

Lianyungang, September 2019

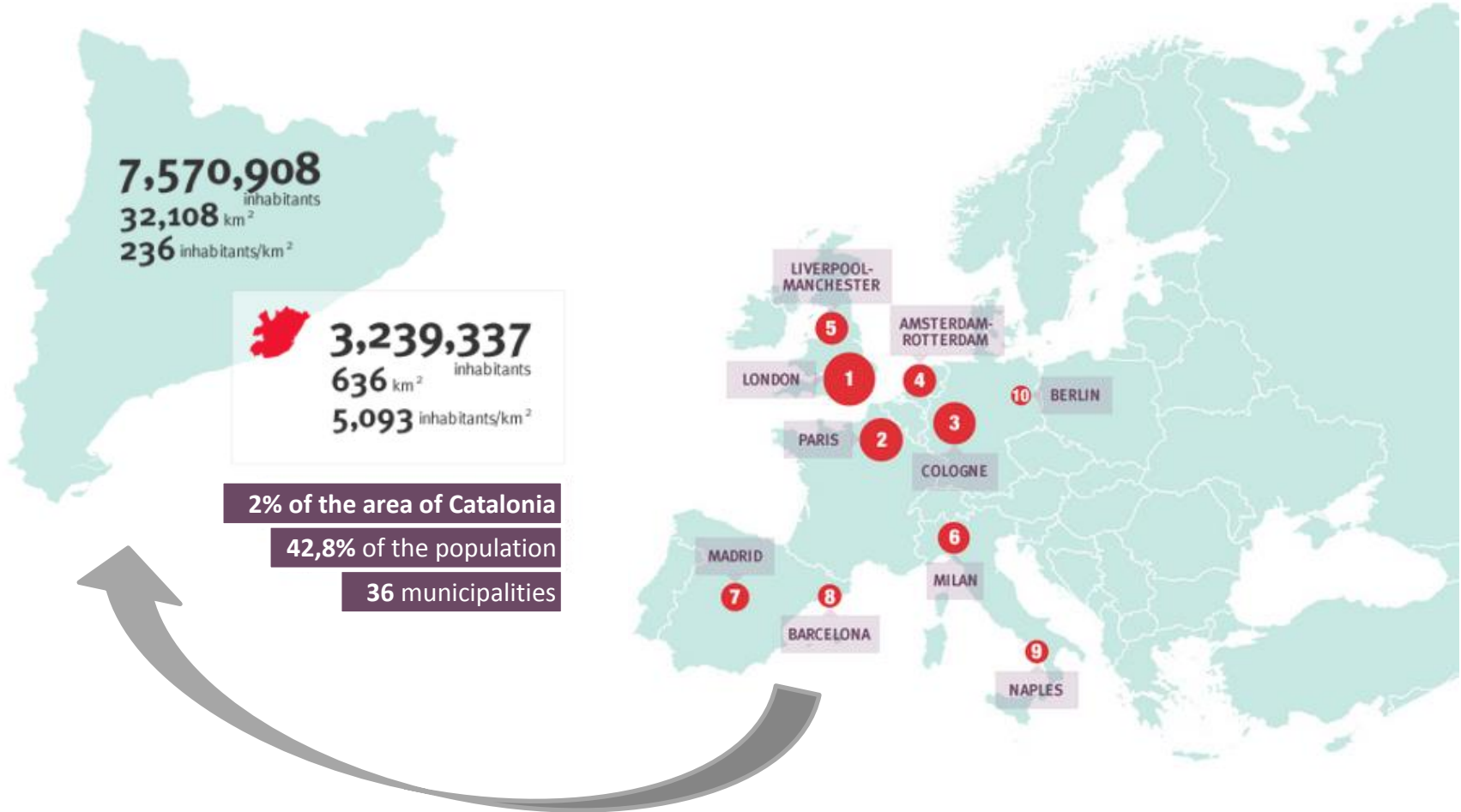
# Planning for multimodality in Barcelona Metropolitan Area (AMB)

Capacity building workshop on sustainable urban  
mobility

## **Index**

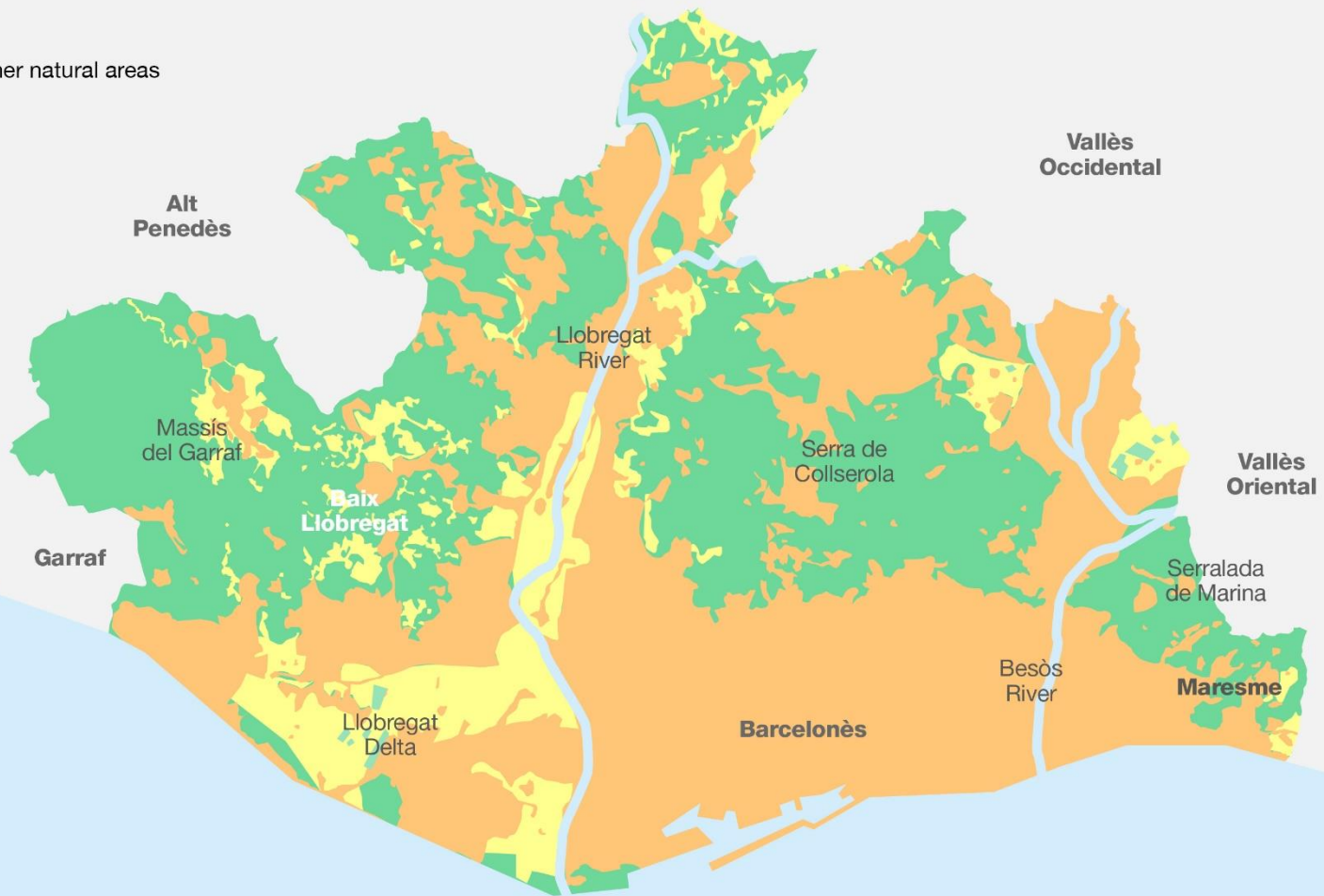
- 1. The Barcelona Metropolitan Area**
- 2. AMB competences in mobility and transportation**
- 3. Planning in Metropolitan Area of Barcelona**
- 4. Mobility model**
- 5. Stages**
- 6. Urban Mobility Metropolitan Plan (PMMU)**

# 1. The Barcelona Metropolitan Area



# 1. The Barcelona Metropolitan Area

- Developed land
- Woodlands and other natural areas
- Agricultural areas



**5,093 inhabitants/km<sup>2</sup>**

## 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

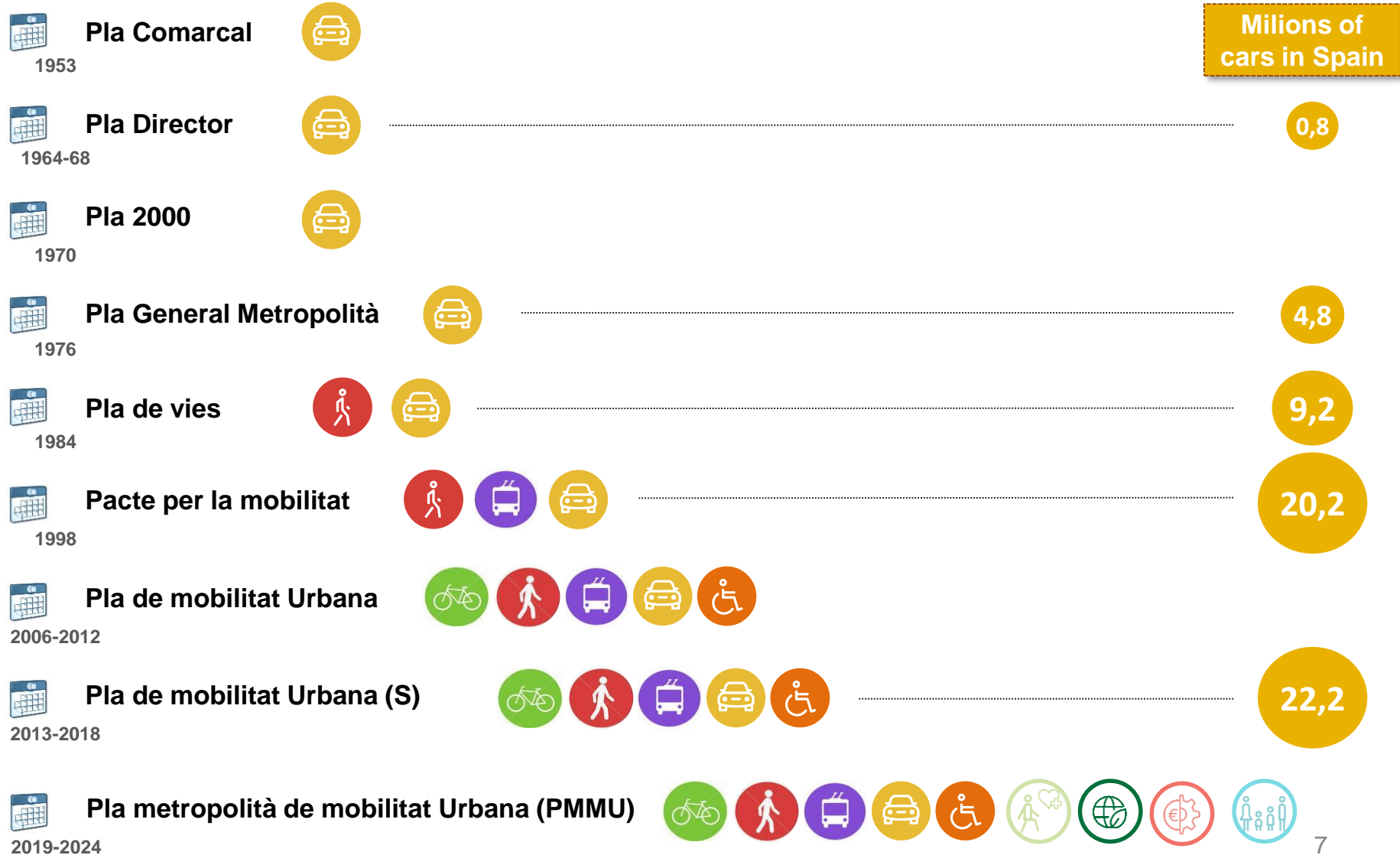
Promotion of sustainable transport



Management of the basic metropolitan road network



# 3. Planning in Metropolitan Area of Barcelona



## 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

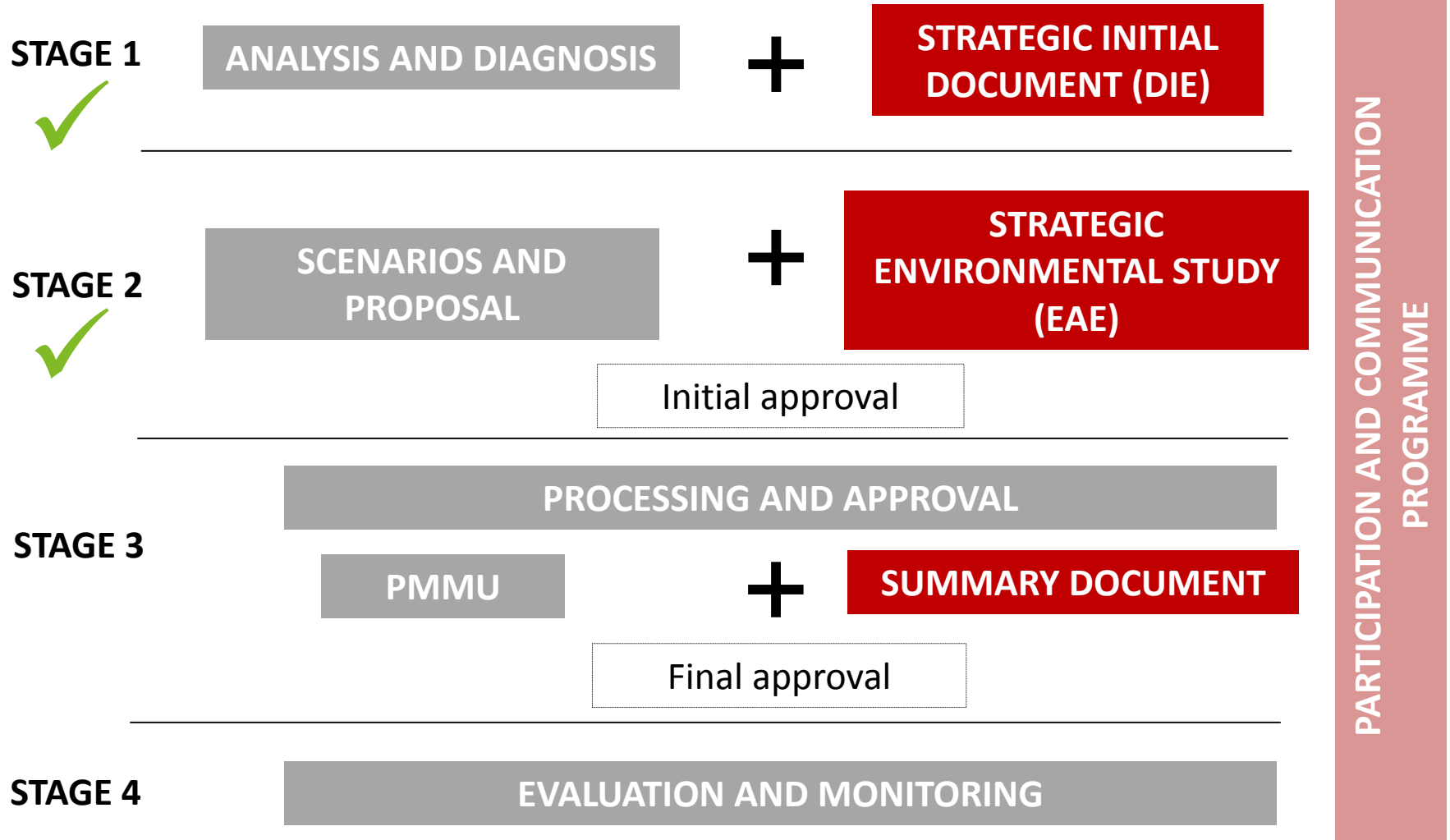


### EQUITY, PEOPLE AND GOVERNANCE

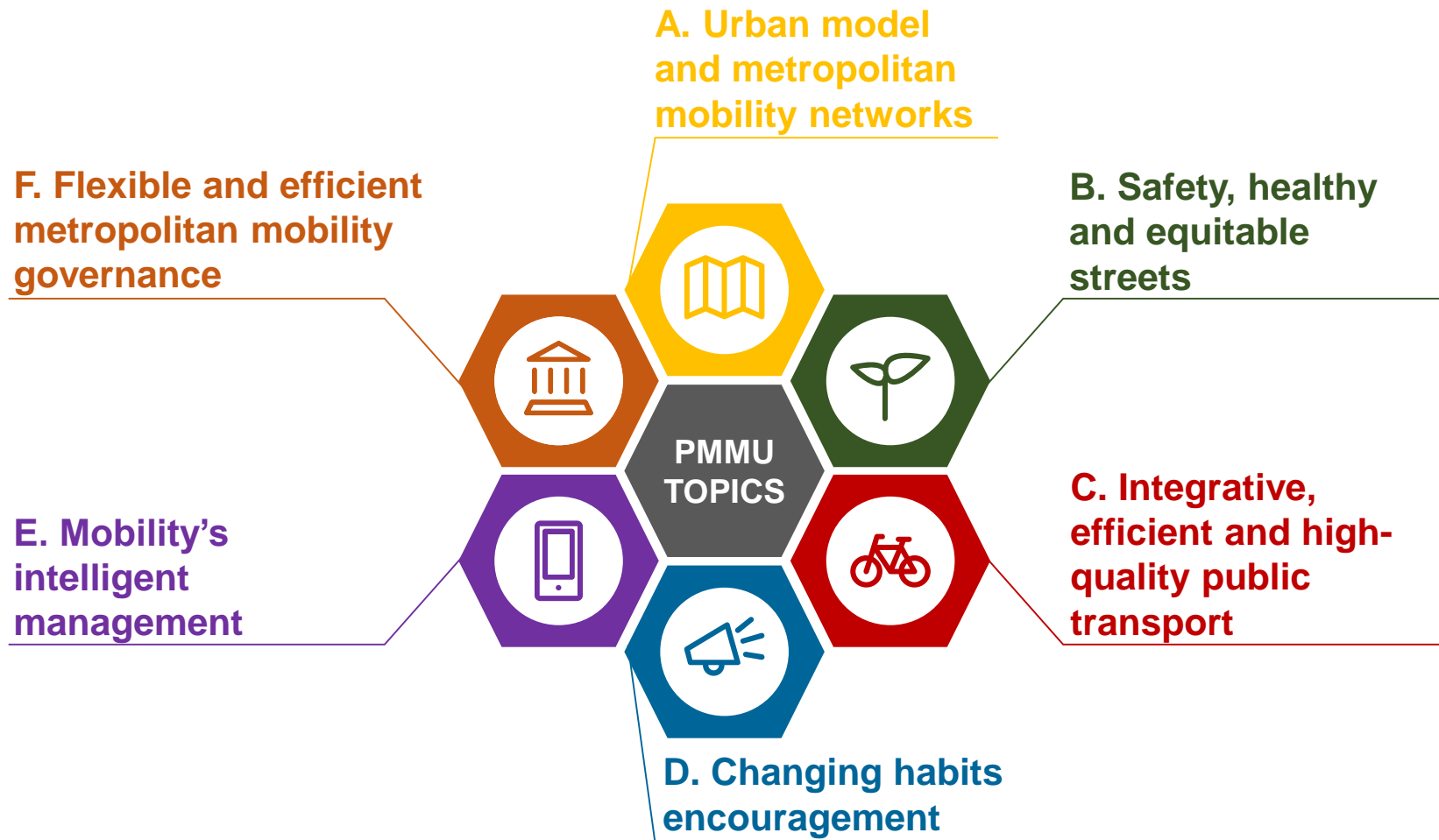
Promoting a fair mobility system, that guarantees public transport access and social cohesion



## 5. Stages



## 6. Urban Mobility Metropolitan Plan (PMMU)



29 ACTIONS

102 MEASURES

# How are we planning multimodality

**Transport infrastructures**

**1**

**2**

**Interchange points' metropolitan system**

**Public transport system supply**

**3**

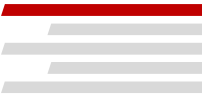
**4**

**Digitalisation and new technologies**

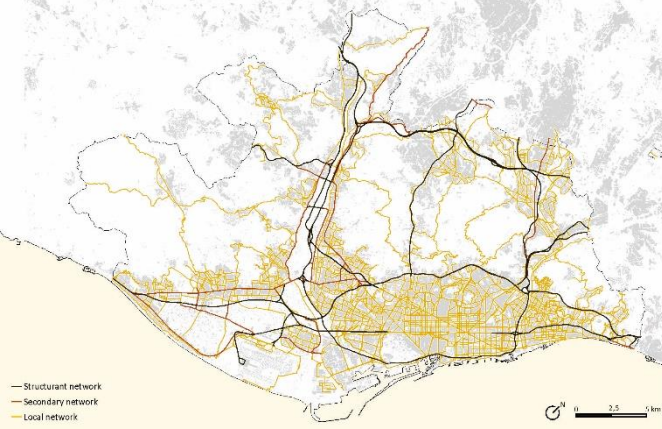
**Governance homogeneity and sustainability**

**5**

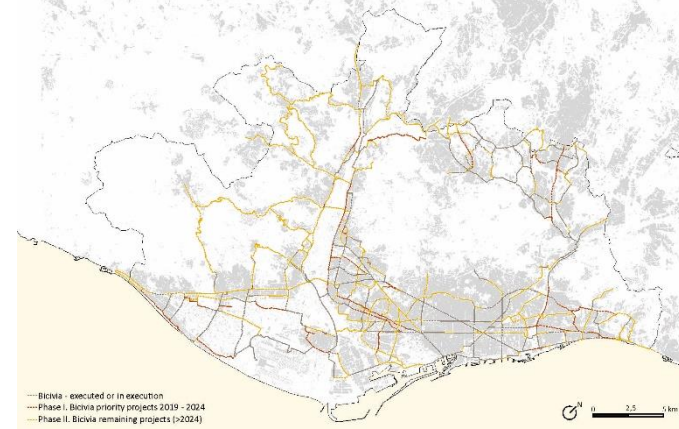
# Transport infrastructures (1/2)



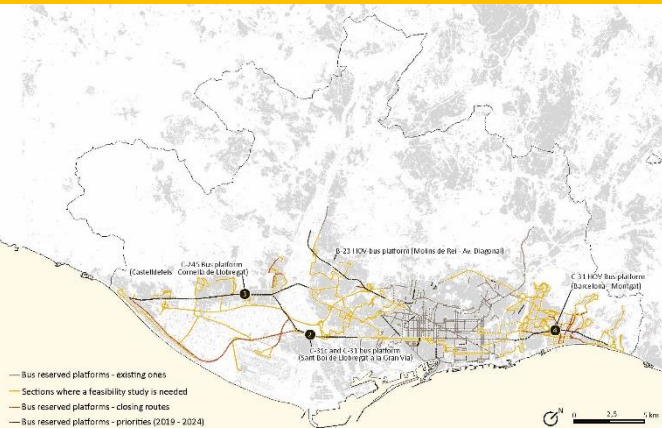
## Metropolitan Basic Road Network (MBRN). Definition, management and connectivity



## Development of the bicycle metropolitan network (Bicivia)



## Bus priority network

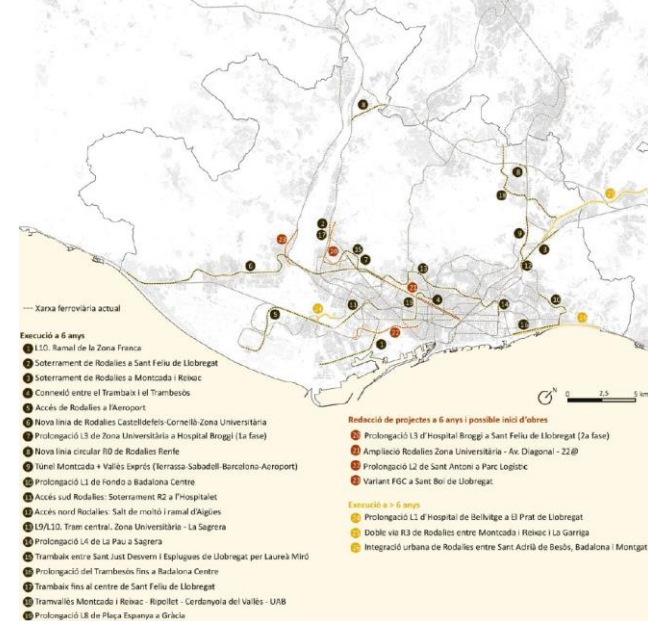
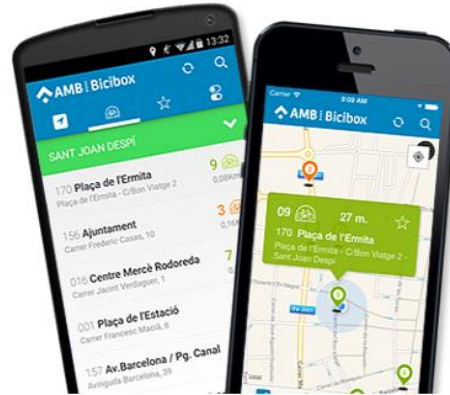


# Transport infrastructures (2/2)

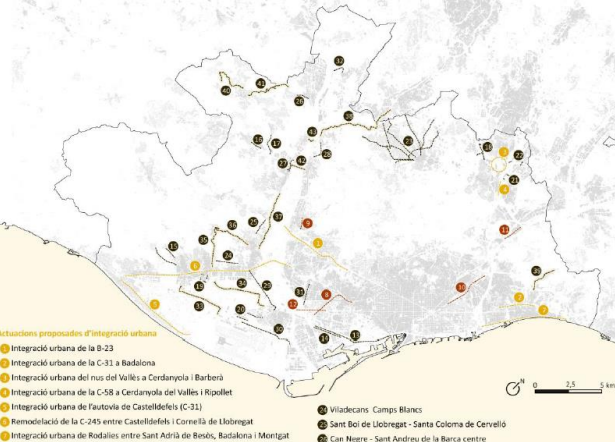
Extension of the public metropolitan bicycle (e-bicibox) and parking (Bicibox)

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

**AMB eBicibox**



Improve pedestrian permeability and connectivity



**Actuacions proposades de permeabilitat del vianant**

- Soterrament de Rodalies a l'Hospitalet de Llobregat
- Soterrament de Rodalies a Sant Feliu de Llobregat
- Transformació dels entorns de Festació de la Sagrera
- Soterrament de Rodalies a Montcada i Reixac
- Soterrament de la Granvia entre Miquel Hernández i el riu Llobregat

**Actuacions proposades de connectivitat per al vianant**

- Connexió urbana entre els dos costats de Montjuïc
- Front de Ronda
- Gavà centre - La Serrda i Ca n'Espinos
- Cervelló centre - Polígon Sector Gabi
- La Palma de Cervelló centre - Can Vidal i Can Mascardó
- Indira del Vallès - Cerdanyola del Vallès
- Accesos polígon Industrial Centre de Viladecans
- El Prat de Llobregat centre - Polígons industrials Mas Blau i III
- Polígon Sant Salvatella - Santiga - Barberà del Vallès
- Polígon Sant Salvatella - Santiga - Barberà del Vallès
- Connexions centre Sant Cugat del Vallès amb la perifèria

- Sant Vicenç dels Horts - Estació intermodal Quatre Camins
- Molins de Rei - Polígon Industrial sud - les Argiles
- Sant Boi de Llobregat - El Prat de Llobregat
- Aeroport T2 - Polígon Industrial Pratenc
- L'Hospitalet de Llobregat - Zona Franca
- Castellbisbal - Estació de Renfe de Castellbisbal

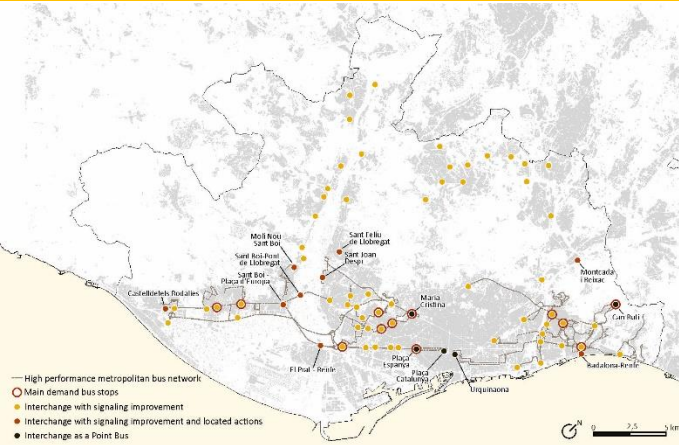
**Actuacions proposades de connectivitat per al vianant (aprofitant trajecte Biciviva)**

- Can Garriga - Aeroport de Barcelona
- Estació de Rodalies de Viladecans - Polígon Mas Blau i III
- Sant Climent de Llobregat - Viladecans
- Sant Climent de Llobregat - Sant Boi de Llobregat
- Sant Vicenç dels Horts - Sant Boi de Llobregat
- El Papiol - Sant Cugat del Vallès/Rubi
- Can Rull - Badalona
- Corbera de Dalt - El Prat
- Corbera de Llobregat - Sant Andreu de la Barca
- Quatre Camins - Sant Andreu de la Barca
- Pallemà - El Papiol

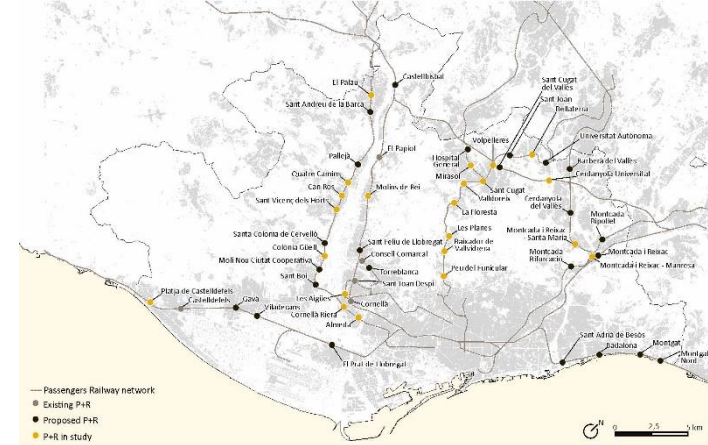


# Interchange points' metropolitan system

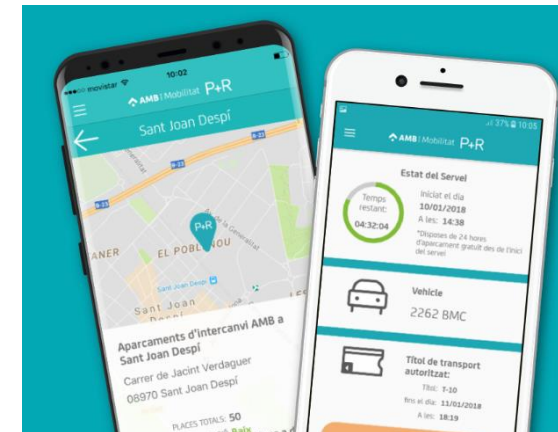
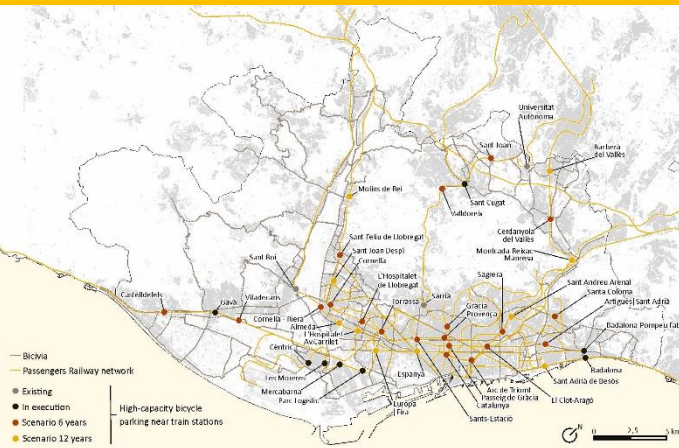
Develop and improve bus and rail interchange points



Metropolitan Interchange Parking System (P+R)



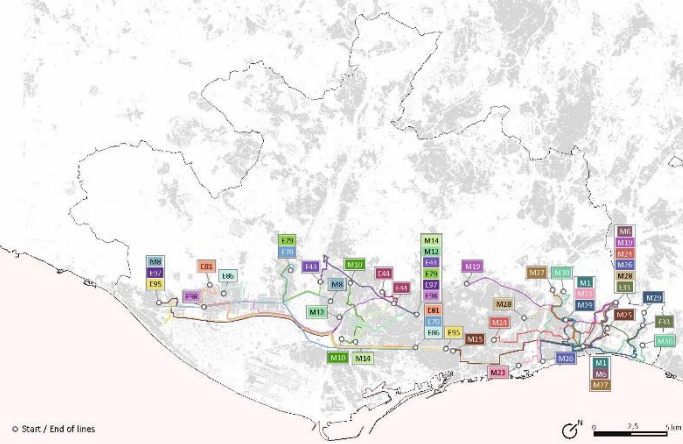
Huge capacity bicycle's park Plan in railway stations





# 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





**Thank you for your attention**

**Marc Busquets Casals**  
**Project Coordinator**  
[mbusquets@amb.cat](mailto:mbusquets@amb.cat)

 **AMB**  Àrea Metropolitana  
de Barcelona