



# ***The Florence tram system in the mobility network***

**Dario Nardella**  
**Mayor of Florence**

# The city of Florence

## The Florence tram system

### “Florence is the most popular compact and global city in Italy”

As regional capital, Florence absorbs political and administrative activities (such as schools, institutions, Italian and foreign universities), as well as strong tourism-related activities.

**102.41**

Km<sup>2</sup> of  
municipal  
area extension

**378,174**

Units of resident  
population of which  
59,601 foreigners

**600,000**

Units of residents + visitors  
(Daily population)

**68,128**

Student population

**3,692**

Residents per Km<sup>2</sup>

### Tourist figures in Florence (year 2015)

**13.655** mln

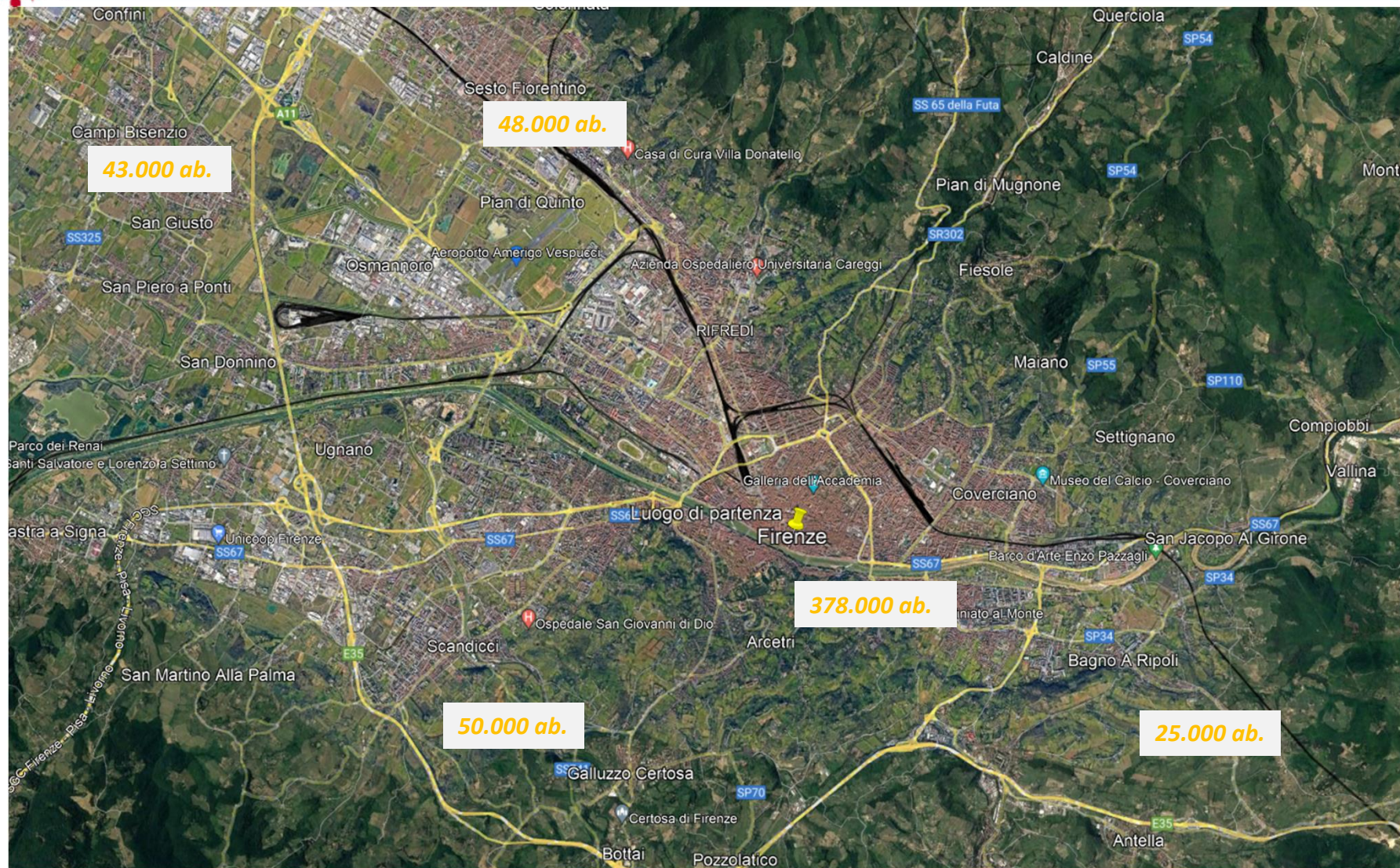
visitors  
in the whole  
metropolitan area

**9.169** mln

visitors  
within the Florence  
city boundaries



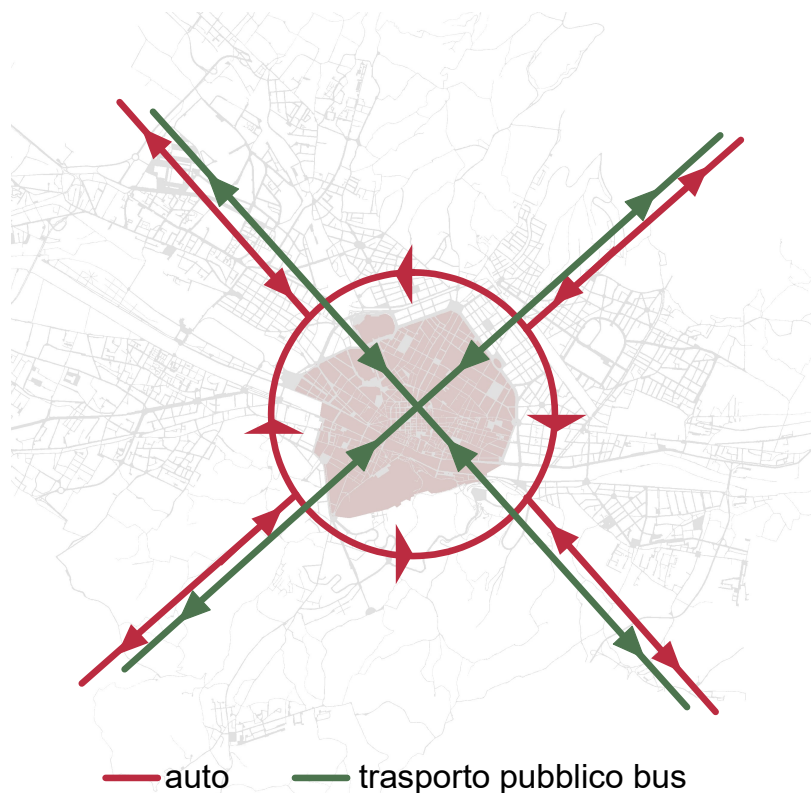




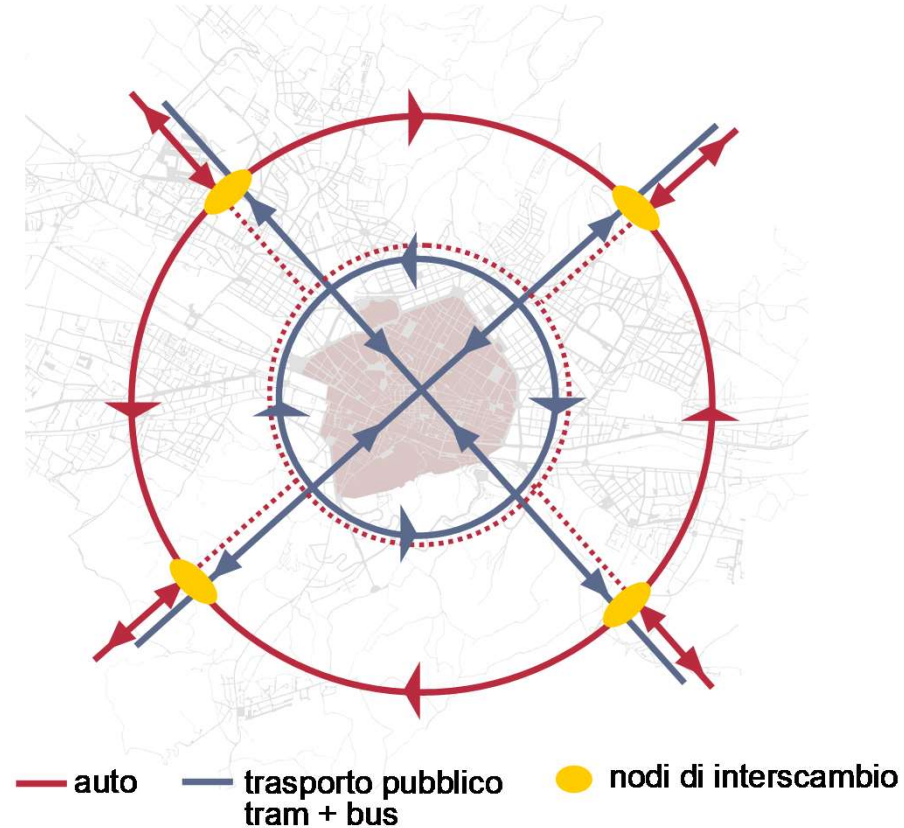


# ROAD TO AN INTERMODAL NETWORK

## The Florence tram system



*Public  
Transport  
Network before  
tram lines*



*Public  
Transport  
Network with  
tram lines*

# ACTUAL TRAMWAY NETWORK

## The Florence tram system

**LINEA 1** in esercizio dal **2010**

**LINEA 3** in esercizio dal 16 luglio **2018**

**LINEA 2** in esercizio dall'11 febbraio **2019**



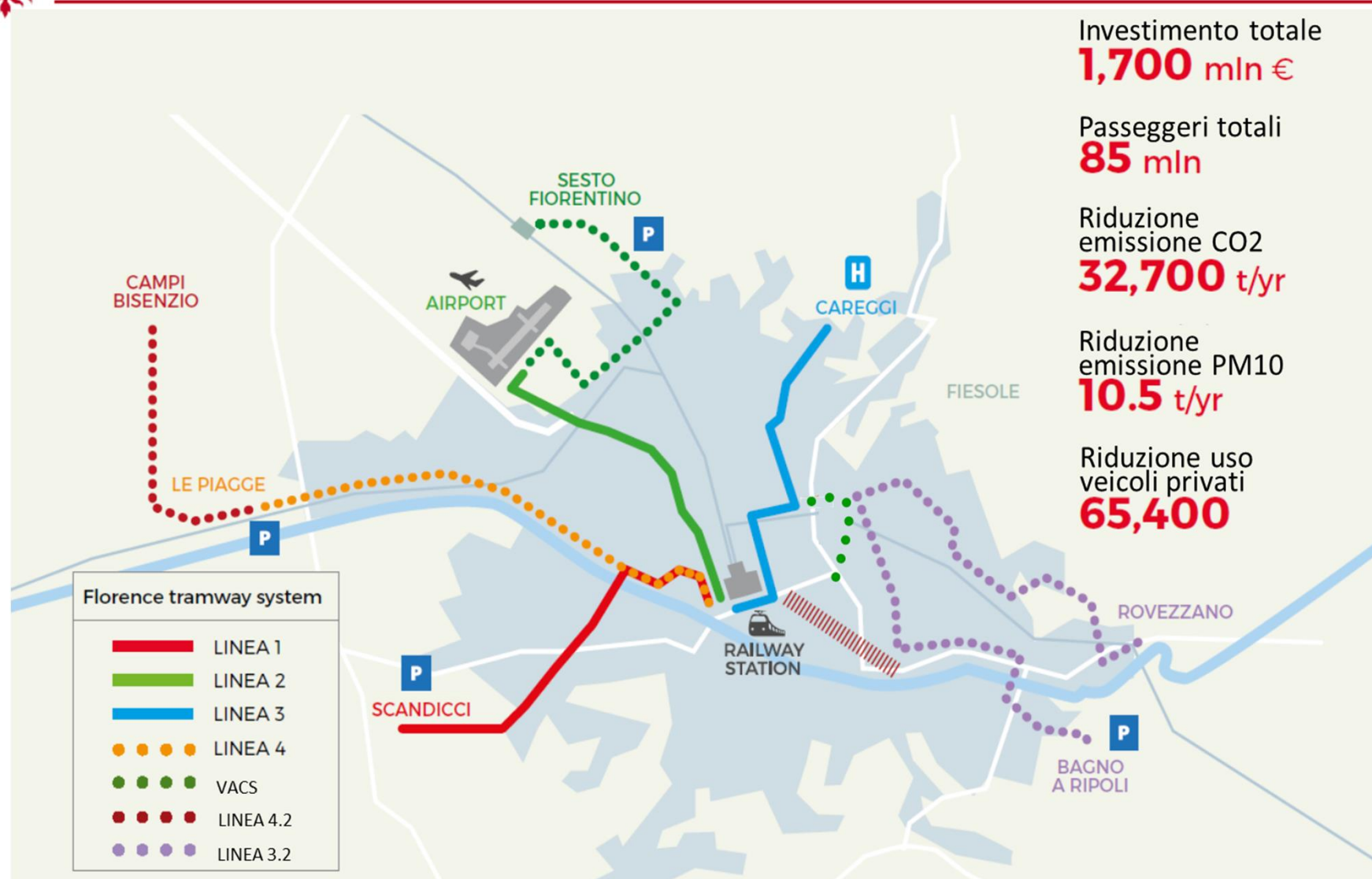
Florence tramway system

- LINEA 1
- LINEA 2
- LINEA 3



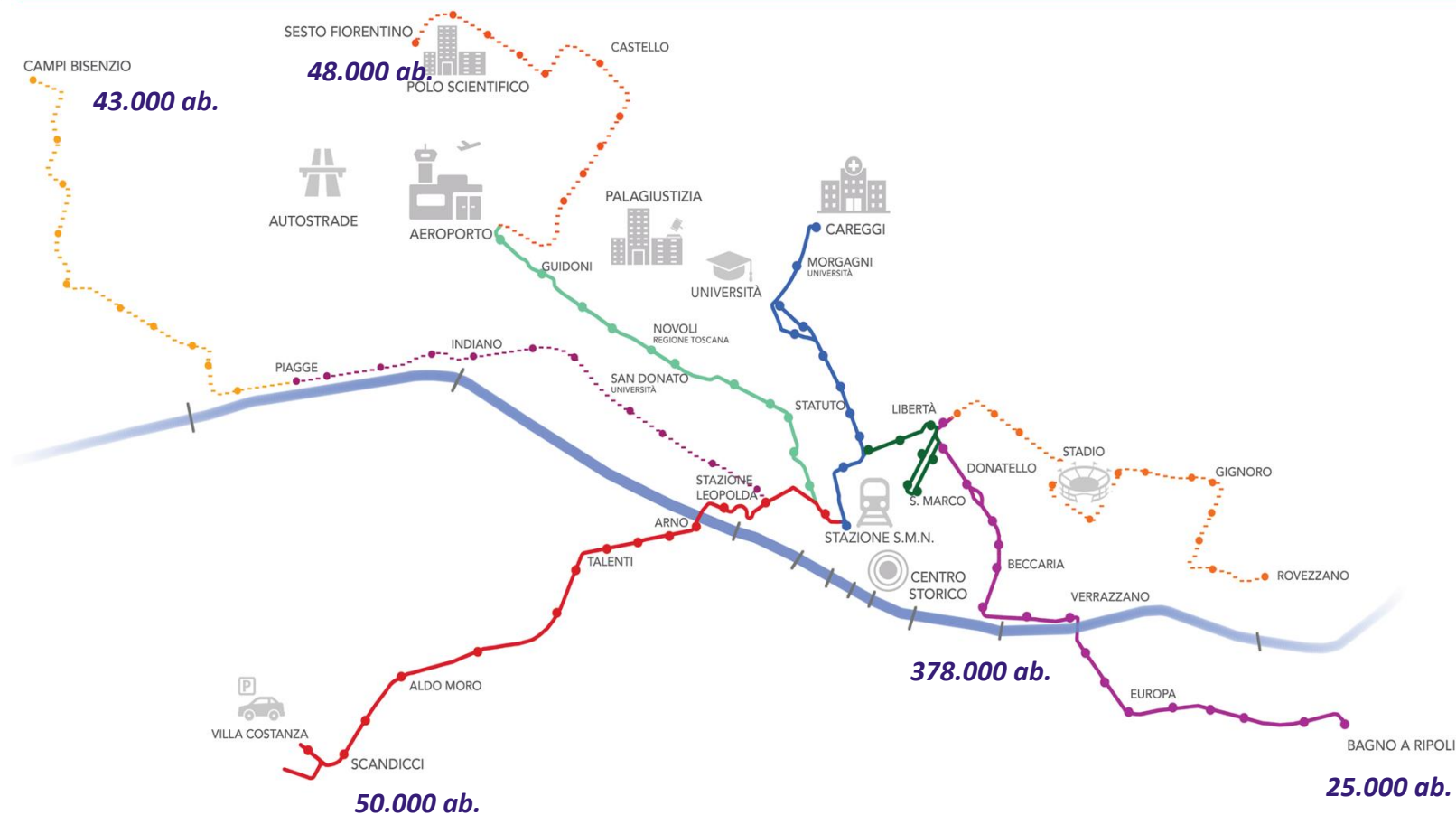
# TRAMWAY NETWORK FULLY EXTENDED

## The Florence tram system



# TRAMWAY NETWORK FULLY EXTENDED

The Florence tram system



## LEGENDA

- LINEA 1
- LINEA 2
- LINEA 3.1
- LINEA 3.2
- VARIANTE ALTERNATIVA AL CENTRO STORICO LOTTO II

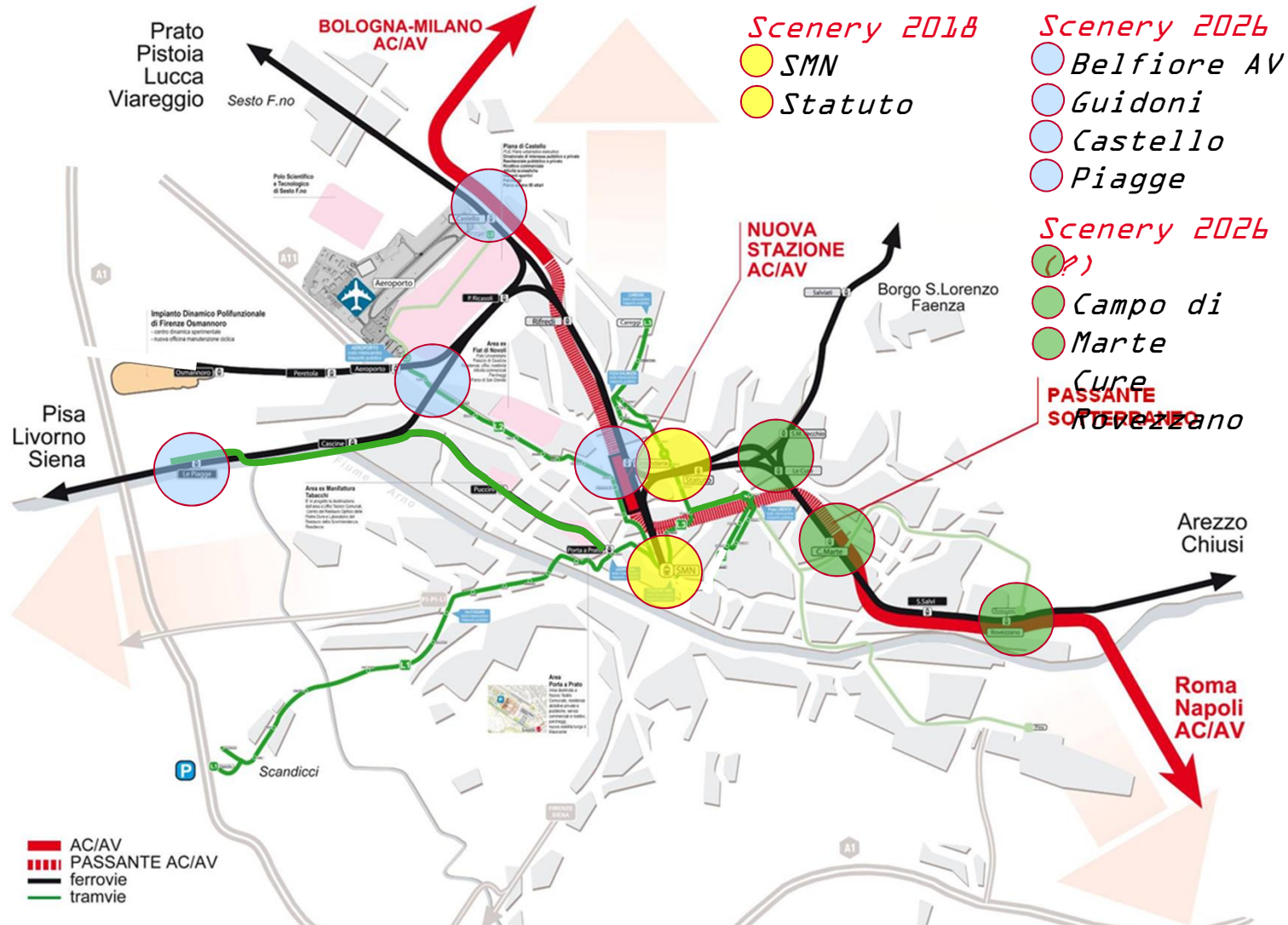
## FUTURE ESTENSIONI

- LINEA 4.1 LEOPOLDA PIAGGE
- LINEA 4.2 PIAGGE - CAMPI BISENZIO
- LINEA 2 ESTENSIONE - Tratta AEROPORTO - POLO SCIENTIFICO Sesto Fiorentino
- LINEA 3.2 - Tratta LIBERTÀ - ROVEZZANO



# EXCHANGE HUBS TRAMWAY-TRAIN NETWORKS

## The Florence tram system



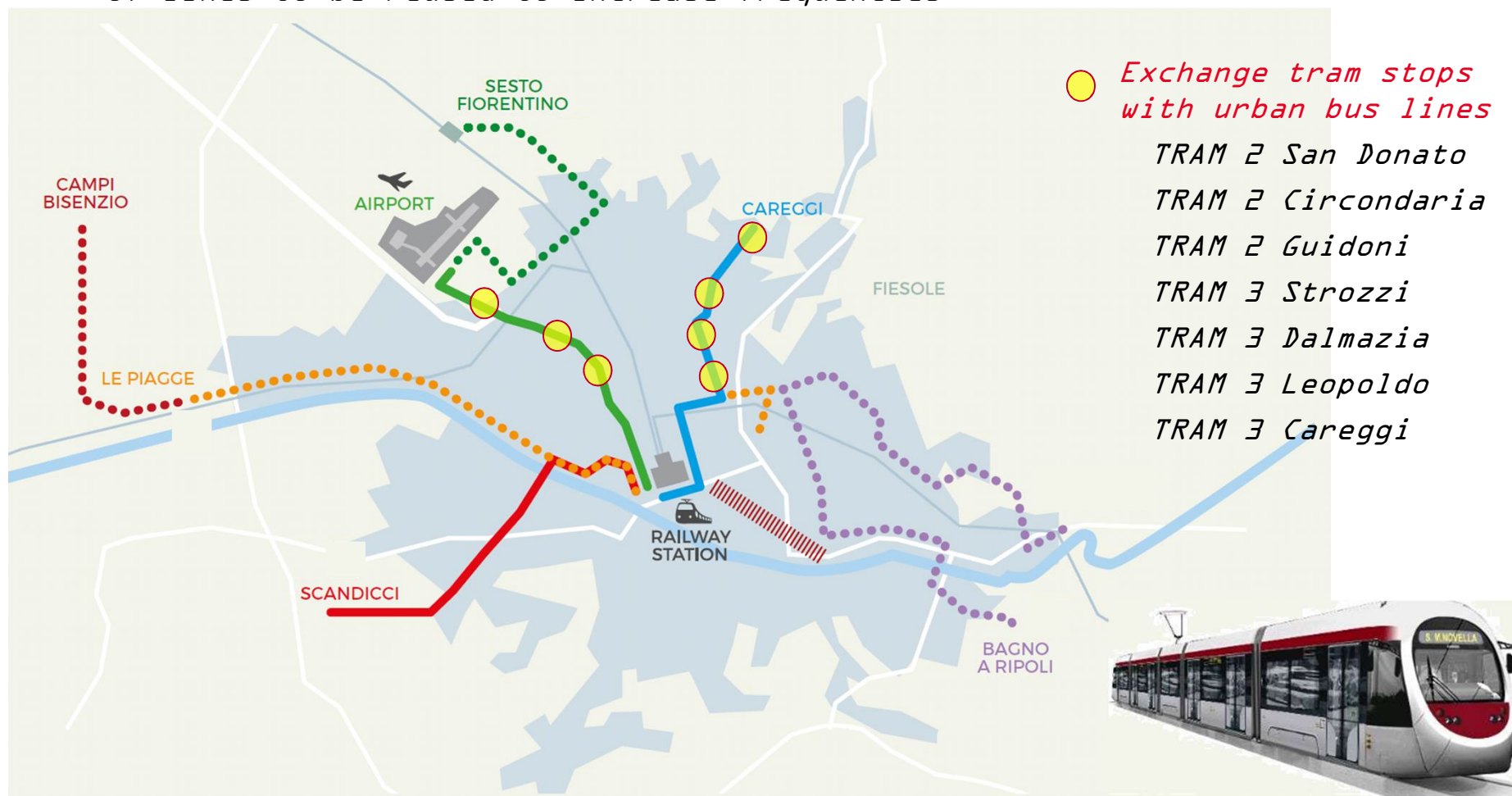


# URBAN PUBLIC TRANSPORT NETWORK REASSEMBLY

## The Florence tram system

*Scenery 2019 Operating start lines 2 and 3*

*Transformation of the urban bus network with subdivision between strong lines to be maintained and adduction lines to tramways. Reduction in km of lines to be reused to increase frequencies*



# EXCHANGE HUBS TRAMWAY-SUBURBAN BUSES

The Florence tram system

*Scenery 2019 Operating start lines 2 and 3*

● *Exchange tram stops with suburban bus lines*

TRAM1 Leopolda

TRAM1 Ponte a Greve

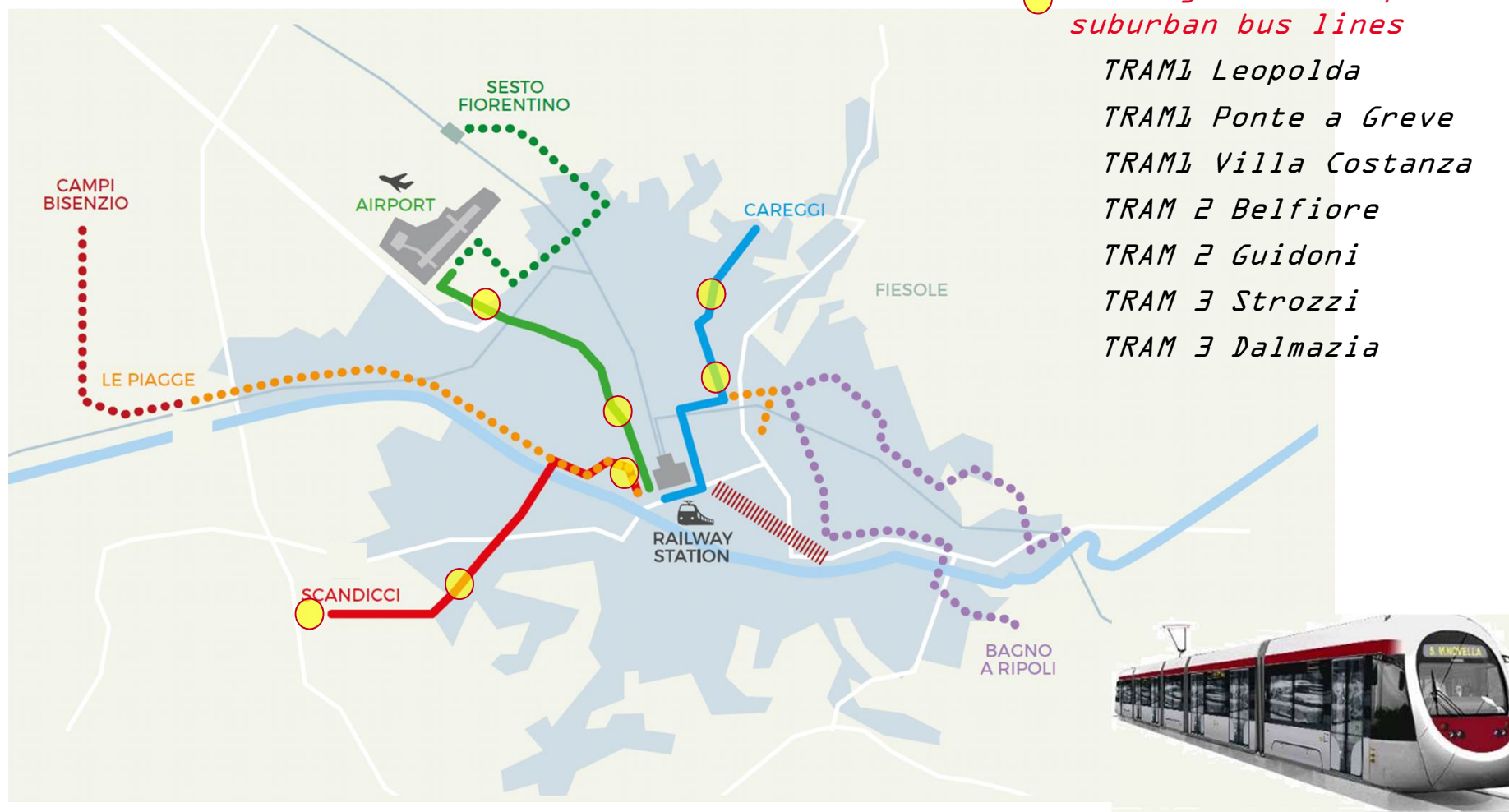
TRAM1 Villa Costanza

TRAM 2 Belfiore

TRAM 2 Guidoni

TRAM 3 Strozzi

TRAM 3 Dalmazia



# EXCHANGE HUBS TRAM-PRIVATE CARS

## The Florence tram system

### Scenery 2018

- Villa
- Costanza
- Corsica
- Guidoni

### Scenery 2026

- Belfiore
- Castello
- Piagge/Indian
- o

### Scenery 2026

- (?)
- Bagno a Ripoli
- Rovezzano





# EXCHANGE HUBS TRAM-PRIVATE CARS

## The Florence tram system

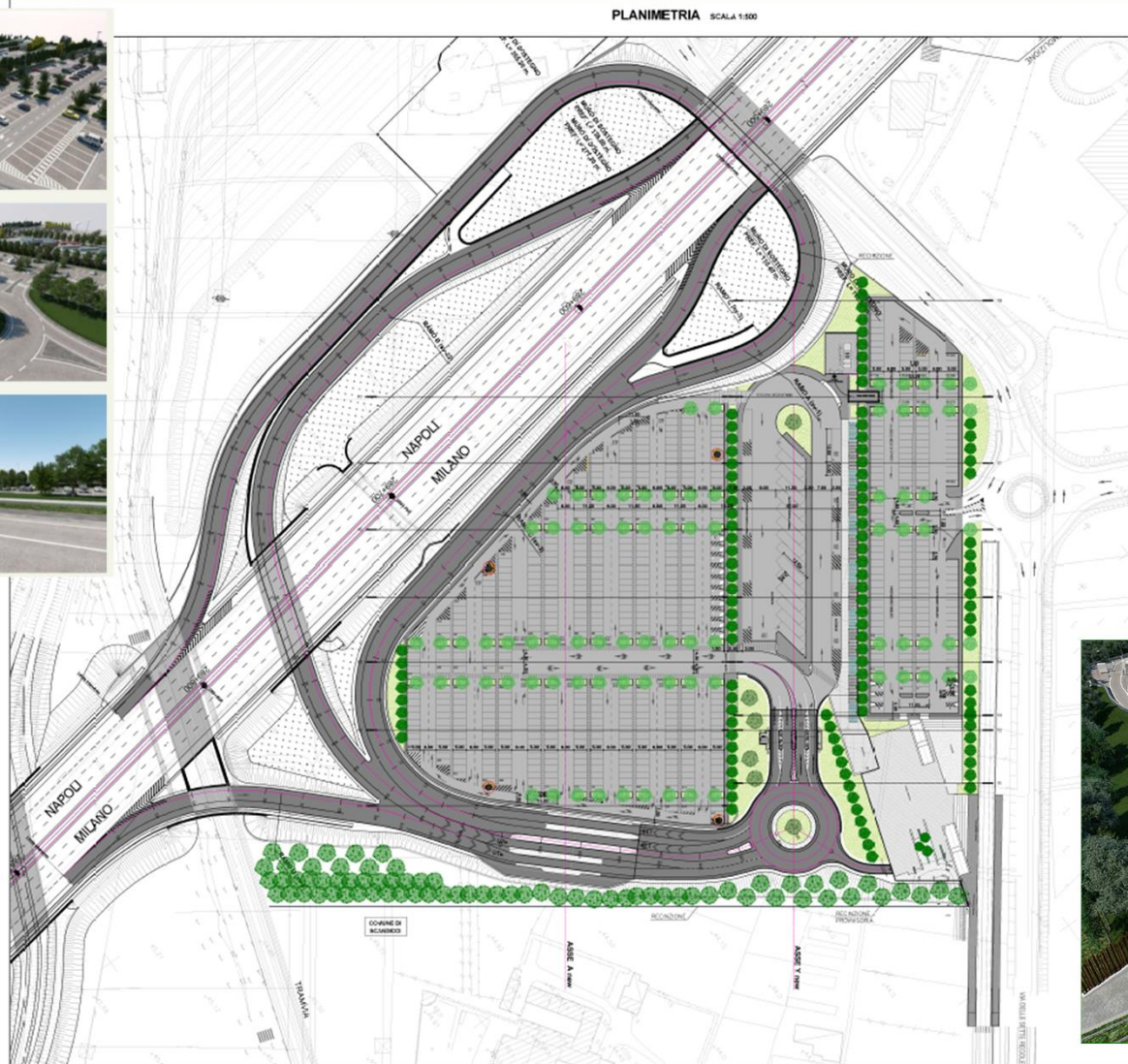
Operating since 12/6/2017

### Motorway parking

- 495 car slots
- 10 disabled car slots
- 25 bus slots

### Public parking (outside motorway)

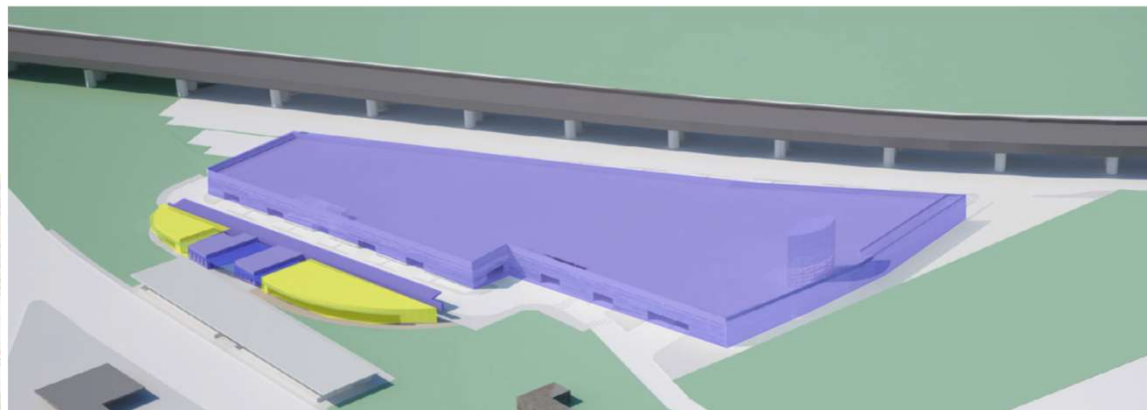
- 166 car slots
- 6 disabled car slots



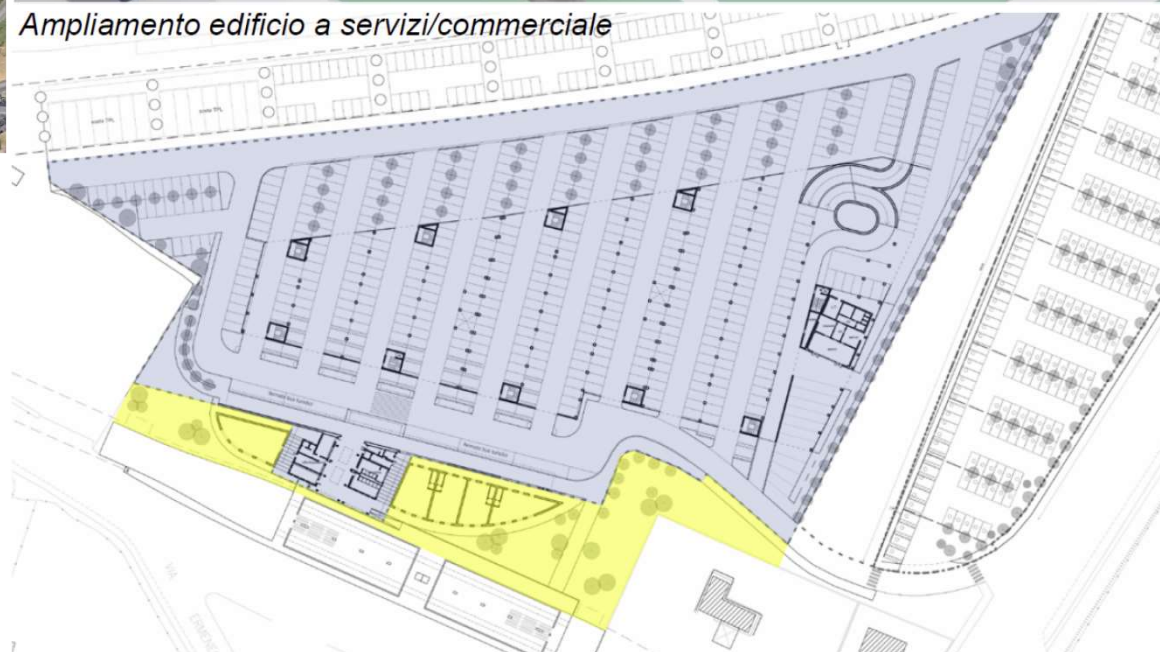
## EXCHANGE HUBS TRAM-PRIVATE CARS

The Florence tram system

*New multi-storey  
parking*



*Ampliamento edificio a servizi/commerciale*



*Under design at  
Guidoni tram stop  
just outside  
motorway*

*About 1100 car  
slots*



# The Green Shield

## The Florence tram system

*It is an area of the city protected by a system of telematic gates which aim to regulate vehicle access on the municipal road network to reduce traffic and harmful emissions.*

*The perimeter of the green shield allows access to the terminals of the tram network and to the exchanger parking lots at the terminus*

### RIDUZIONE DI TRAFFICO E INQUINAMENTO

**- 107.000**

veicoli per km  
al giorno

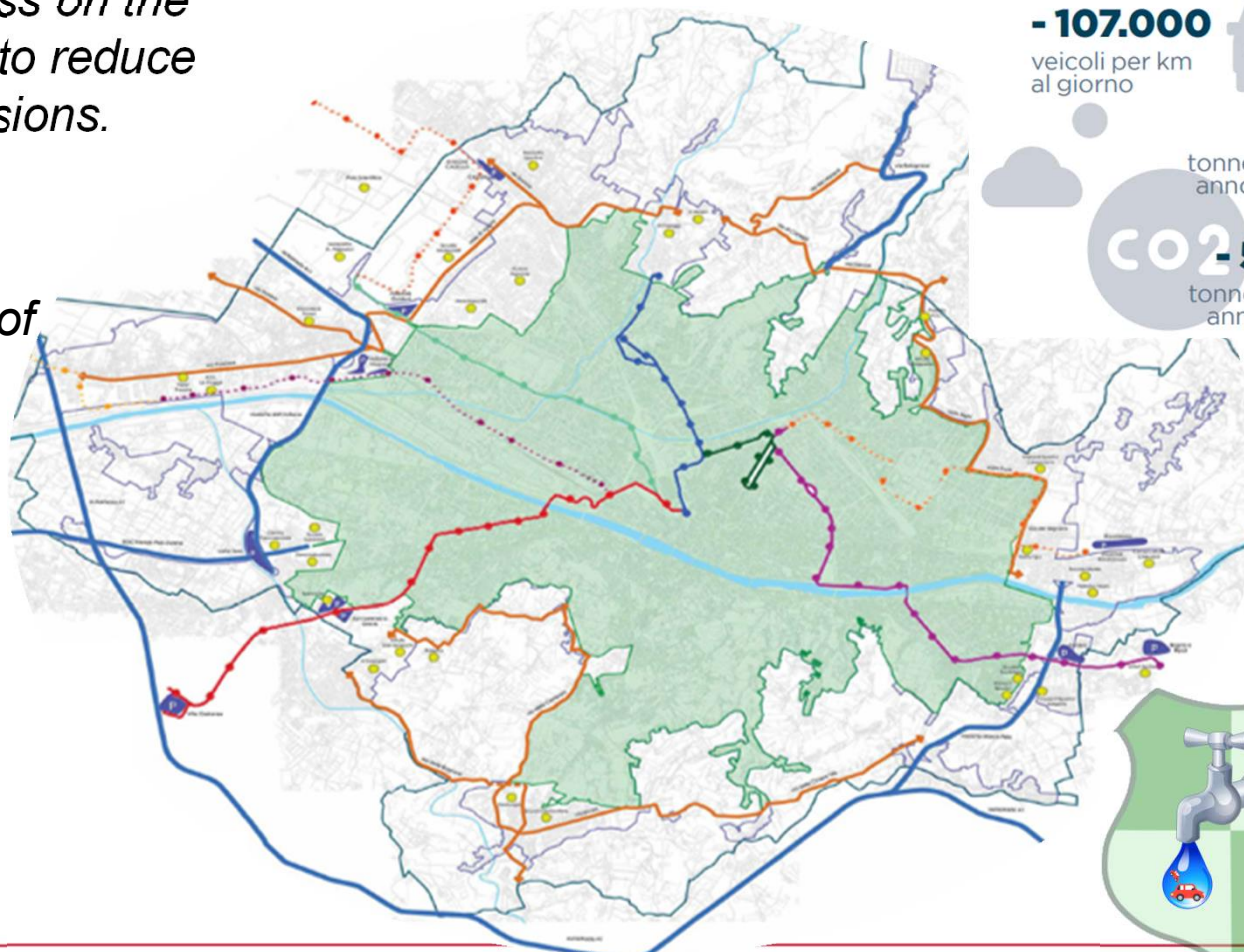


**- 3,3**

tonnellate per  
anno di PM10

**CO2 - 5.250**

tonnellate per  
anno di CO2



€ Risorse investite  
**4,4 milioni**





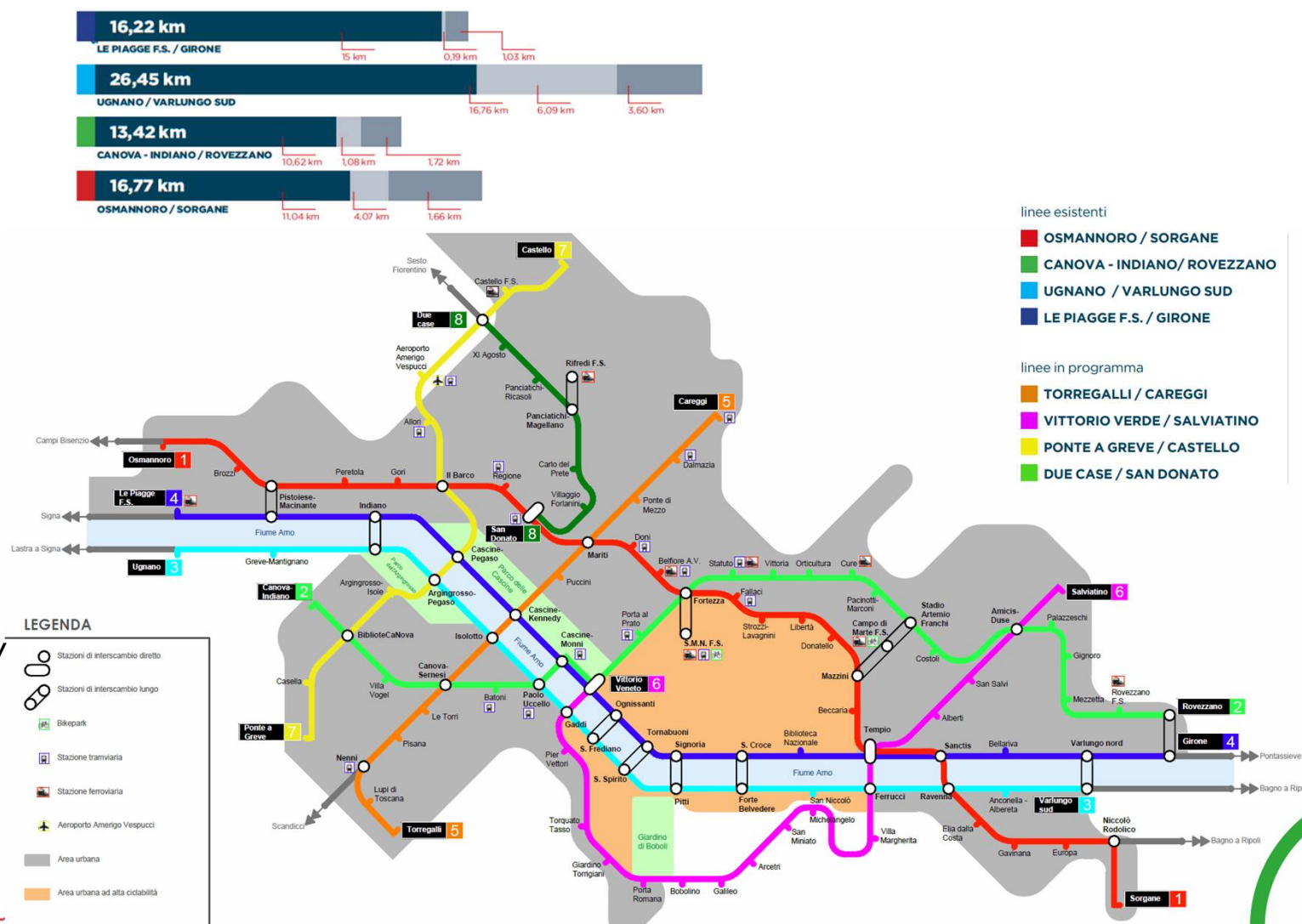


# Cycle Mobility Bicipolitan project

The Florence tram system

*Bicipolitan, the network that organizes the backbones of Florentine cycle mobility in a clearer and more rational way.*

*The new network extended to 95 km of cycle paths enhances the existing paths by organizing them into lines that allow the user to cross the city on quality routes protected from traffic.*



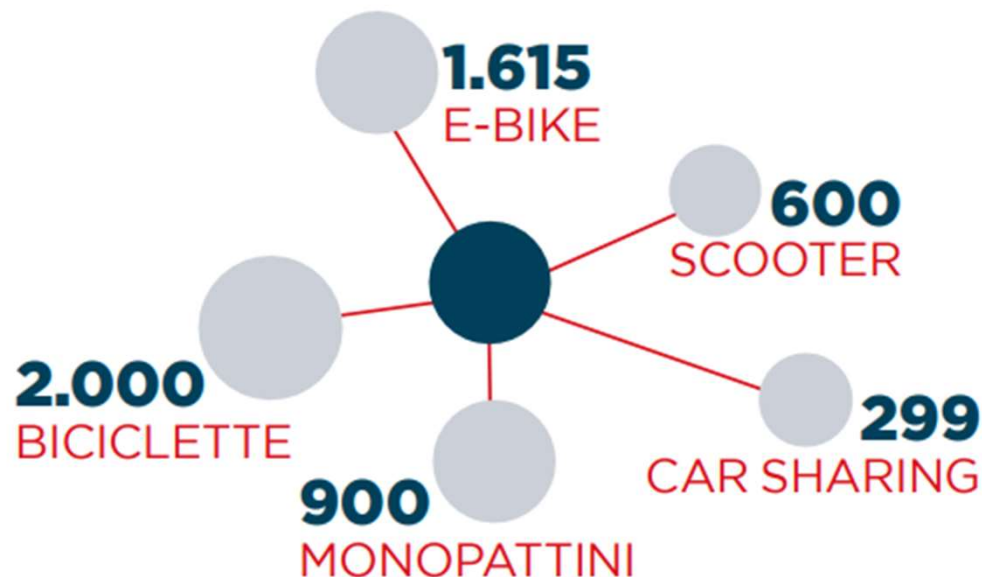


# *The first and last mile: Sharing Mobility System*

The Florence tram system

Since 2021, bike sharing (1.3 M trips / year) has been classified as a public service

**A wide range of choice between sharing services for urban mobility is available to the citizen**





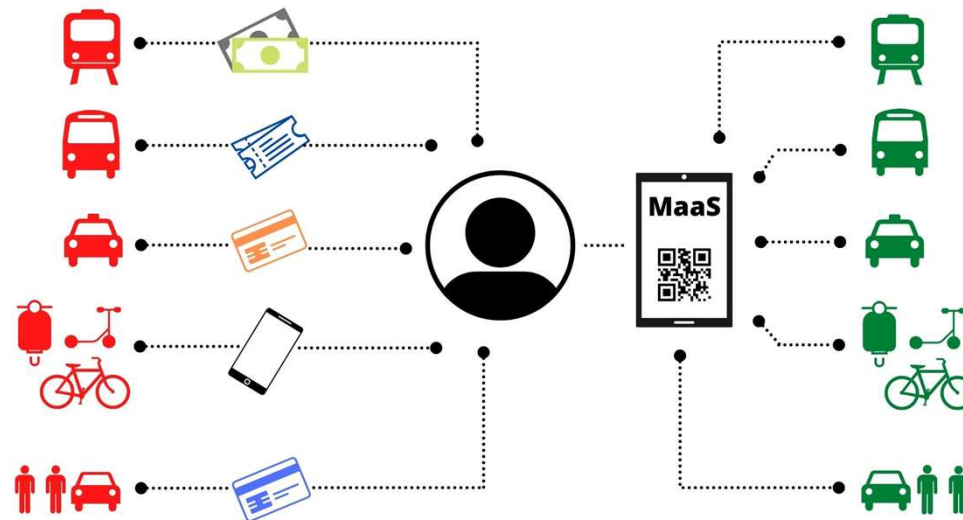
# The path of Florence towards the MaaS "Mobility as a Service"

The Florence tram system

*Florence is among the cities selected for the experimentation of the Maas system, a global concept of mobility that provides for the integration of multiple public and private transport services accessible thanks to a single digital channel or the Infomobility App of the city of Florence  which combines various features and guarantees different travel alternatives for city users.*

## Current situation

Each public transport and sharing operator operates on its own channels, there is no intermodality in the transport solutions. The user must plan the trip in several steps by making separate payments to individual operators, a less convenient solution for the user.



## MaaS System

All you need to move in a single innovative APP for public transport and sharing that adds multimodal travel solutions to information on mobility that can be booked and purchased directly on the App with a single click in the name of sustainability, economic convenience and benefits for users.



# THE TRAM OPERATING SYSTEM

The Florence tram system



*Line T1 Leonardo from Scandicci to Careggi (fully exercise since 16/07/18)*

*Full lenght 11,5 km, with 26 stops*

*Travel time: about 40 minutes*

*Frequency: 4' 20''*

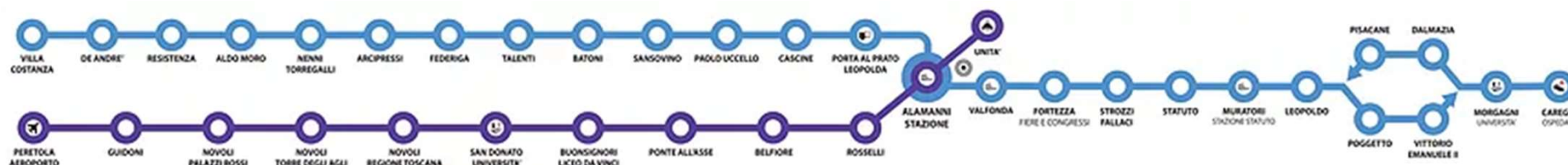


*Line T2 Vespucci from Aeroporto Peretola to Piazza dell'Unità (fully exercise since 11/02/19)*

*Full lenght 5 km, with 12 stops*

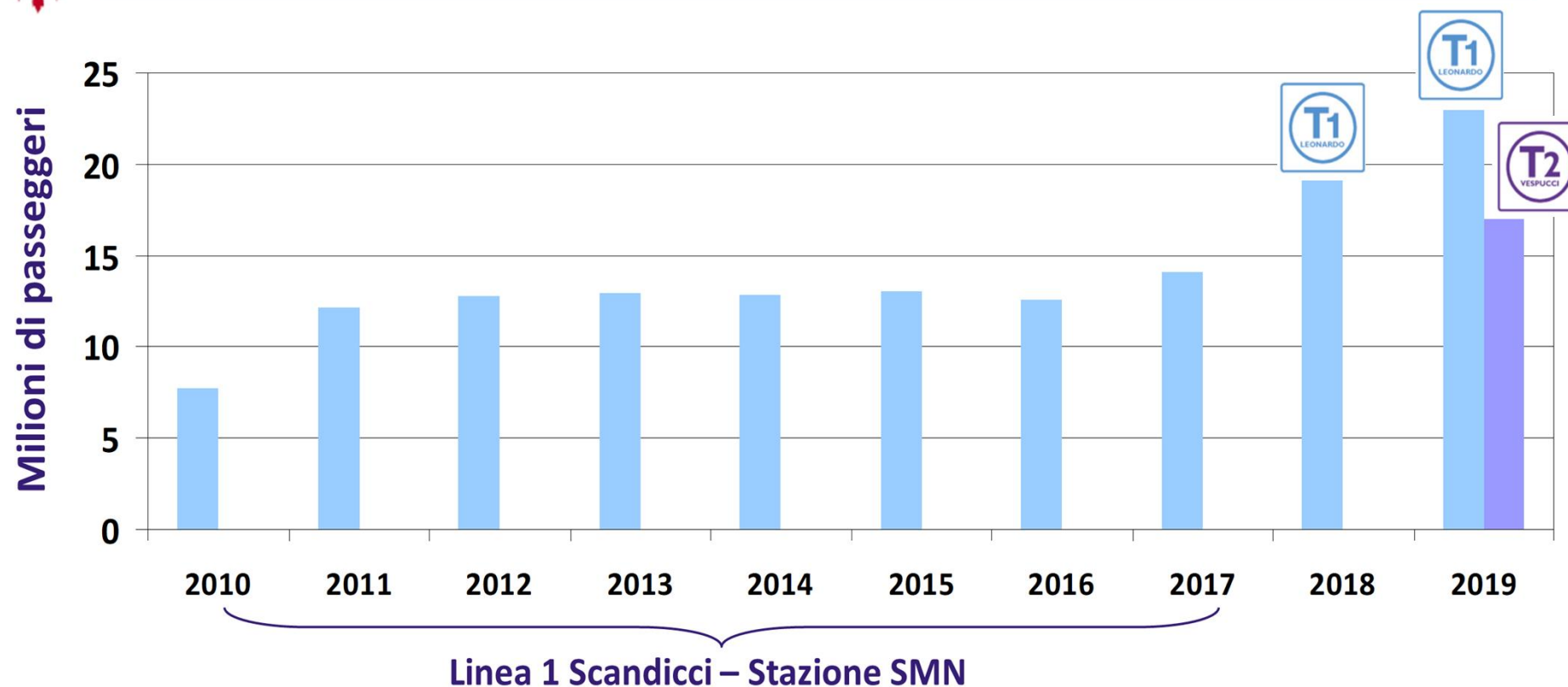
*Travel time: about 20 minutes*

*Frequency: 4' 20''*



# THE TRAM OPERATING SYSTEM

The Florence tram system



## *Passengers*

*Linea 1 → 14 mln pax*

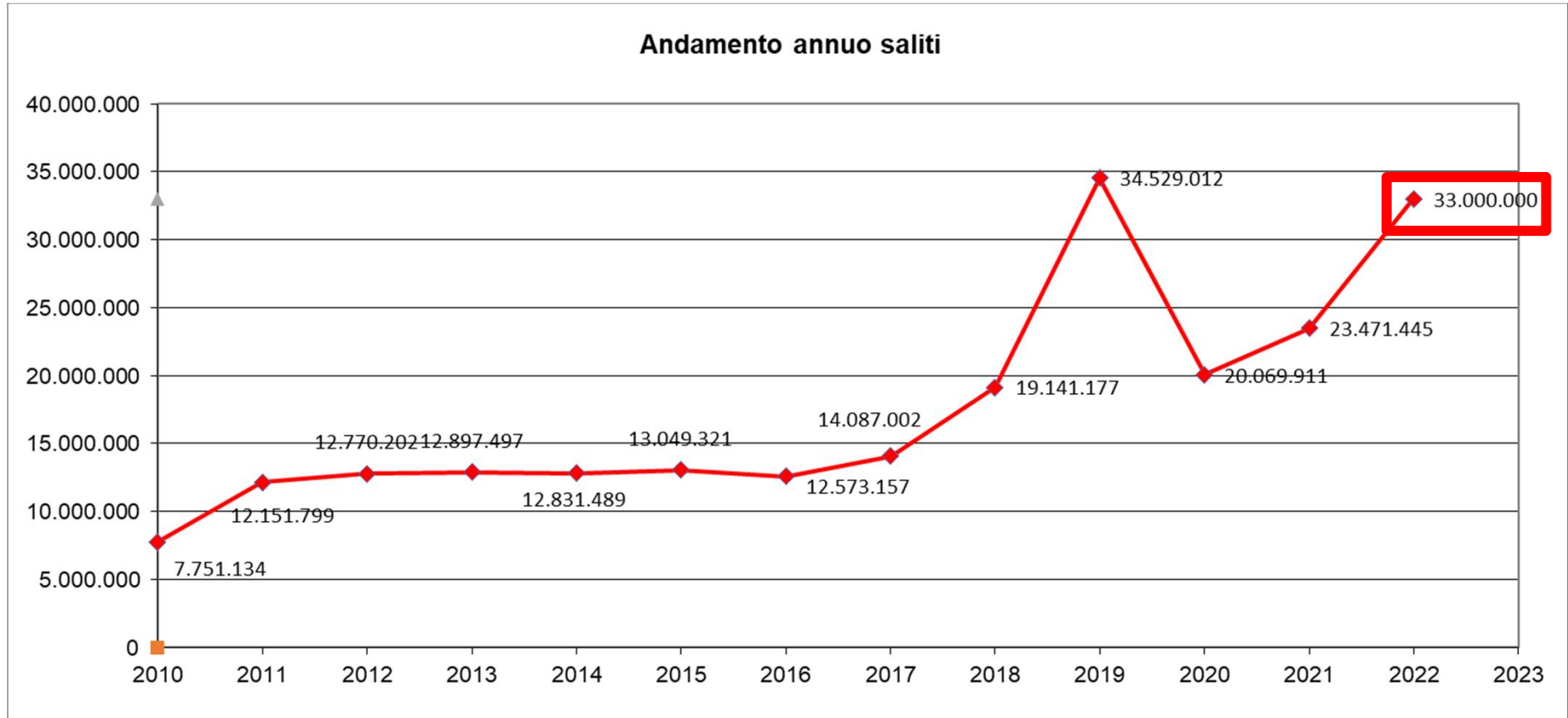
*Linea T1 → 26 mln pax*

*Linea T2 → 10 mln pax*

*Linea T1 + T2 → 36 mln pax*

# THE TRAM OPERATING SYSTEM

The Florence tram system

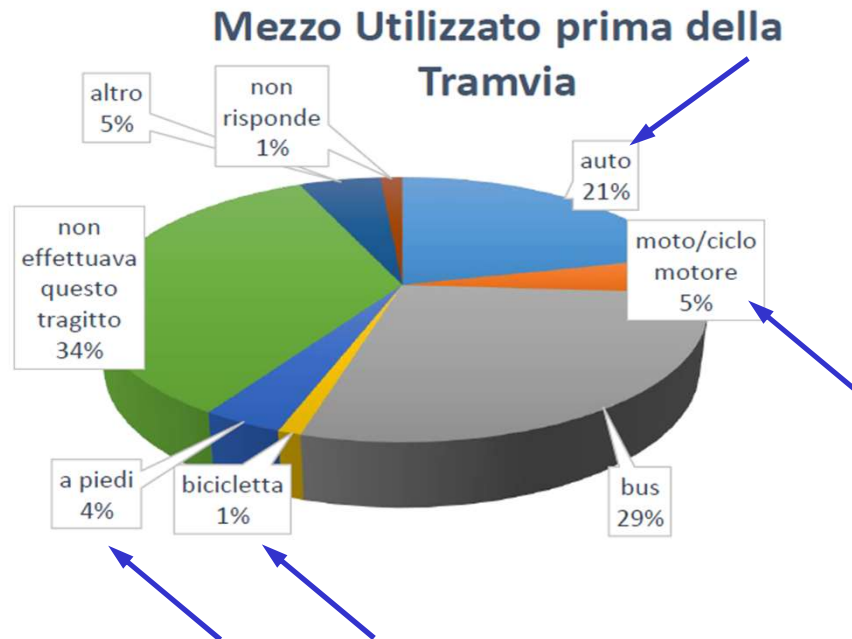


*Annual passengers of the system*



# TRAM SURVEYS

The Florence tram system



**Survey GEST**  
**2019**

*More than 36% of passengers used private means of transport before tram*

**Survey GEST**  
**2018**

*More than 31% of passengers used private means of transport before tram*



**Transport system used before tram**

Thanks for your attention!

- For information on the tram system, visit the page on the Civic Network
  - <http://firenzetramvia.it>
  - <http://mobilita.comune.fi.it/tramvia/index.html>



**TRAMVIA OVUNQUE FIRENZE**

[www.firenzetramvia.it](http://www.firenzetramvia.it)