CiVITAS FORUM 2014
CIVITAS ANNUAL CONFERENCE | 23-26 SEPTEMBER 2014 | CASABLANCA

Walking and cycling in Donostia/San Sebastián:

The TIDE project and public electric bike sharing

TIDE
Transport Innovation Deployment for Europe

25th of September 2014

Casablanca

Fermín Echarte Peña, Ayuntamiento Donostia / San Sebastian

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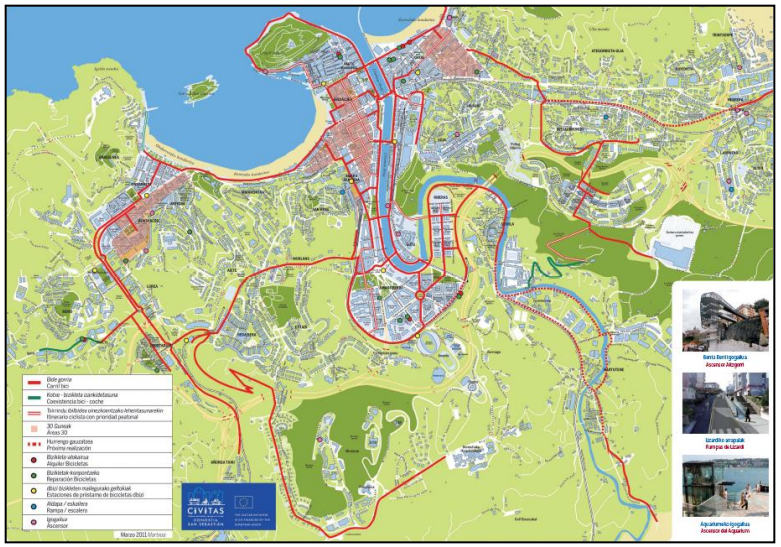
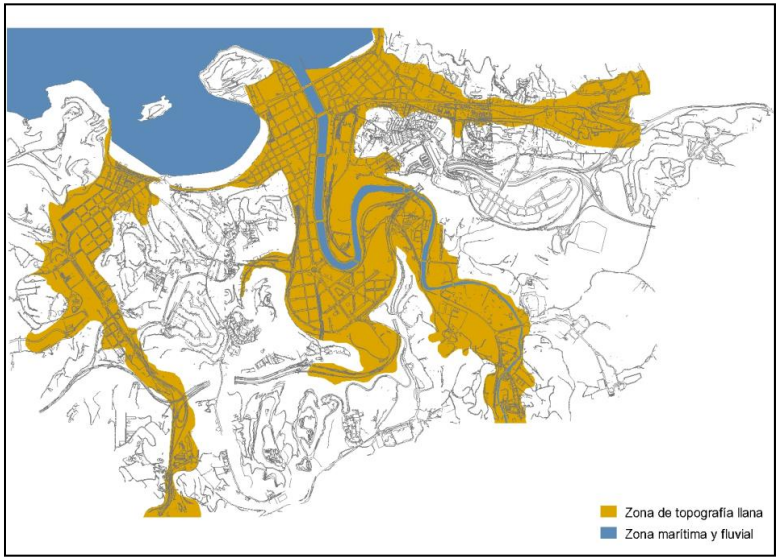
Background to the city

- The city of Donostia / San Sebastian in the Basque Country. Border with France
- 185,000 inhabitants.
- 485.000 inhabitants in the metropolitan area
- **50 % of population lives in flat areas and 50 % in hilly areas**
- **20 years policy in favour of pedestrians, bicycles and public transport.**





Background to the project

TIDE Transport Innovation Deployment for Europe

INNOVATIVE MEASURES

TRANSFERABILITY METHODOLOGY

CLUSTE 2: NON MOTORIZED TRANSPORT

DSS LEADING CITY

BICYCLE PARKING SCHEME

CREATING FRIENDLY SPACES FOR CITIZENS

Background to measures

TIDE
Transport Innovation Deployment for Europe

TIDE: Innovative measures in DSS:

1. Bicycle parking in underground car parkings
2. Creating friendly spaces for people

OTHER

3. Public **e-bike** sharing system

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Bicycle parking in underground car parkings

Problems

1.- Before 2010: no bicycle parking spaces

Older buildings: no lifts, not accesibility, no space….
RESIDENTS BICYCLES IN THE RACKS IN THE STREET DAY AND NIGTH > LESS SPACE FOR OTHER USERS & ABANDONED BIKES
Commuters do not have space to park their bikes
Stolen bicycles
Visual impact
More racks more pedestrian areas occupied
Not space to park the bike during summer and big events in the city

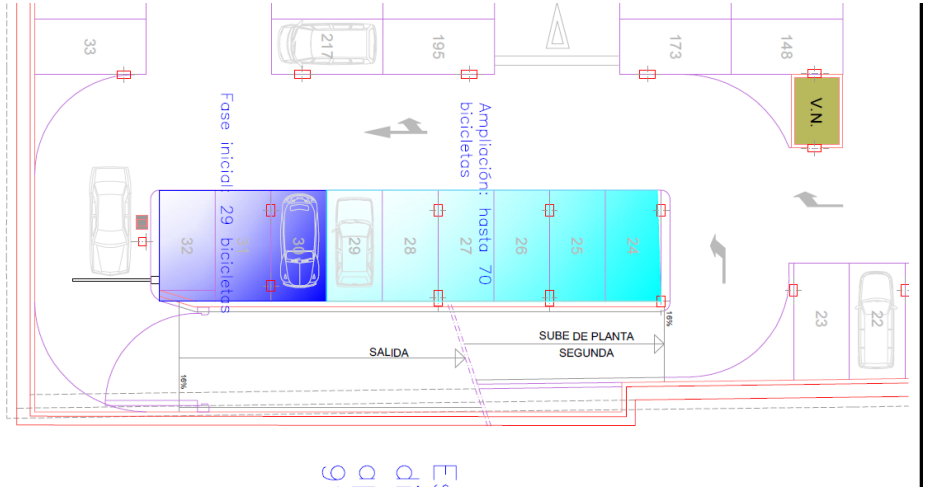
Control de bicicletas de la Zurriola (16/07/2014).

Aparcabicis: 264
Barandilla: 164
Árboles: 243
Mobiliario Urbano: 83

Financial studies

Bicycle parking in underground car parkings

Location and spaces



Surveys and counting

Cervantes:12 (12 €) 21 (5€)
Cataluña: 34 (12€) 61 (5€)

Start-up

December 2014 due to legal problems.

BARRIERS AND DRIVERS

- Barriers

  Economical situation
  Legal problems
  Investment
  Technical difficulties

- Drivers

  Political support
  Citizens needs for bicycle parking
  European project

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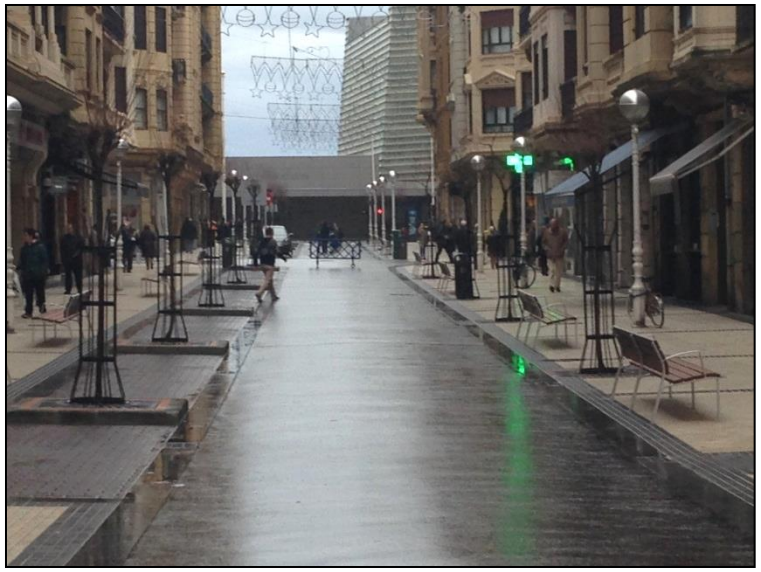
BEFORE

AFTER



Peña y Goñi Street

300.000 €

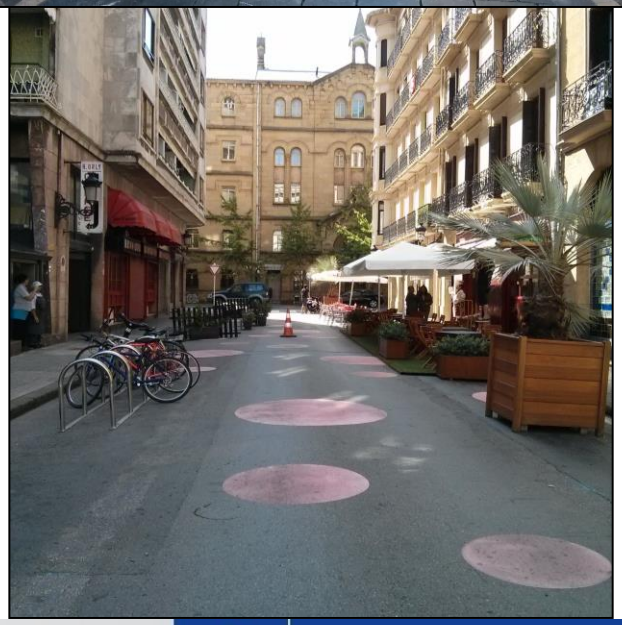
Creating friendly spaces for people

- **San Francisco Street**
  10.000 €

BEFORE

AFTER

Blas de Lezo
15.000 €



GOOD LESSONS AND BAD LESSONS

GOOD LESSONS

- Low cost
- Reversible
- Good aceptance
- Friendly
- Easy

BARRIERS

- Design
- Color of the asphalt
- Different levels. Stairs
- Noise
- Car parking

FUTURE PLANS

Public **e-bike** sharing system

BACKGROUND TO THE MEASURE

Cost for users

- Cost: 20 €/year. First hour free. Second: 1€ Third: 3 €

Infrastructure

- 9 dispatch points
- 191 dispatch points.
- 150 new public bicycles

Users card

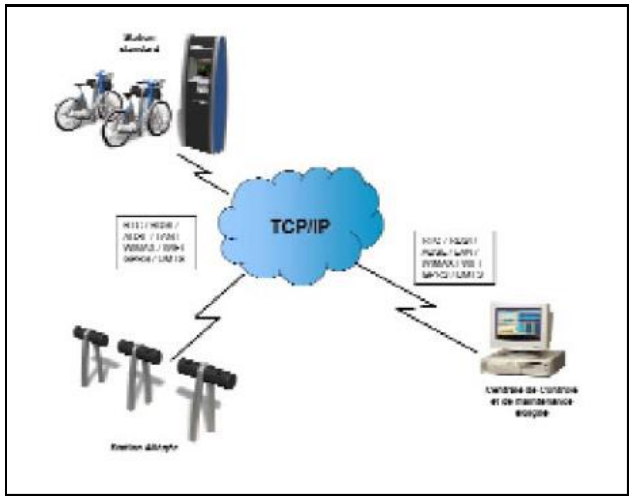
- The system is managed automatically using a membership card system.

Software to manage

- Software to manage the system and collect data to make evaluation of the system.

People working and installations

- Managed by CEMUSA (Publicity company)
- 2 vans and 6 people.



GOOD LESSONS AND BAD LESSONS

Good lessons

- Analysis of the location and dimensioning the service
- Intermodality
- First hour free
- Service for tourists

Bad lessons

- **Funding**
- **Hilly Areas**
- Limitation on the number of users
- **Hours of use of the service**

OBJECTIVE OF THE INNOVATIVE MEASURE

- **NOT PUBLIC FUNDING: PUBLICITY AND USERS INCOME**
- **INTRODUCE THE BICYCLE IN HILLY AREAS (VERTICAL TRANSPORT + MINIBUSES)**
- **REDUCE DE COST OF REDISTRIBUTION**
- Better service for citizens
- Reduce the car and motorcycles in the city

GOOD THINGS

- Not just publicity companies interested
- Mobility managing companies interested
- Investment at the start of the service to recover the investment fast
- Good service to have more users - more money.

Public **e-bike** sharing system

CURRENT SITUATION. First 12 stations

Cost for users

- Cost: 45 €/year. First 20 min free
- 6:30 to 23:00 (00:00 in summer)

Infrastructure

- 12 Stations
- 100 ebikes

Users card

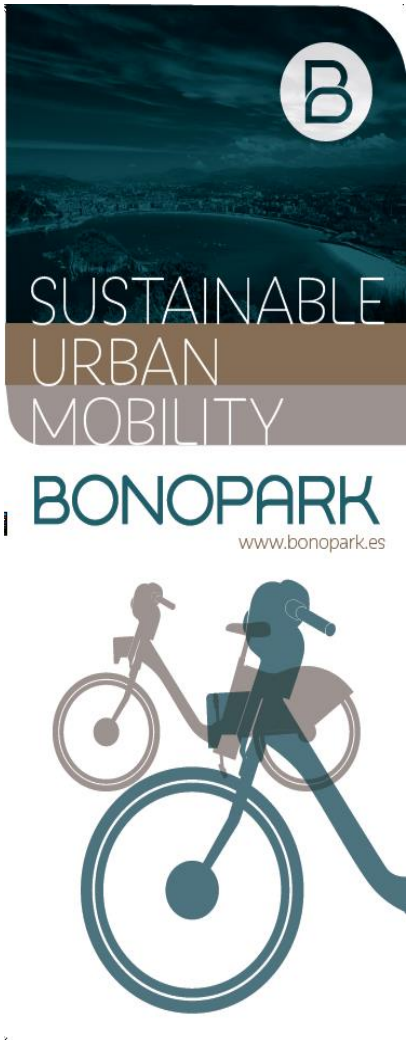
- The system is managed automatically using a membership card system or MUGI

Software to manage

- Software to manage the system and reduce redistribution
- GPS in bike. Data + security
- Mobile software

People working and installations

- Managed by BONOPARK (Mobility company)



Public **e-bike** sharing system

CURRENT SITUATION. First 12 stations

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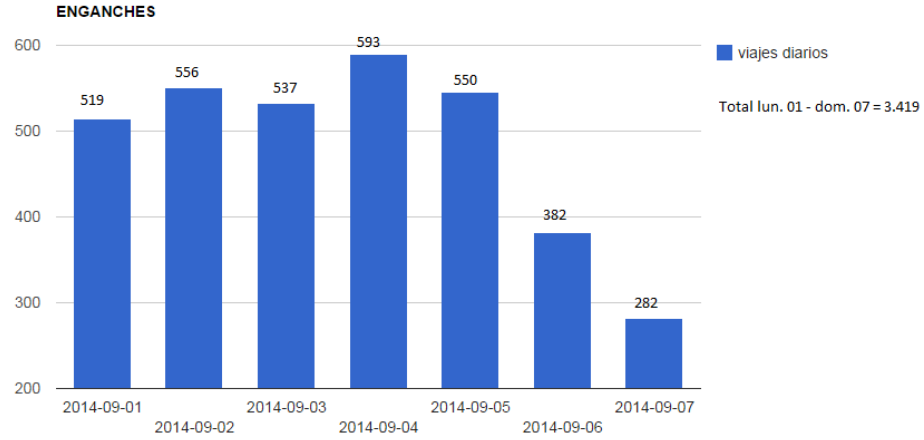

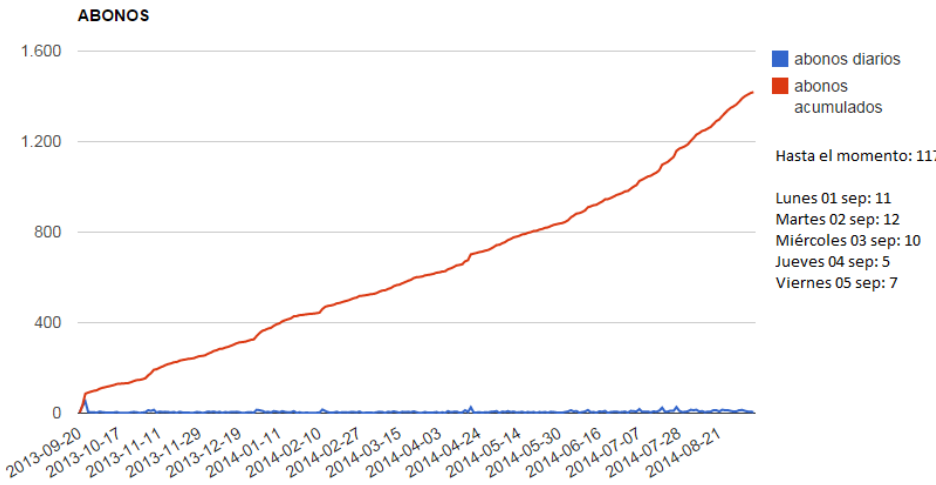

- Highest day of use: 7,5 uses/day
- 1200 people in the service
- Using during the week. Mobility
- 42 % women 58 % Men

GOOD LESSONS AND BAD LESSONS

GOOD LESSONS

- No cost for municipality
- Hilly areas
- Good acceptance of users
- No vandalism
- Locations of the stations
- Limitation of the speed of the ebikes to 18 km/h

BARRIERS

- Difficult to introduce people in the system
  - **One year without service**
  - **Cost of the service**
  - **Why all electric?**
- Unkonwledge of the electric bike.
- Technical problems being the first city installing the system

FUTURE PLANS

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Thank you!

Fermín Echarte Peña

Contact Details

Municipality of Donostia / San Sebastian

Mobility Department

fermin_echarte @donostia.org

0034943481449

http://www.civitas.eu

Donostiako Udala
Ayuntamiento de San Sebastián

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SAN SEBASTIAN

TIDE
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