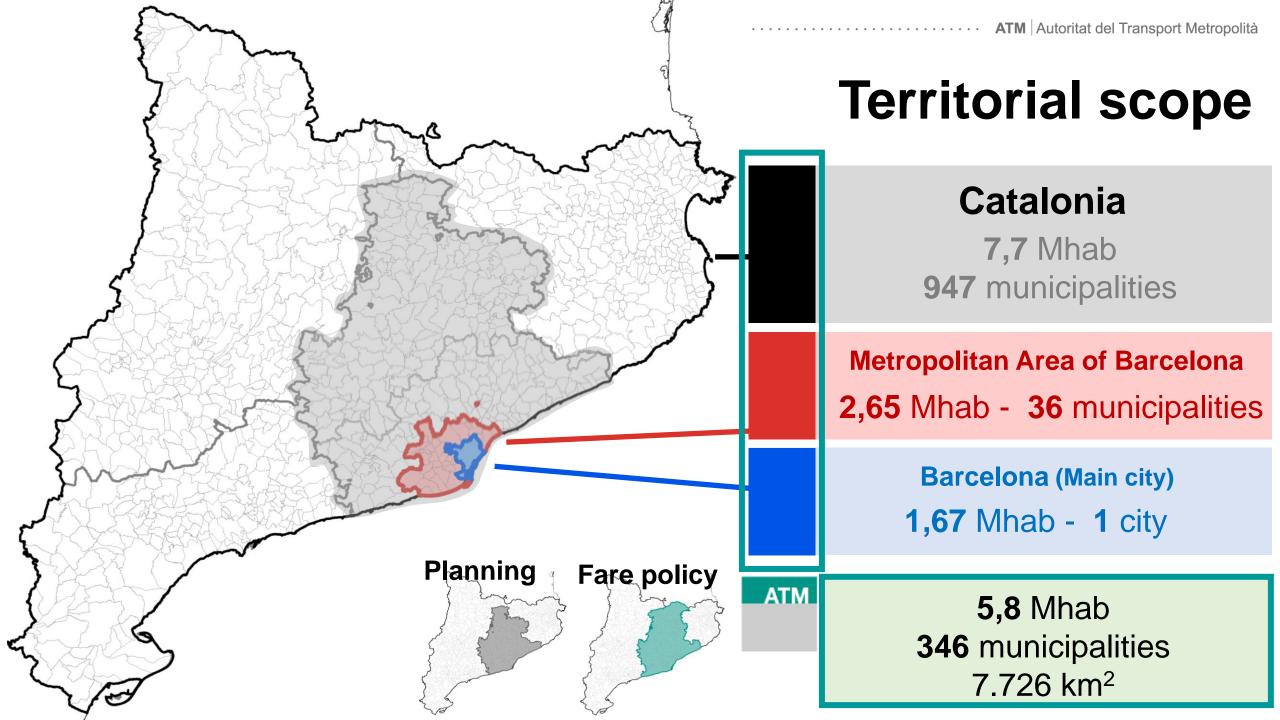


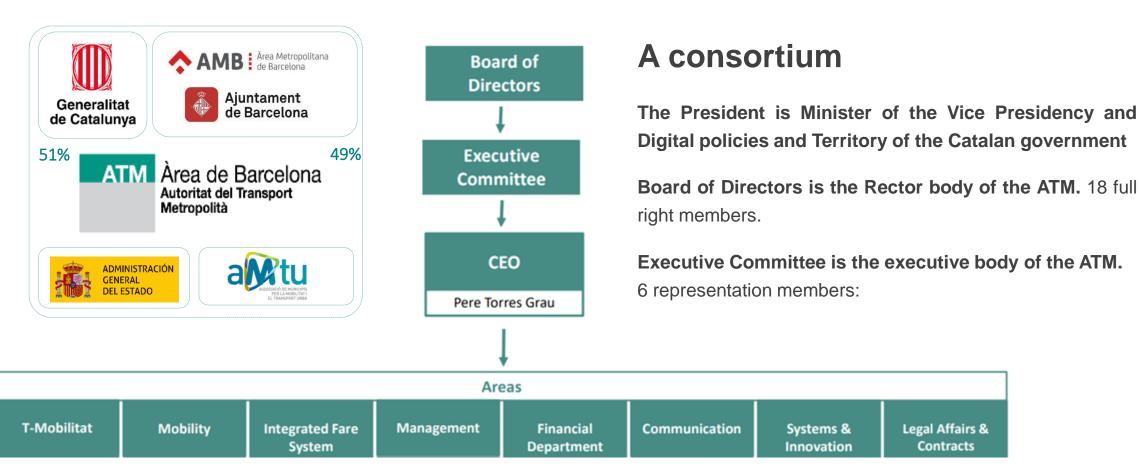


ATM Presentation

June 2023



ATM's Organisation



Staff: 36 people Budget 2018: 1.433 M€

ATM's Main functions

Planning

- Planning of infrastructures:
 Infrastructure Master Plan
- Planning and management of metropolitan mobility: Mobility Master Plan

Management

- Delegated management of the Metropolitan Tram network
- Government financing of the public transport system
- Program contracts with public transport operators

Fare policy

- Fare integration and subsequent fare policy
- Promotion of integrated communication of the fare System
- New fare digital platform: Tmobility



Master Mobility Plan

planning mobility, keeping in mind all modes of transport, passengers and goods.



Healthy and sustainable **mobility**



Efficient and productive **mobility**



Safe and reliable **mobility**



Inclusive and equitable mobility



Intelligent and digital **mobility**



Pla Director de Mobilitat



Megachanges in mobility

Environmental Social

pollution and climate emergency

ageing, social media



New mobility modes

scooters, shared cars, ...



Megachanges in mobility

Digitalisation

through smartphones

Data

as a key element for managing trips



Technological transformation

automation and robotics







Master mobility plan (pdm)

• It seeks to respond to the "megachallenges" that BCN faces, keeping in mind all modes of transport, passengers and goods



A new governance for a cross-sector integration of all these objectives

Master mobility plan (pdm)

Meeting different Sustainable Development Goals:





Affordable and accessible transport





Decarbonisation. Avoid negative externalities in terms

of health and the environment



Active means of transport towards a healthy and safe mobility model





New logistic model. Mobility as an innovative industry and generator of economic activity



Incorporating sustainable mobility in all areas of education



Promotion of traffic-calmed spaces and efficient, sustainable modes of transport.



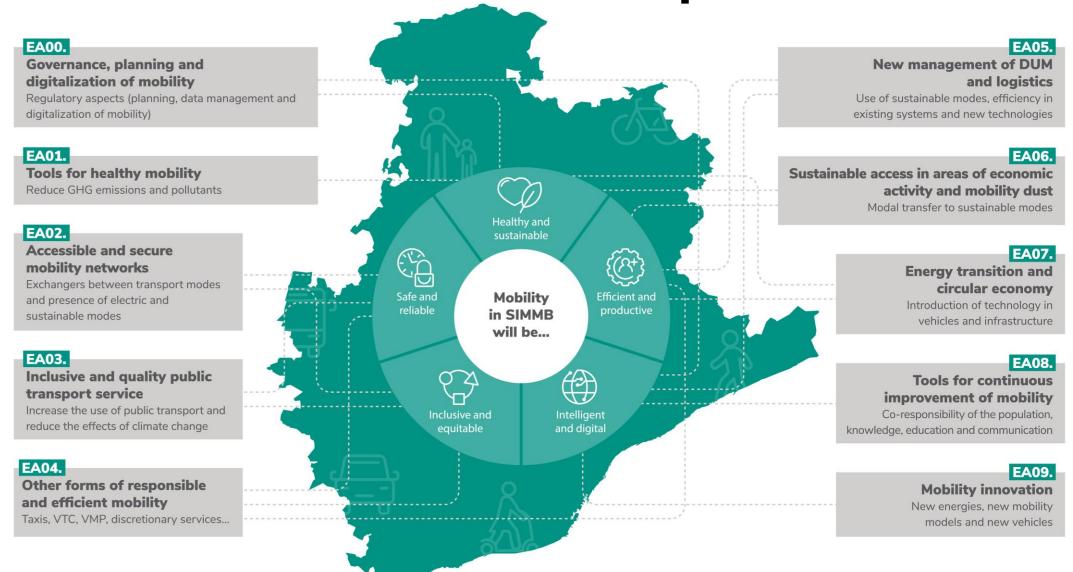
Incorporating the gender perspective



Meeting changes in trends in commuter and consumer mobility flows

The PDM'20-25: The Plan Proposal





Barcelona's ATM promotes digitalisation

The Mobility Master Plan incorporates innovation and digitalisation in all mobility modes

- T-Mobilitat Project
- P&R digital information
- Mobility digitalisation agenda
- Mobility observatory
- MaaS project & Strategy







Low Emissions zones

Projects to support municipalities to design and implement Low Emission

Zones:





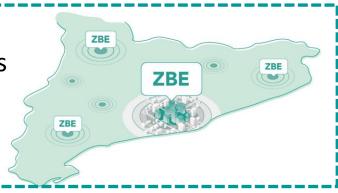






• Support instruments for municipalities with more than 20,000 inhabitants: digital platform to facilitate the implementation of LEZs.

It is expected that 43 municipalities will have working LEZs within the term of the Master Plan



Crisis management

Integrated response to periods of crisis or emergency





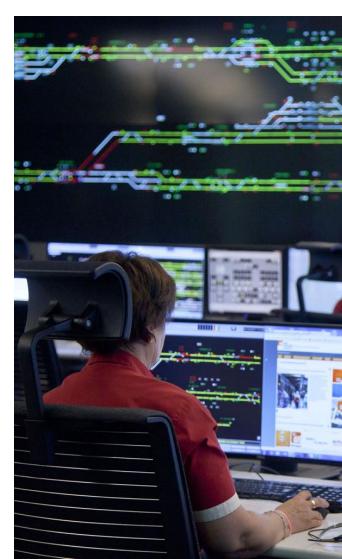


Contingency plans to adapt the public transport system to different crisis scenarios

future crises in the public transport system

governance model and design of a protocol for





Master Infrastructure Plan

planning infrastructures, keeping in mind public transport, environmental challenges and social inclusion.



Increase the modal share of Public Transport



Inclusive and equitable mobility



Minimize the consumption of energy and fossil fuels



Minimize the impact on the territorial matrix



Healthy and sustainable mobility



Ensure economic efficiency



Pla Director d'Infraestructures



Action programs

The proposed actions are divided into five action programs:

- Network expansion (Metro, Bus, and Tram)
- State Railway Network
- Exchangers. P&R
- Surface Public Transport. e-bus
- Modernization and improvement

The Plan defines two groups of actions: type A (expected to start the execution within this decade, good economic and social profitability with IRR>3%, and good environmental impact, with Life cycle>40) and type B (unscheduled actions with lower profitability, with IRR < 3% or Life cycle< 40)



Phase A. Scheduled actions

Investment 8.888,2 **M**€



PdI emission reduction target expected:

Stations

64

C0₂ Emissions: -9,3%

NOx Emissions: -31,5%

PM₁₀: -26,6%



Trains

(network

66



Demand

(benefited

passage)

591.510

Resilience to climate change

 Specific projects to ensure the resilience and adaptation of transport infrastructures to climate change:











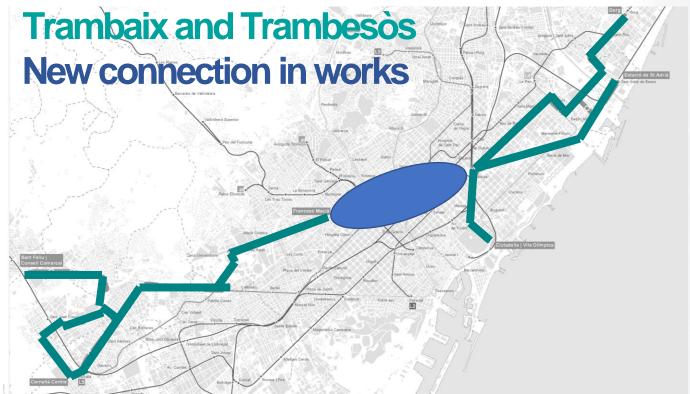
247 M€ approved in the master Infrastructures Plan



The TRAM network

To satisfy the need for a new medium-capacity transport mode, using an environmentally, friendly and new transport system.

Network 2





The TRAM network

Runs across

Total length

Trams

Passengers

New connection

Lenght
Trams
Passengers

9 municipalities

29,1km

41

29,1M

4 Km 18 29,0 M



Urban integration

• Infrastructures integrated in the urban space

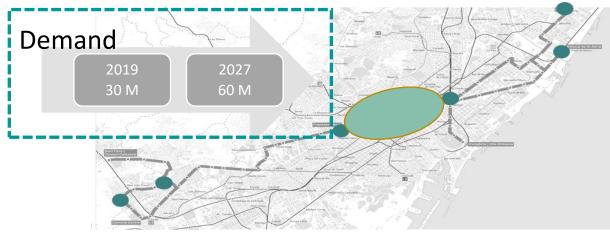
•







- Link-up of the two current networks along the Diagonal
- New urban design where pedestrian, bicycles and PT take over the private car





Public transport system

BUS OPERATORS

Metropolitan Transports of Barcelona (TMB, Public Operator): Urban bus of Barcelona. It is the principal operator of the System. Administrated by the AMB.

746 lines
15.805 km network

Other transport operators There are other 50 private operators (metropolitan, intercity or urban) that offer services in a concessional regime or other modalities, administrated by the Generalitat of Catalonia, the Metropolitan Area of Barcelona or the City Councils.























Public transport system

RAILWAY OPERATORS





Metropolitan Railway of Barcelona (TMB, Public Operator): Metro of Barcelona. Administrated by the AMB.





Generalitat of Catalonia Railway (FGC, Public Operator): Metro and commuter trains. Public company owned by the Generalitat of Catalonia





Metropolitan Tram, (private operator, concessional system):
Administrated by ATM.



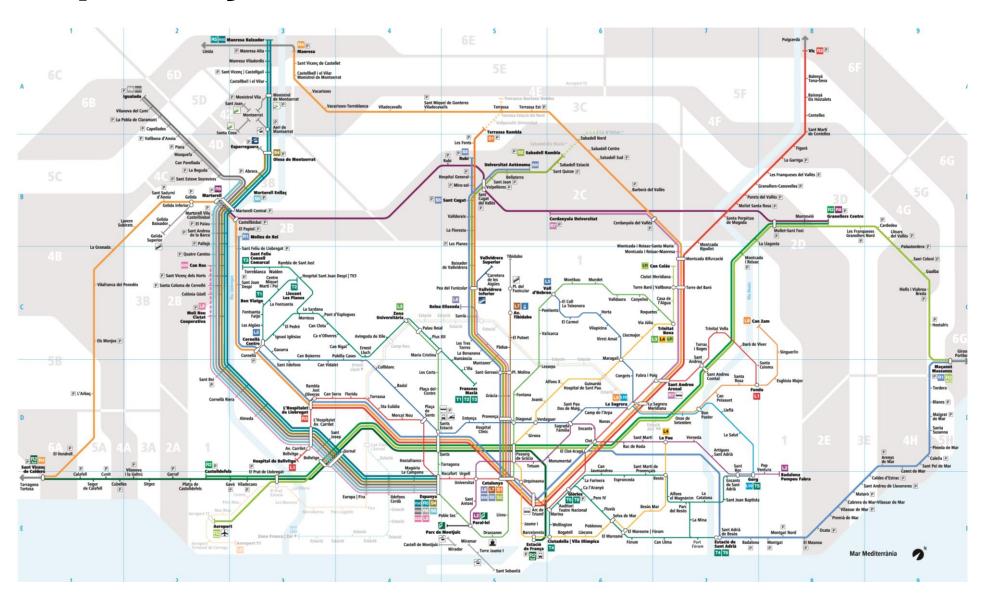


Rodalies of Catalonia (Renfe, Public Operator): Commuter train network. Public company of the General State Administration, the ownership of the service was passed to the Generalitat of Catalonia in 2010.

Public transport system

RAILWAY NETWORK

23 railway lines 811 km



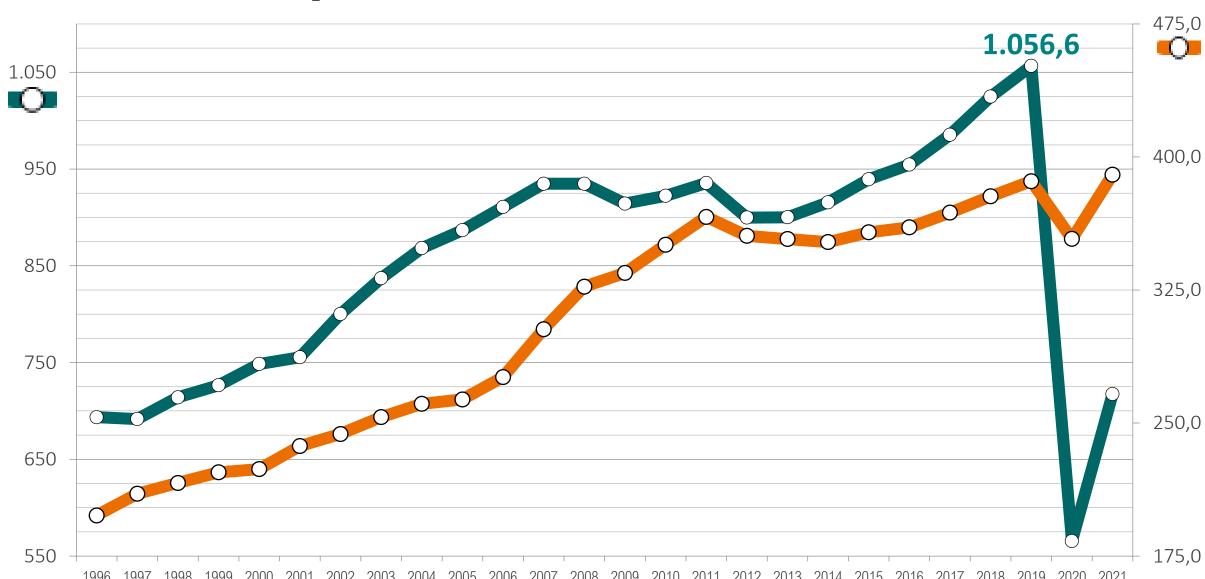
Public transport supply

	Routes	Network (km)	Trains km.10 ⁶	Trains / HP
Urban (Metro TMB)	8	123	92,9	146
Suburban (FGC+Renfe)	23	666	123,1	85
Tramway	6	29	2,4	23
SUBTOTAL 2020	37	718	218,3	254
	Routes	Network (km)	Buses on service	Age
Urban TMB	101	830	903	8,5
Suburban (Metropolitan buses)	115	1.452	652	9,2
Suburban (Other buses)	417	12.278	686	6,8
Other services	147	1.045	275	9,6
SUBTOTAL 2020	780	15.603	2.515	8,6



Public transport





Demand



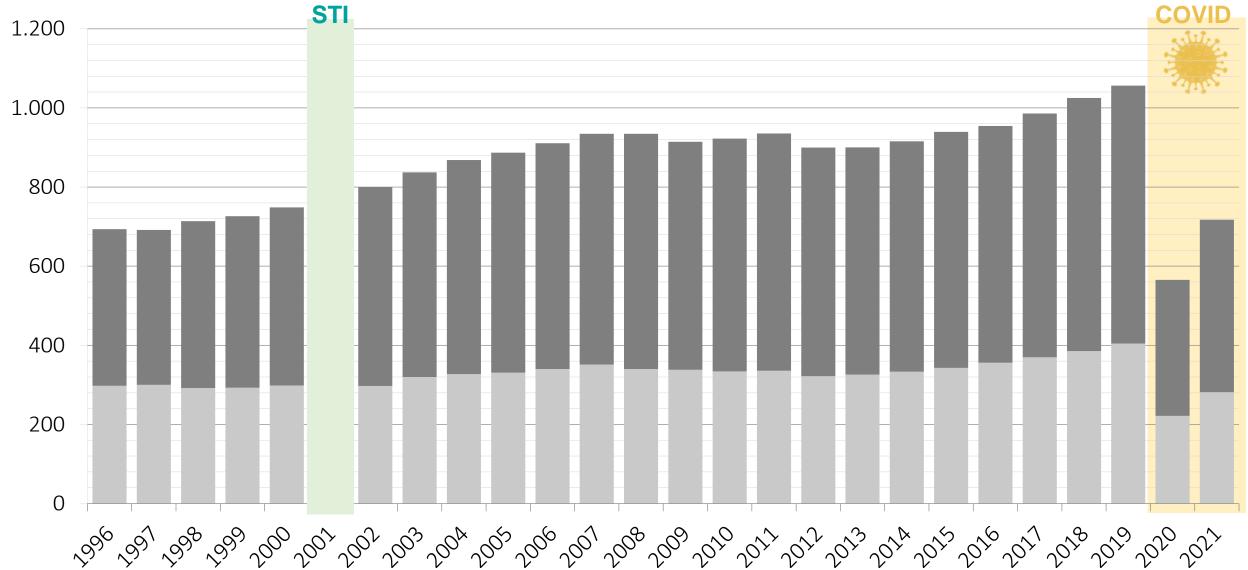
TRAIN: URBAN & SUBURBAN

(Metro: 64% | TRAM: 4,5% | Suburban: 31,5%)



BUS: URBAN & SUBURBAN

(TMB: 52%)



decarbonization

Decarbonisation of public road transport





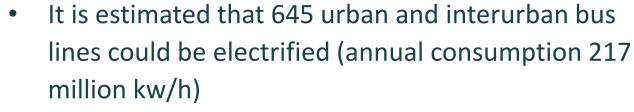














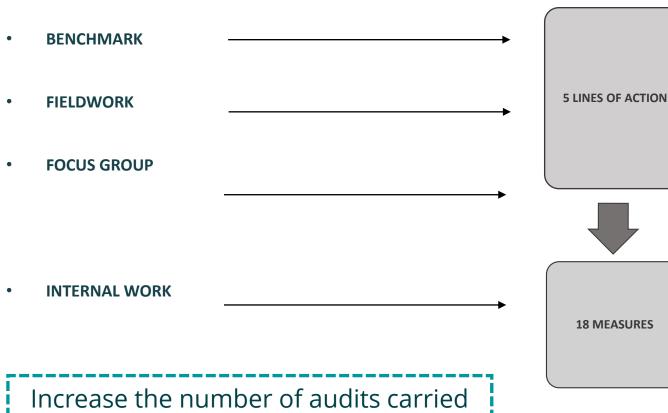


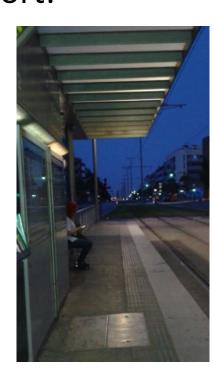


Gender policy

Plan of measures against sexual harassment in public transport:







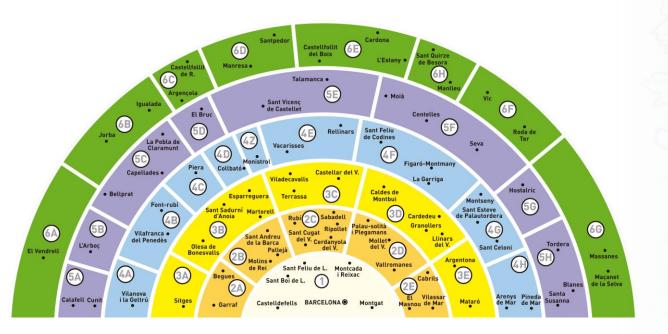
18 MEASURES

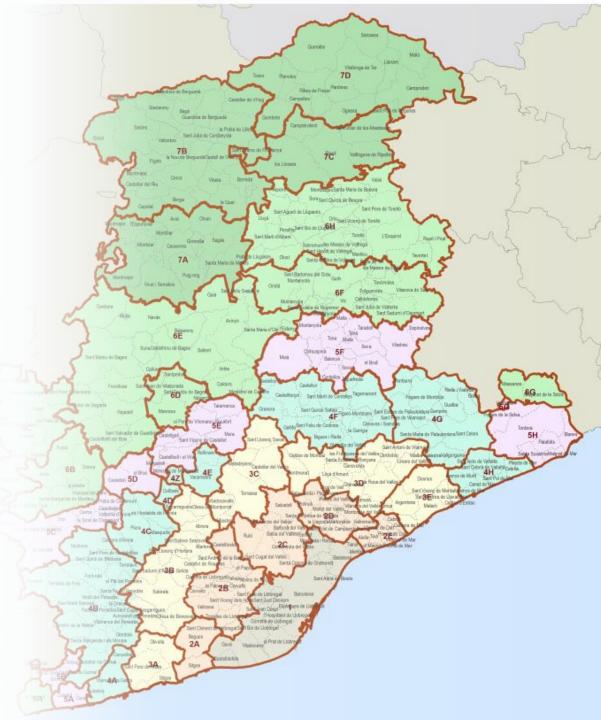
out on the mobility system from a gender perspective

Integrated Fare System

- **346** municipalities
- **5,7** M inhabitants

The **integrated fare** enables passengers to **pay for a single journey and make transfers on different means of transport.** This translates to considerable savings for all users.





Ticketing and information digitalisation

Opportunities for innovation

- Fare integration and promotion of exchange with other modes:
- New marketing and sales systems (mobile, internet, etc.).
- Precise control of the time of use, km of service, etc., and characterisation of the needs of the users.
- Dynamic pricing: "Pay as you go".
- Optimisation of access systems to the public transport network.
- New mobility data platform

The proposal

- Tariff adapted to use
- Mobility card adapted to the user
- Reduction of card types (trend towards a single card).

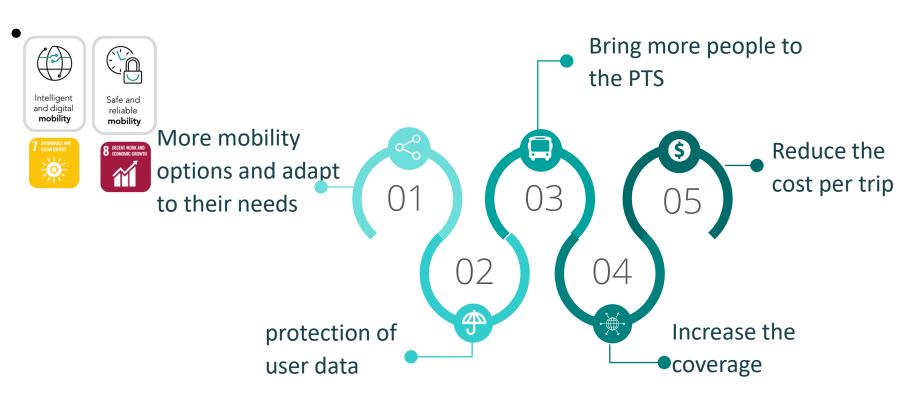


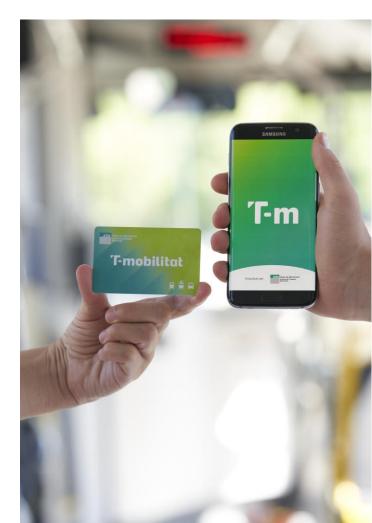
Unleashing transport transformation through digital and mobile



Mobility as a service

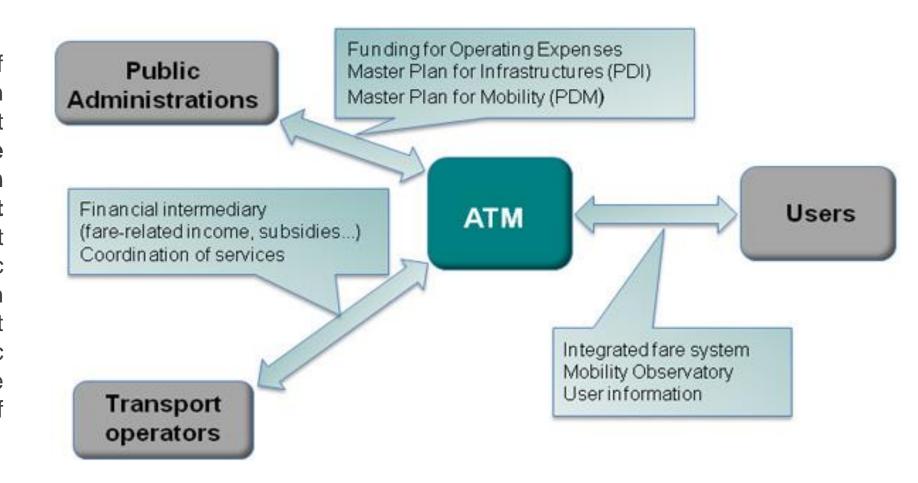
 Maas Project: A door-to-door trip with several modes and a single contract

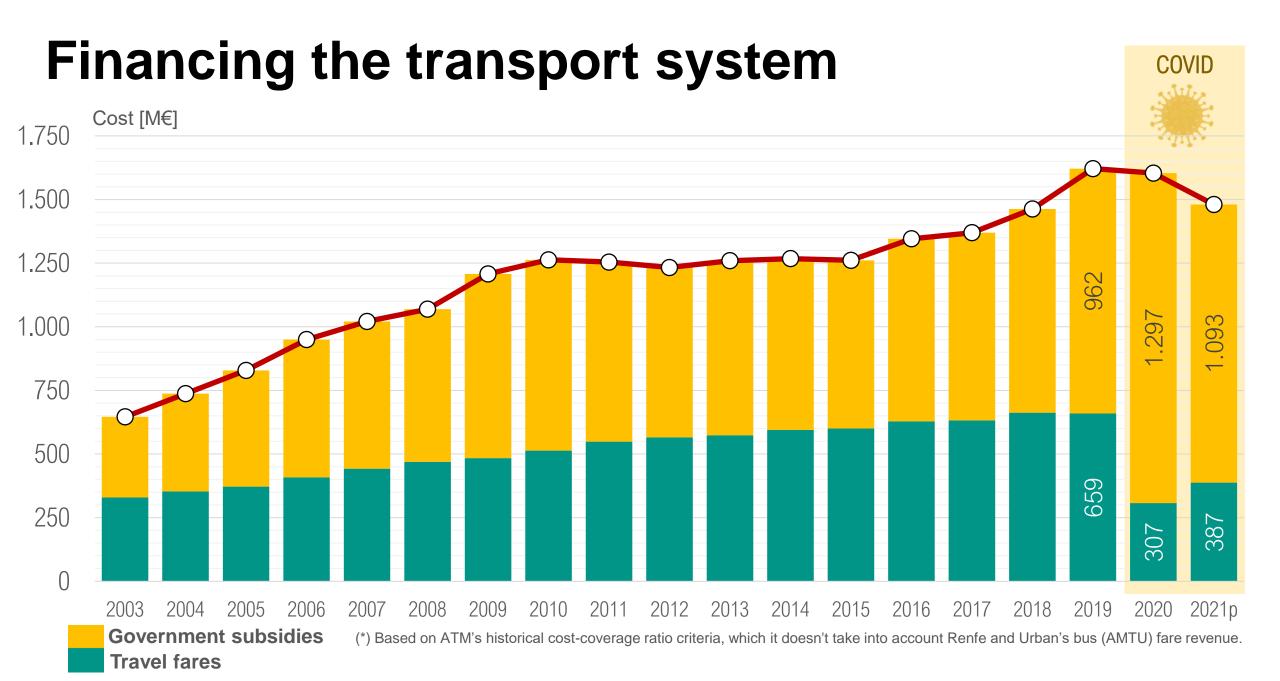




Financing the transport system

One of the primary duties of ATM (Metropolitan the Transport Authority) is to act as a financial hub for the entire metropolitan collective public transport **system**. This guarantees that there are sufficient economic resources to carry out an ongoing improvement in the public programme within transport the Metropolitan of Region Barcelona.





From local to global:

ATM's involvement and active participation at EU level and beyond.

Building a common and interoperable ground for the future of mobility



The EU Green Deal

The European Green Deal is about improving the well-being of people. Making Europe climate-neutral and protecting our natural habitat will be good for people, planet and economy. No one will be left behind

The EU will:















Àrea de Barcelona Autoritat del Transport Metropolità

Thanks!
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