban logistics: The case of Barcelona Metropolitan Area (AMB)

International Conference on Urban Green Logistics
Index

1. The Barcelona Metropolitan Area

2. Current situation and main action lines

3. AMB competences in mobility and transportation

4. Urban Mobility Metropolitan Plan (PMMU)
1. The Barcelona Metropolitan Area

- Population: 7,570,908
- Area: 32,108 km²
- Average density: 236 inhabitants/km²

- Metropolitan Area: 2% of the area of Catalonia
- Population: 3,239,337
- Area: 636 km²
- Average density: 5,093 inhabitants/km²

- 36 municipalities
1. The Barcelona Metropolitan Area

5,093 inhabitants/km²
2. Current situation and main action lines

**Modal distribution**
- **78.7%**
- **19.1%**
- **2.1%**
- **0.0%**

**Freight origin and destination**
- **43%** Internal AMB
- **20%** AMB - Catalonia
- **23%** AMB - Rest of Spain
- **14%** AMB - World

- **Freight volume**: 206,2 MTn in Barcelona Metropolitan Region (BMR), 68% of Catalan volume.
- **Around 40% of the industrial states are unoccupied**
- **Around 20% of vehicles circulating in BMR are freight vehicles**, representing 40% of pollutant emissions

**Main action lines identified**
- TRANSPORT AND INFRASTRUCTURE
- LOGISTIC LAND
- VEHICLES
- URBAN DELIVERIES
3. 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
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Urban model and metropolitan mobility networks
- Mobility and urban planning
- Infrastructures, routes and parking

Flexible and efficient metropolitan mobility governance
- Governance and interadministrative accords
- Metropolitan integration of local policies

Integrative, efficient and high-quality public transport

Safety, healthy and equitable streets
- Low emission zones
- Low emission vehicles

Changing habits encouragement
- Awareness and promotion of sustainable in mobility

Mobility’s intelligent management
- Integrated IC systems
- New mobility monitoring systems
- Optimizing management in goods urban deliveries

29 ACTIONS

102 MEASURES
New road and rail infrastructures focused on freight transport

- The goal of these infrastructures is to facilitate the access of trucks and trains to the Barcelona’s Port, the main freight generator and recipient.
- Execution prioritization, linked to sectorial plans.
An example of regional connectivity plan in Europe: Trans-European Transport Network (TEN-T)

- Planned network of roads, railways, airports and water infrastructure in EU.

- 9 main corridors defined. Case of Mediterranean Corridor.
Develop Low Emissions Zones in metropolitan municipalities

Define a road tax metropolitan policy focused on use, congestion and pollution
Develop a metropolitan digital platform for managing goods urban distribution

AreaDUM app is a service provided by Barcelona City Hall and B:SM (a public company owned by the City Hall)

Extend the knowledge in the logistic sector and freight transport
Thank you for your attention

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