



CITTÀ DI TORINO



Scenarios of electro-mobility: cross-fertilization and dissemination of best practices and researches within EU policies

WEBINAR

28/05/2020

*City of Venaria vision on E-Mobility - Laura
FERRARIS, Commissario Straordinario, Venaria Reale
Municipality*



VE is part of a big project about sustainable mobility that the City is developing to increase the citizen's welfare. Indeed Venaria Re is making an effort to decrease the air pollution, to improve the safety of the roads and finally to reduce the using of the private car.

At the moment the City is realizing this important projects:

- Installation of e.v. charging columns
- Development of the cycle lane in Corso Garibaldi to facilitate the way to Turin, to Reggia and the towns in Valle di Stura
- Building of a new stretch of the cycle lane in Corso Machiavelli to facilitate the way to Torino and to the cities of the Patto Territoriale
- The project to join to towns in Valle Stura to Venaria and "Parco della Mandria"

In addition, more a lot of projects, for instance Vivo project, have been carried out together with the other cities of the "Patto Territoriale" to promote sustainable mobility, and in particular, the use of bicycles also for the home-to-work transfers.

Another important infrastructure for sustainable mobility is Movicentro project, which is being built to create an important hub to promote the use of the private car, of the bicycle, of the train, of the bus and of the taxi to reach Torino, the towns in Valle di Stura and Torino airport (Mazzini Airport).

During this health emergency a new challenge is born, indeed sustainable mobility themes have become even more urgent so we have to be more aware of the necessity to improve this different way of moving.

At the end of the conference is really important to share all experiences and the results that each partner reached.



First session

STEVE project and its mains

results

Reiner MASSONER, STEVE Lead Partner, Infineon

Dolores ORDÓÑEZ, STEVE Partner, AnySolution S.L., City of Calvià in
house company

Matteo ANTONIOLA, 5T, City of Torino in house company

Diego CIPOLLINA, Città di Venaria Reale

Ursula LACKNER, Mathias FEISBERGER Villach Municipality

*City of Venaria perspectives to develop Maas
system – Roberta CARDACI, Città di Venaria Reale*

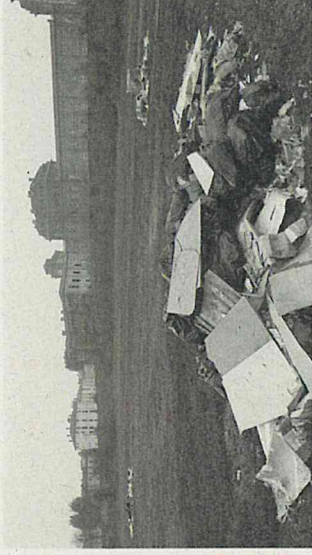
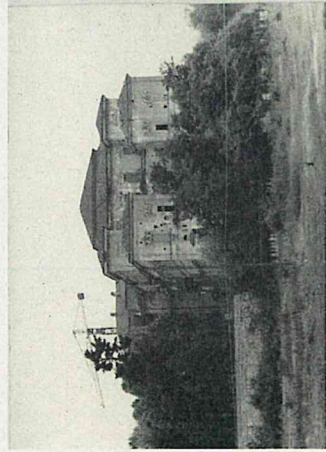
VENARIA REALE CITY OF WATER ART and NATURE

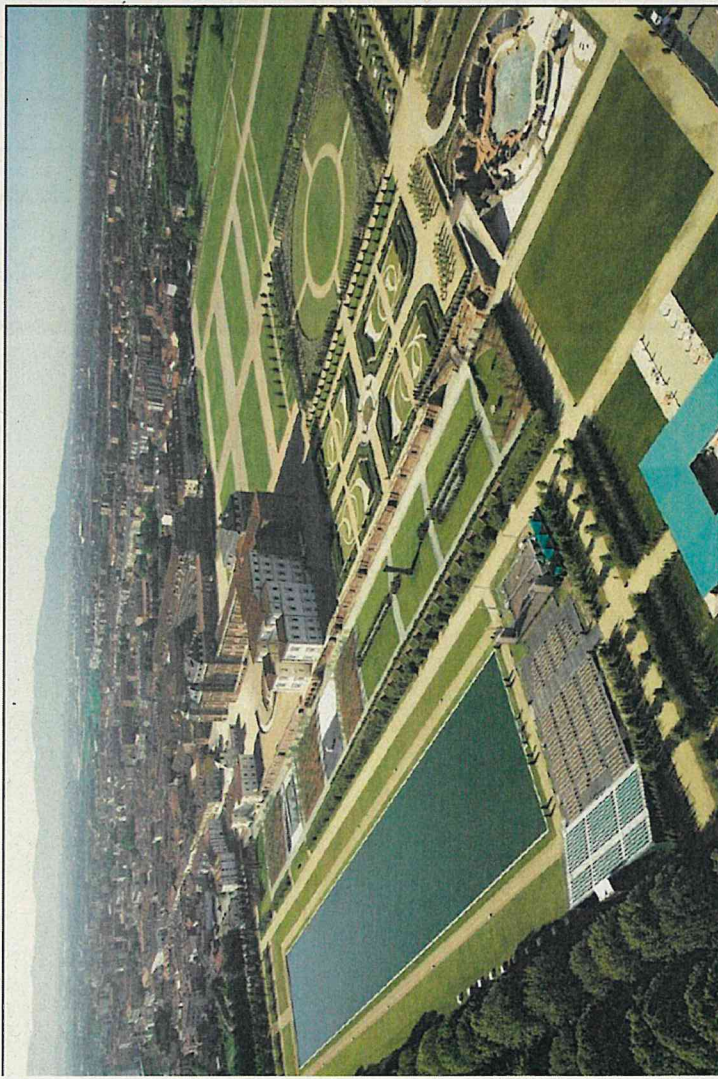
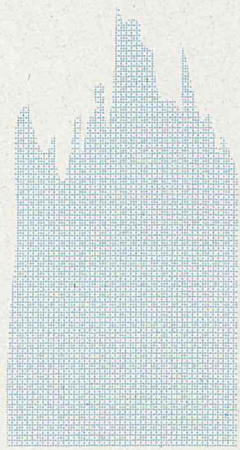
VENARIA REALE IS A MEDIUM TOWN OF ABOUT 34.290 INHABITANTS

THE LANDSCAPE IS A RARE MIX OF WATER HISTORIC SITES AND NATURE WITH TI
SAS A STAGE

IT IS ONE OF THE SAVOY RESIDENCES OUT OF TURIN THAT HAVE A HEYDAY FRO
M TO THE END OF 1700

AFTER THE 1798s WITH THE NAPOLEONIC OCCUPATION VENARIA REALE FACED
A PERIOD OF DECLINE THEN BECAME AN IMPORTANT MILITARY AND INDUSTRI
AL CENTER





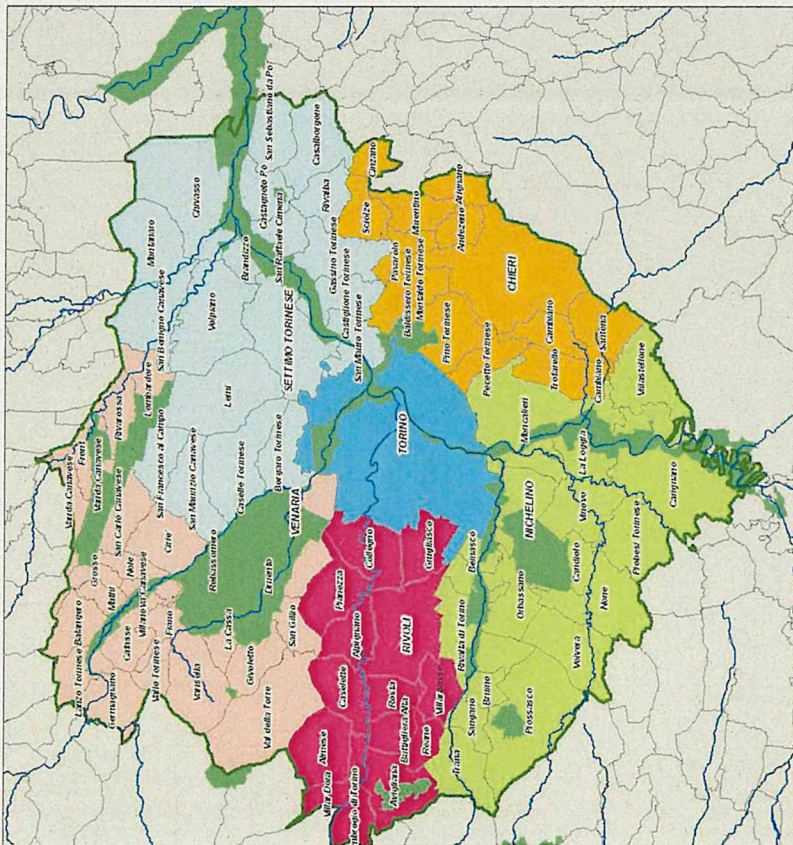
IA REALE IS THE GATE FOR TURIN



THE GARDENS AND PARK LA MANDRIA AND THE MOUNTAIN

2006 THE CITY OF VENARIA REALE SIGNS THE AGREEMENT TO THE EUROPEAN PROJECT CORONA VERDE GREEN BELT OF TURIN

MASTERPLAN OF THE PROGRAM PROVIDES THE EMPOWERMENT OF THE OF THE CULTURAL AND LOGICAL CORRIDORS – NETWORKS OF GREENWAYS AND CITIES



CORONA VERDE 2
Ambiti di integrazione

5 Febbraio 2010

- CHIARI - Area EST
- SETTIMO T.S.E. - Area NORD
- VENARIA - Area NORD OVEST
- NICHELINO - Area SUD
- RIVOLI - Area OVEST
- TORINO
- Corona verde 2
- Aree Naturali Protette
- Idrografia



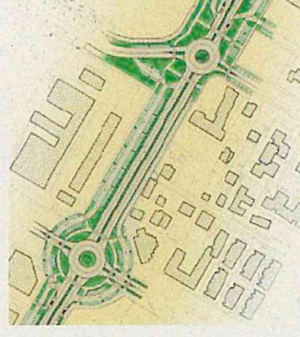
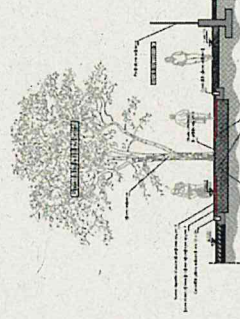
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LTS AND MAIN ACTIVITIES

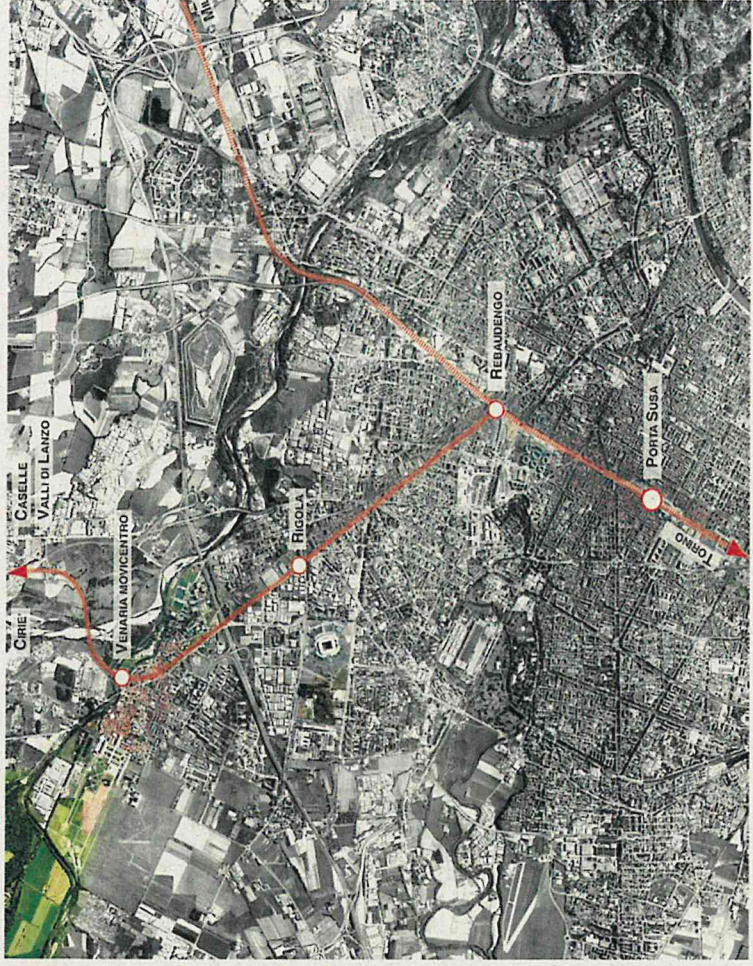
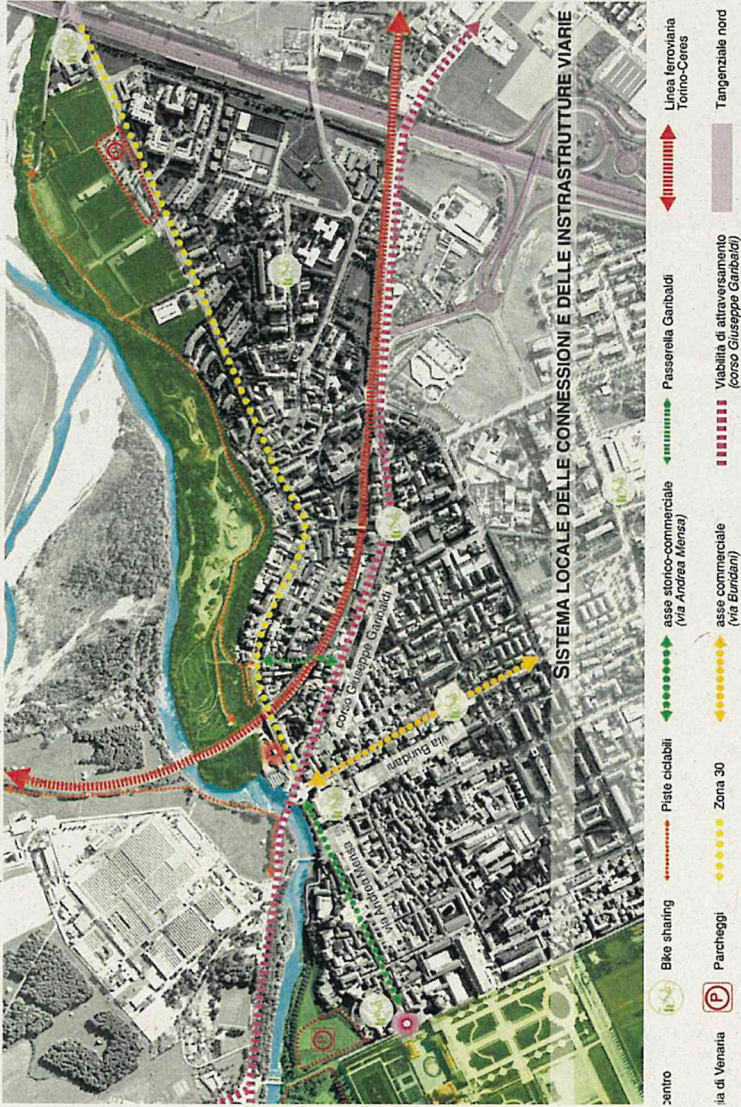
OBJECTIVE MEASURE FOR SUSTAINABLE MOBILITY IN VENARIA REALE

1. TAKE PART TO THE IMPLEMENTATION OF NEW SUSTAINABLE MOBILITY PLAN OF THE METROPOLITAN AREA
2. PROMOTING AND IMPROVING PUBLIC URBAN TRANSPORT SYSTEM
3. INTRODUCING TRAFFIC CALMING ACTIONS AND 30 ZONE STRATEGY
4. FOSTERING CYCLING AND WALKING TO SUPPORT WELLNESS
5. EMPOWER PARKING MANAGEMENT
6. EMPOWER TRAFFIC MANAGEMENT TO IMPROVE AIR QUALITY AND REDUCE NOISE
7. SUPPORT ELECTRIC MOBILITY AND MICRO MOBILITY
8. SUPPORT SHARING PHILOSOPHY
9. IMPROVE ACCESSIBILITY TO THE HISTORICAL VALUES OF THE CITY WITH GREEN MOBILITY FOR ALL INCLUDING ELDERLY AND DISABLED PEOPLE
10. PUBLIC CAMPAIGNS TO PROMOTE SUSTAINABLE BEHAVIOUR ENGAGING STAKEHOLDERS TO ACTIVATE ALL TOGETHER



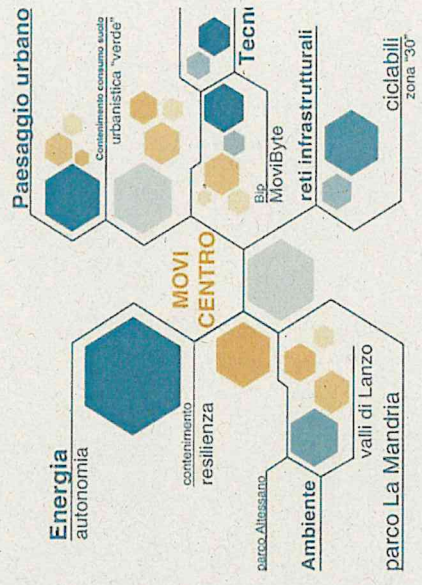
PLACES AND MAIN ACTIVITIES

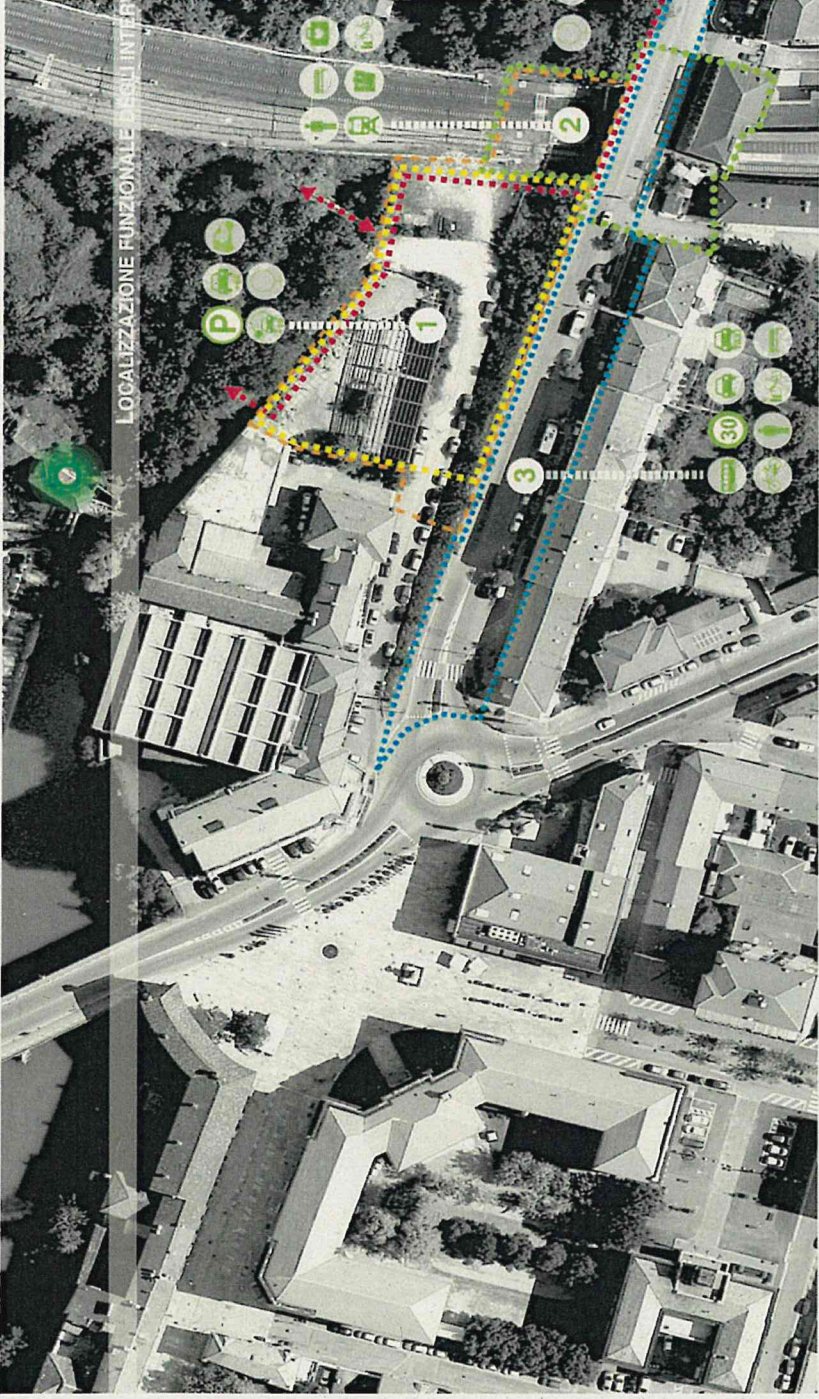
VICENZA CENTER VENARIA REALE PROMOTING AND IMPROVING GREEN PUBLIC URBAN TRANSPORT SYSTEM



"VICENZA CENTER" IS AN INNOVATIVE HUB TO SUPPORT GREEN MOBILITY NOW UNDER CONSTRUCTION WITH THE SUPPORT OF THE REGIONAL GOVERNMENT - BUDGET EUROS 4.900.000. ONE OF THE MAIN STATIONS ON THE METROPOLITAN RAILWAY SYSTEM CONNECTING THE CENTRE OF VICENZA WITH THE AIRPORT AND THE AIRPORT

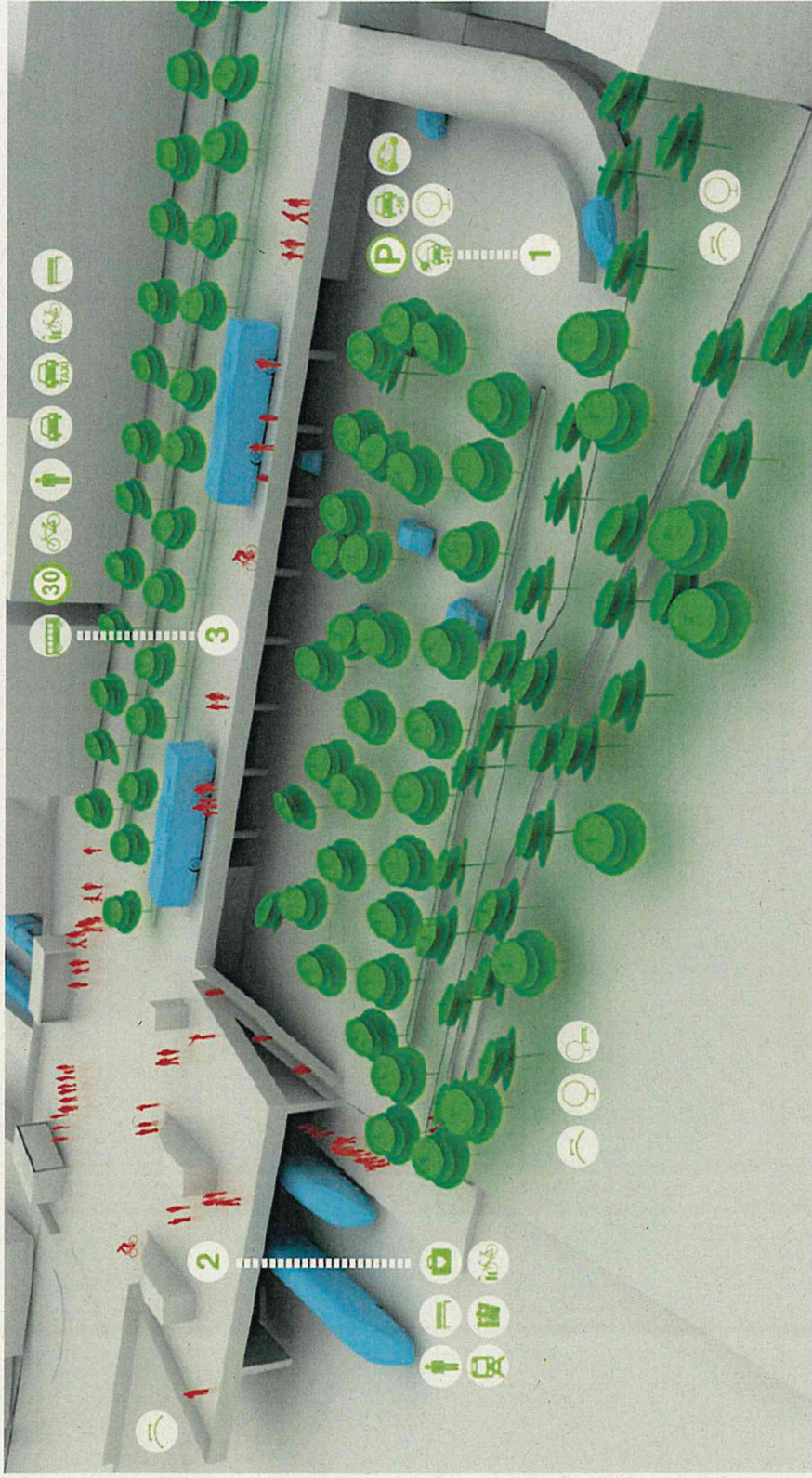
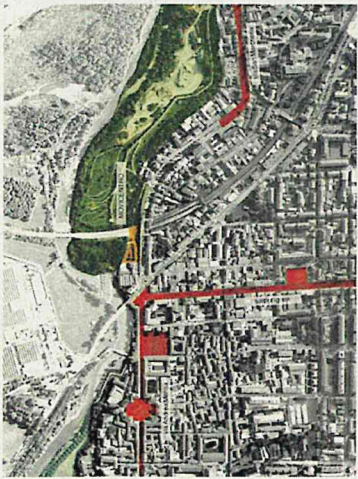
Movicentro ensure mobility in the same place two years the trains S (TURIN – AIRPORT LAN VALLEY) connecting Venezia with the main Station of Turin in 15 minutes passages every 15 minutes acting like a light metro: this will change CI mobility assets





- Percorsi pedonali
- Zona 30
- Percorsi disabili
- Bike sharing
- Parkigiro di interscambio
- Parkigiro auto
- Parkigiro auto elettrico
- Car sharing
- Stazione ferroviaria
- Stazione autobus
- Parkigiro taxi
- Distribuzione automobili
- Commissariati altri ambienti
- Ambiti di fruizione del paesaggio
- Ambiti di fruizione urbana
- Attività commerciali
- Aree verdi
- Casa sul fiume

THE DIFFUSE STATION IN THE PARK AND REGENERATE AREA INTEGRATED WITH THE VITTORIO VENETO SQUA THAT IS THE GATE TO THE HISTORIC AREA



- Percorsi pedonali
- Zona 30
- Percorsi ciclabili
- Bike sharing
- Parcheggio d'intercambio
- Parcheggio auto
- Parcheggio auto elettrico
- Car sharing
- Stazione ferroviaria
- Stazione autobus
- Parcheggio taxi
- Biblioteche automatiche
- Connessioni con altri ambiti
- Ambiti di fruizione del paesaggio
- Ambiti di fruizione urbana
- Attività commerciali
- Area verdi

THE PROJECT: NEW STATION - SHOPS- PEDESTRIAN LANES WITHOUT BARRI
 ZONE 30 - PARK FOR 60 CARS - 12 EQUIPPED PARKS FOR EL-V - TAXI LAN
 SCOOTERS PARKS - ACCESS TO THE PARK - BUS STOP - KISS AND RIDE A
 NEW PUBLIC SPACES NEW ACCESSES TO PARK -BUS STOP FOR METROPO
 PUBLIC TRANSPORT AND BUS FOR THE LANZO VALLEY

PLANS AND MAIN ACTIVITIES

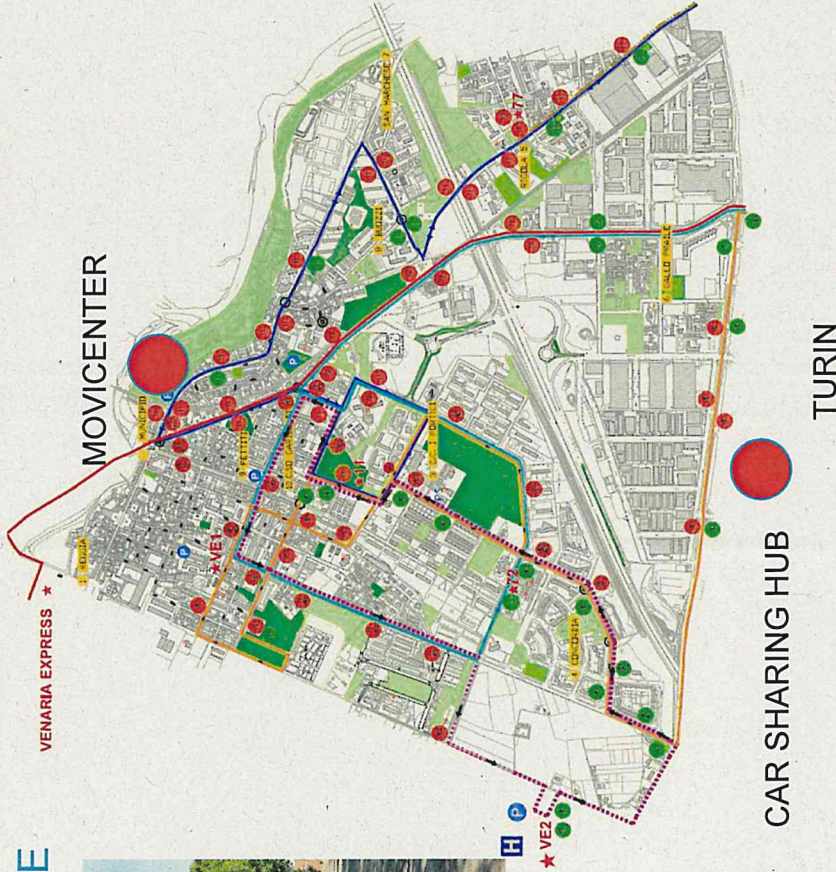
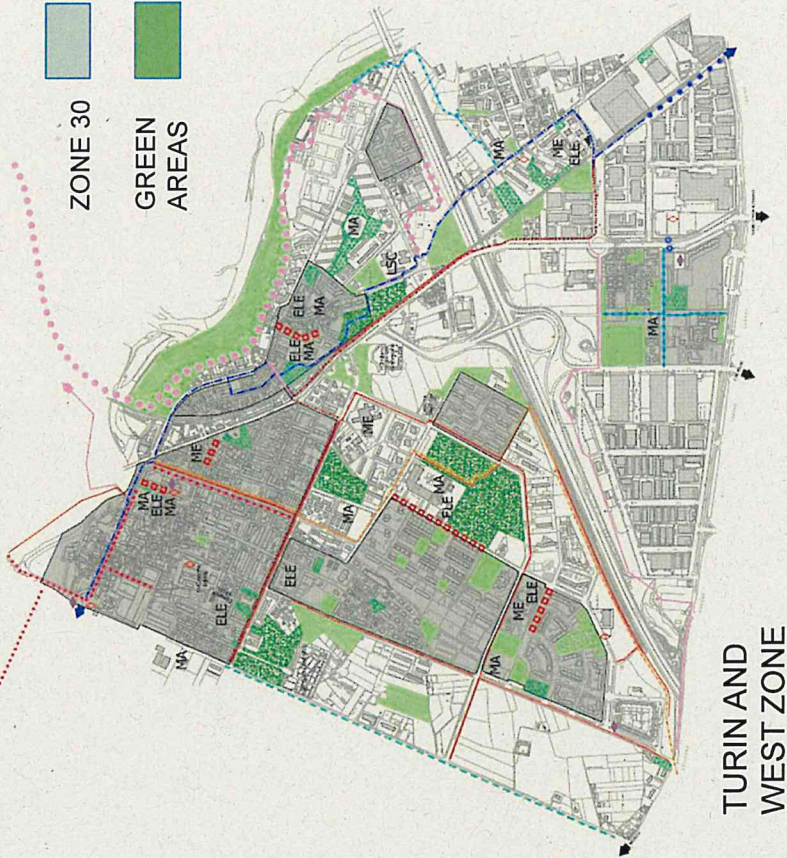
IMPLEMENTATION OF BUS LINES AND EMPOWERMENT OF CITIZENS ACCESSIBLE TO ALL WITH PARTICIPATORY BUDGETING (PB) democratic process in which community members decide how to spend part of a public budget.

IMPLEMENTATION OF BIKE AND CAR SHARING IN THE METROPOLITAN AREA

NEW ELECTRIC BUS LINES INTRODUCED IN 2018 AND ELECTRIC BUS LINES FOR 50 CITIES INTRODUCED ON VE1 LINE



THE CYCLE LINES SYSTEM CONNECTS THE METROPOLITAN AREA
 TURIN CYCLE PLAN - VE.LA AND STOU
 GREENWAYS
 30 ZONES AND TRAFFIC LIMITED AREAS
 WALK LANES BETWEEN SCHOOLS PARKS
 PUBLIC



TURIN

TURIN

PLTS AND MAIN ACTIVITIES

COMPETITIVE PROCEDURE TO PROVIDE ECONOMIC OPERATORS TO INSTALL AND MANAGEMENT CHARGING STATIONS FOR ELECTRIC VEHICLES

According to the disciplinary of Piedmont Region, metropolitan City of Turin, 5T, City of Turin published in 2018



2018 WAS PUBLISHED THE CALL FOR TENDERS ON CITY WEBSITE

COMPANIES EXPRESS THEIR INTEREST TO JOIN

THE CITY PREPARED THE PROJECT IN 2019 START FROM THE TENDERS PROPOSALS

IN MAY 2019 THE PLAN WAS APPROVED WITH THE TECHNICAL SPECIFICATIONS AND THE LIST OF THE SITES

IN OCTOBER 2019 A NEW PUBLIC CALL OF PROPOSAL WAS PUBLISHED FOR 30 DAYS

IN APRIL 2020 WAS DECLARED THE COMPANY ALLOWED TO SET THE STATIONS IN THE CITY

THE COMPANY WILL PROVIDE AN EXECUTIVE PROJECT TO BE APPROVED BY THE CITY BEFORE START WORKS

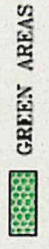
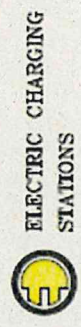


POINTS AND MAIN ACTIVITIES



ELECTRIC CHARGING STATION

POSITION IN THE CITY

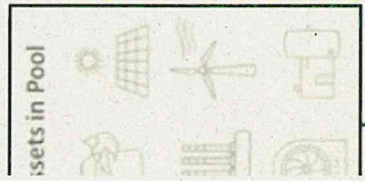
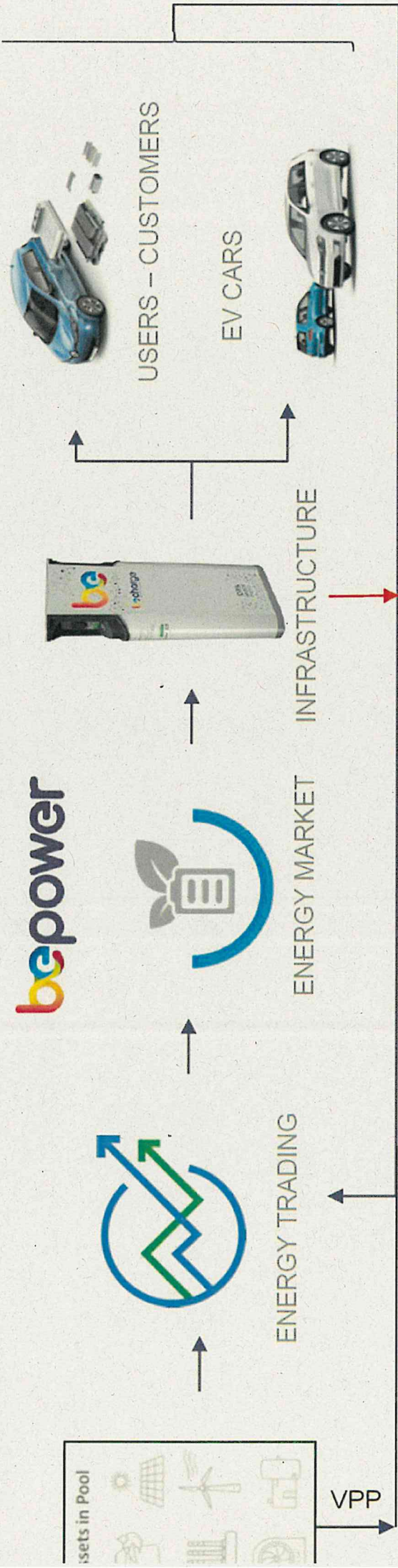


AREA	NUMBER OF ELECTRIC CHARGING STATION	NUMBER OF GREEN AREAS
MUNICIPALITY OF VENARIA	3	6
MOVICENTRO	6	11
EX POSITO VENARIAN	3	4
HOSPITAL	4	8
EX POSITO STADIAN	4	8
PARK LETTI	2	4
PARK MARKET DE GASPARI	2	4
PARK HISTORIC CENTER	2	4
PARK MARKET SANI	2	4
HAUSE	2	4
CONDOMINIUM AREA	2	4
GALLOFRATE	2	4
Totals	31	62



RESULTS AND MAIN ACTIVITIES

INFRASTRUCTURE IS EMPOWERED WITH CLEAN ENERGY



VPP

ENERGY TRADING

ENERGY MARKET

INFRASTRUCTURE

USERS - CUSTOMERS

EV CARS



A Be Power Company

JACK
1.5 kW AC



Areas

FAST
Up to 75 kW DC



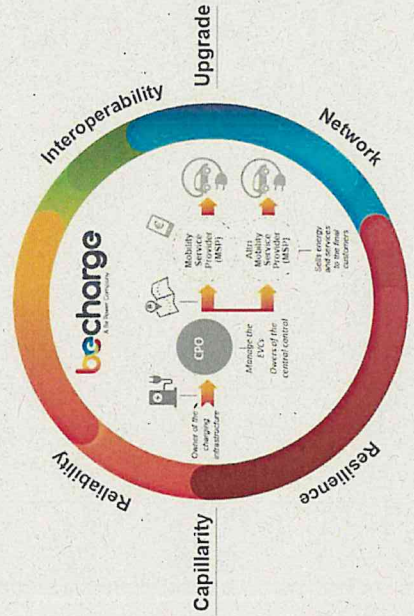
HYPER
Up to 300 kW DC



Areas beyond city's borders and strategic urban locations



A Be Power Company



becharge
E-mobility infrastructure operator

4energia
Advanced energy trading demand response

Long term financing for EVC network infrastructure development

Investment Bank The City Bank

PLACES AND MAIN ACTIVITIES

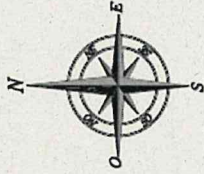
PRESENTATION OF THE ELECTRONIC GATES
CONTROLLING ALL THE ACCESS OF THE CITY

PLACES INSTALLED

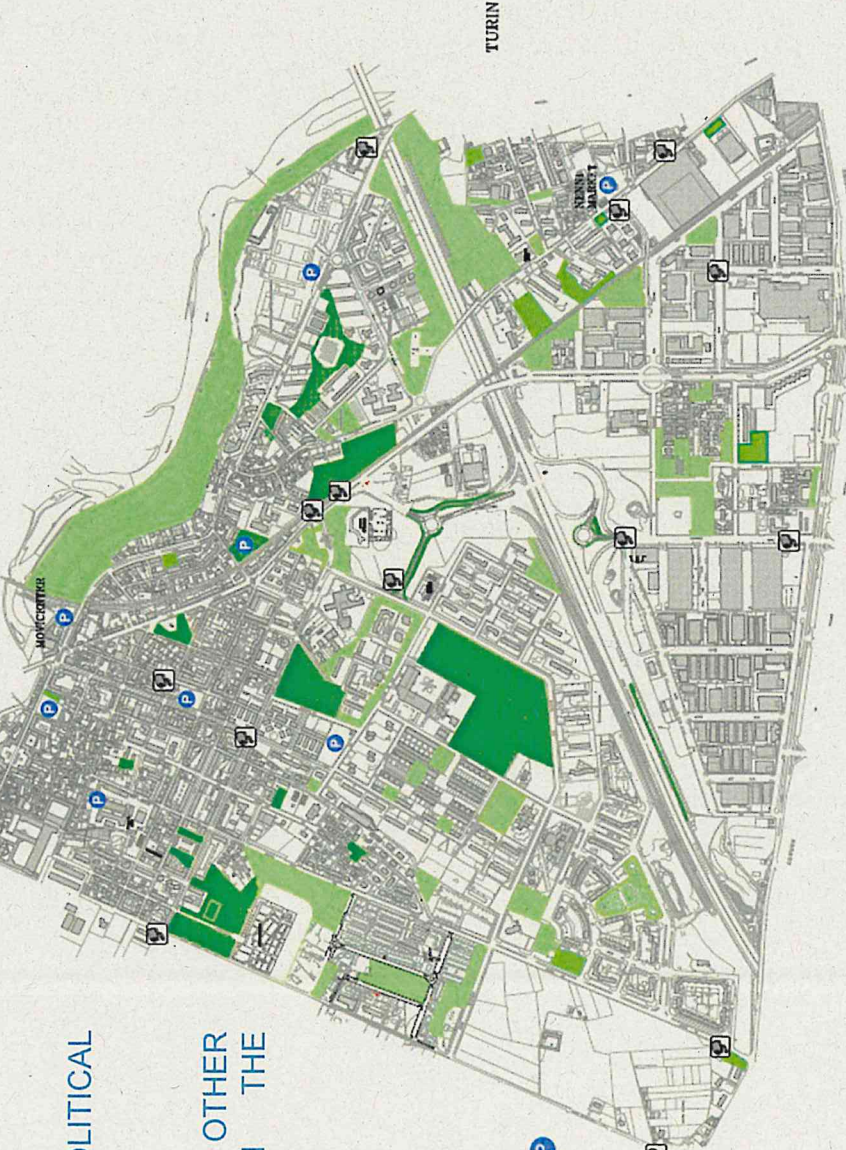
PLACES

ANALYSIS SUPPORTING POLITICAL
DECISION

THE SYSTEM CAN BE IMPLEMENTED WITH OTHER
TO SUPPORT DECISIONS IN THE
ADAPTABLE MOBILITY PLANS LAYOUT



LA VENARIA REALE



HOSPITAL

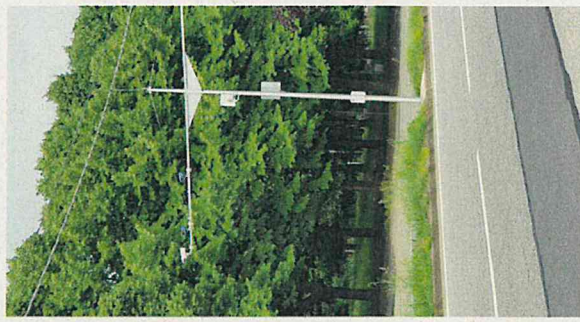
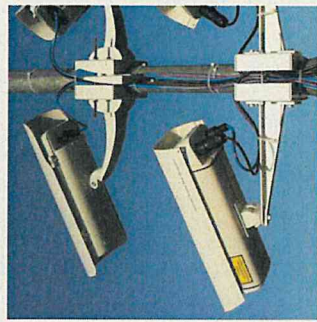
TURIN

TURIN

JUVENTUS STADIUM



ELECTRONIC GATE
POSITION IN THE CITY

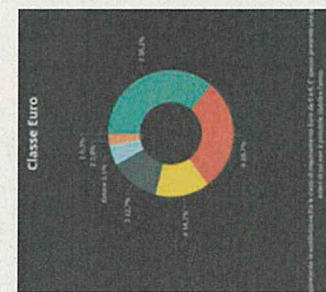
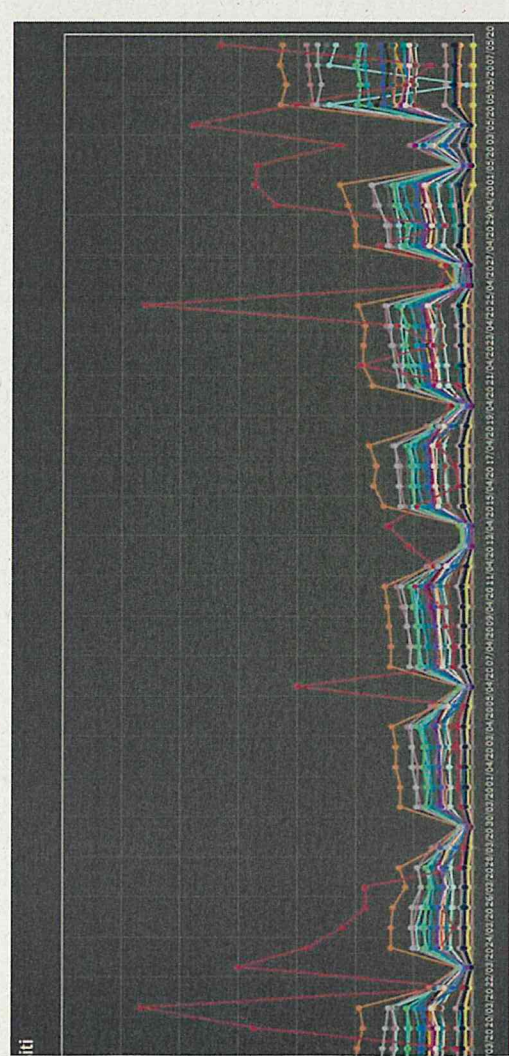
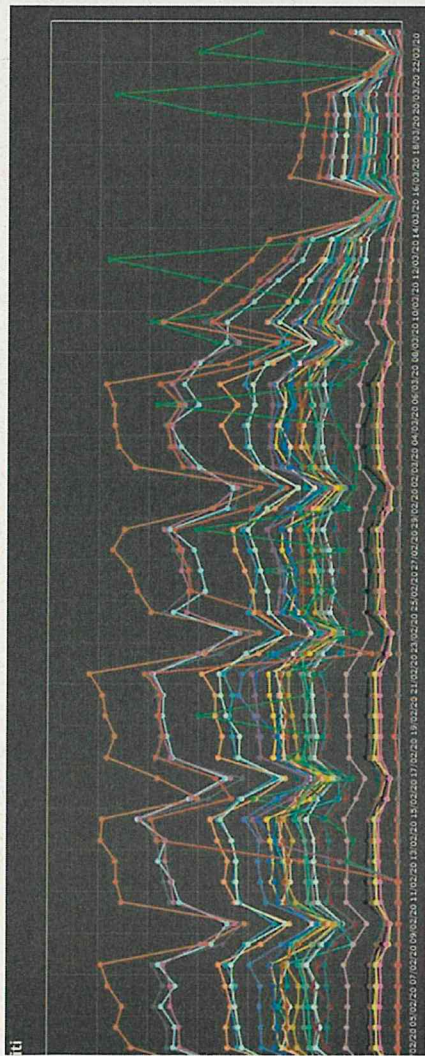


AND MAIN ACTIVITIES

STATISTIC REPRESENTS THE AMOUNT OF PASSAGES RELATED TO THE COVID 19 CRISIS DUE TO THE LOCKDOWN WE CAN SEE THE DATE AND NUMBER OF PASSAGES

SYSTEM RECOGNIZED THE EURO CLASS OF THE VEHICLES

1000 PASSAGES SINCE THE SYSTEM WAS SET IN 2017 SAME VEHICLE TRANSIT IS IMPORTANT TO ANALYZE THE NON - RESIDENTS PASSAGES



RESULTS AND MAIN ACTIVITIES PARKING FOR FEE ZONES

PARKING PAYMENT MACHINES INSTALLED IN 2017 AND NEW APP FOR PAY WITH DEVICES

IN 2018 IN THIS AREAS PARKS IS FOR FREE FOR ELECTRIC CARS



- EASY TO USE
- FLEXIBLE PAYMENTS ALSO APP
- EASY CHECKING SERVICE REMOTE
- INTEGRATION WITH URBAN PLACES
- ENVIRONMENTALLY FRIENDLY
- SOLAR PANEL POWER SUPPLY

VO : Via le Vetture dalla zona Ovest di torino

Away the cars from the West Zone of Turin.
17,7° national competition



ELECTRIC CYCLES

- ✓ Budget: € 45.000
- ✓ Call now available
- ✓ Beneficiary: residents and workers in Zona Ovest

CONTRIBUTION TO BUY CYCLE

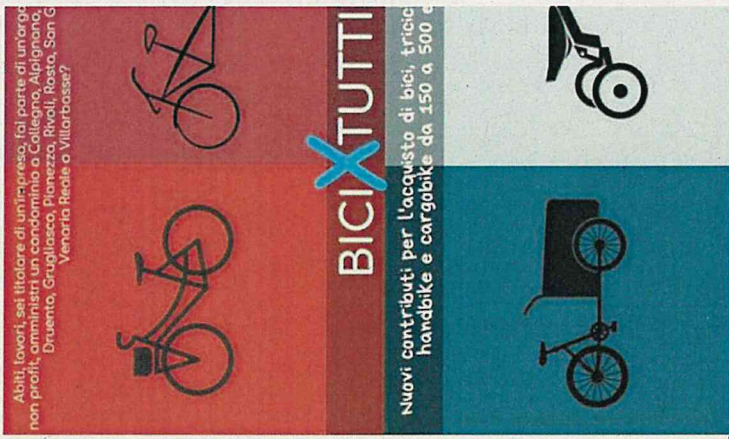


#BICINTASCA (folding bikes + bus pass for public transports)

- ✓ Budget: € 45.000
- ✓ Call now available
- ✓ Beneficiary: residents and workers in Zona Ovest

ViVO

zona ovest torino



#BICI FOR ALL

- To buy cycles, tricycles, cargobikes, tandem, handbikes
- ✓ Budget: € 45.000
- ✓ Call now available
- ✓ Beneficiary: residents and workers in Zona Ovest

**CHALLENGE FOR THE NEXT 10 YEARS
(S.U.P. METROPOLITAN CITY OF TURIN ACTIONS)
MEASURE FOR ELECTRIC MOBILITY IN VENARIA REALE SUPPORTED BY THE STEVE EXPERIENCE**

1. SUPPORT ELECTRIC MOBILITY AS ONE OF THE BEST ACTION AGAINST TRAFFIC POLLUTION AND NOISE:

- develop the infrastructure by improving coverage of charging areas both in private and public spaces
- empowering all the electric sharing system with the metropolitan area
- supporting dissemination of best practices
- joining others initiatives to support the investments.

2. BOOSTING ELECTRIFICATION IN WASTE COLLECTION SERVICES AND TRANSPORTS

3. INTRODUCING THE POSSIBILITY FOR ALL TOURISTS TO USE EL V's and electric micro mobility to visit the UNESCO SITES that have an extension of 3 km, 6 km including the whole park

