

# VGbiziz, smart network of secure parking for bicycles in Vitoria-Gasteiz



## Cycling Cities II – Infrastructure Development



Centro  
de Estudios Ambientales

CEA

Ingurugiro  
Gasteiarako Ikastegia



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# The city

A compact, pedestrian scale city until recent growth and latest urban developments

- Administrative Capital of the Basque Country
- 253,996 inhabitants
- 276.81 km<sup>2</sup>.
- 46 homes/ha.
- 101.51 inhab/ha (residential areas)
- Mainly flats, not single family houses
- No metropolitan area
- Motor industry city (35,000 employees)
- A city where everything is at hand, accessible on foot and by bicycle

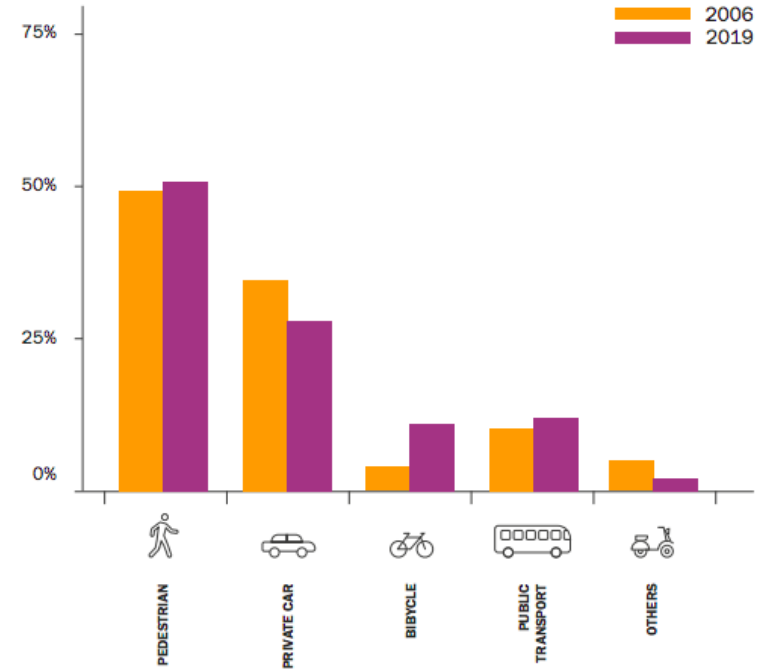


# Context

- Bicycle use in Vitoria-Gasteiz is increasing
- Number of bicycles: approximately 160,000
- More bicycles are left on streets / risk of theft
- Citizens demand more parking spaces



▼ Modal share evolution in Vitoria-Gasteiz between 2006 and 2019





# Public on street parking racks

- 12,557 parking spaces
- Installation criteria: citizen requests, space availability in the area and on site assessment of the real needs.
- Not to install in: areas where they might interfere with pedestrian transit or in pedestrian streets
- Installed for general use not for specific activities as schools, shops, residential buildings...



## Events that have led to the creation of this network and time line

- Success of two pilots of community premises in the old quarter of the city (2011)
- A citizen's initiative promoted by a third sector company, which was approved in the municipal plenary session (2013)
- Characterization study of the demand for safe bicycle parking in Vitoria-Gasteiz (2014)
- Selection of the safe bicycle parking project in the Hobetuz program (participative budgets) (2017). Awarded with 300.000€ to spend in 3 years
- Funds from the Basque Environmental Agency – EVE, and European H2020 projects (Park4SUMP and CityChangerCargoBike)

# Regulation changes

- Year 2018: A new ordinance was approved to establish the conditions of new privately or publicly promoted bicycle parking.
- Year 2019: Revision of the Vitoria-Gasteiz SUMP
- Year 2021: Ordinance regulating the conditions of access and use of the Secure Bicycle Parking Service (to be approved)





# VGbiziz secure parking network



- Objective: to respond to high demand parking areas (city centre, university, sports facilities, bus and train stations) and some residential areas with shortage of parking spaces, with security as an added value.
- 2018 - 5 locations (250 parking spaces) + facility in bus station (110)
- 2019 - 2 locations (100 parking spaces) + facility in an enclosed area within a car park (66)

# VGbizziz igloos based automatic network

- Igloos are installed in residual spaces in the street
- Cost (3 or 6 euros/month, depending on the use).
- Network: users can park at any facility.
- Access via smartphone or keypad
- Camera surveillance.
- Link to video:  
[https://www.youtube.com/watch?time\\_continue=9&v=yinqYmKvDaM](https://www.youtube.com/watch?time_continue=9&v=yinqYmKvDaM)

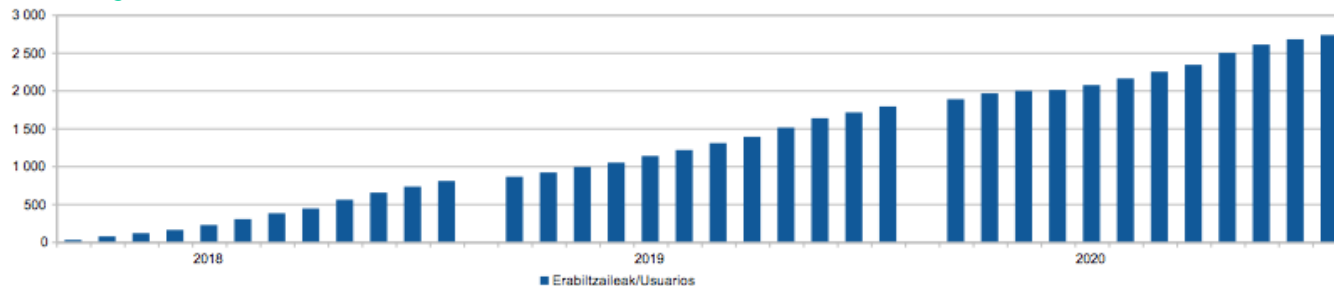




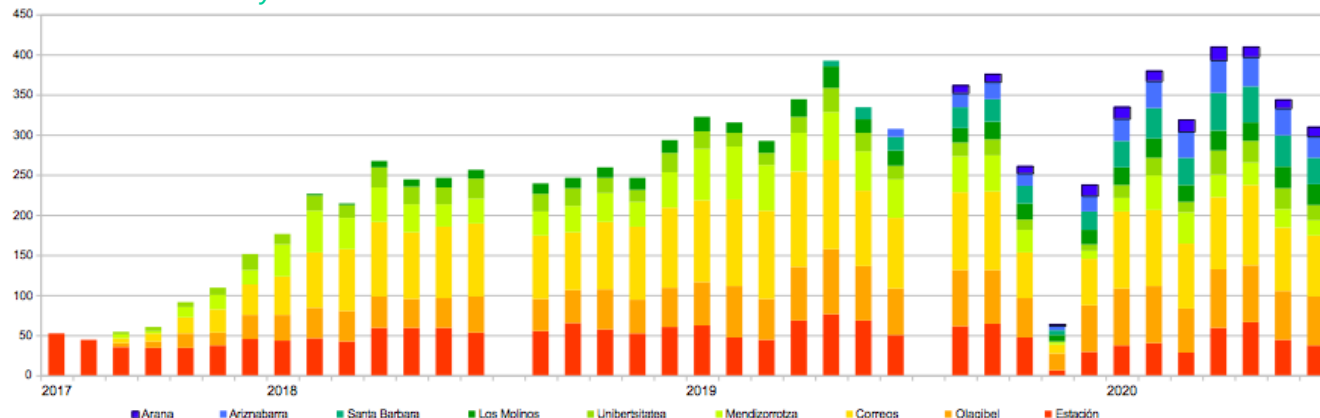
## Figures

- Users: During the first year, 796 people registered for the use of the parking network. Currently there are 2.729 registered users.
- The number of regular users is about 350 per month.
- In 2020 the city council received 13 written requests to expand the network.

*Registered users*

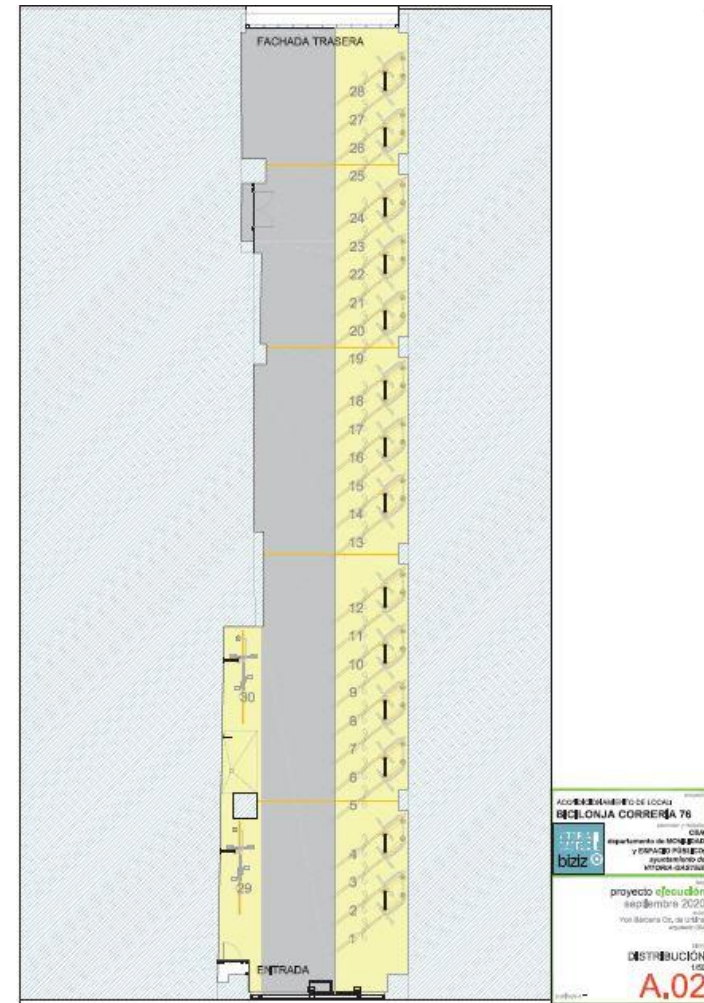


*Uses = monthly users*



# Future

- Approval of the Ordinance regulating the conditions of access and use of the Secure Bicycle Parking Service
- More VGbiziz igloos/facilities as proposed in the revision of the city's SUMP to be approved shortly
- Analysis of feasibility of the inclusion of private stakeholders in the VGbiziz and the management and maintenance of the network by a social company



# Recommendations to create a secure parking network for bicycles

- Evaluate and characterize the demand
- Plan a gradual deployment
- Ensure political support
- Use all funding opportunities
- Promote the network





# Thank you!

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