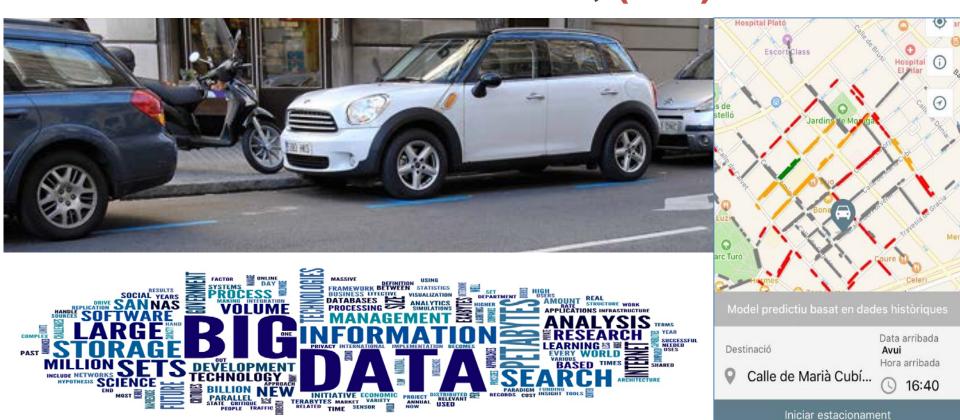


BARCELONA'S PREDICTIVE PARKING TOOL, (UIS)



January 11th, 2017





1 PROJECT DESCRIPTION

What is «UIS»?



- 1) New function of the existing parking payment app that works as an independent add-on tool
- 2) Provides information about the availability of on-street parking spaces in the city
- 3) Based on historical big data and mathematical models
- Helps citizens and users to reduce the time they spend in searchingfor-parking.
- 5) Scope: **Barcelona as an intelligent city** which helps its citizens and users to cruise efficiently within its boundaries.





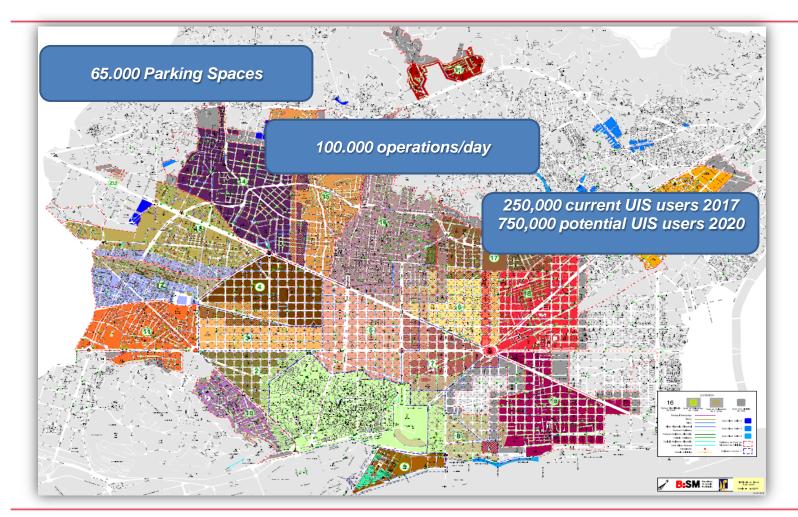
2 MAIN GOALS & BENEFITS PURSUED



- 1 To optimize the use of a scarce resource: Public Space.
- 2 To match real supply and demand according to real needs.
- 3 To reduce vehicles cruising for parking.
- To play a key role in the strategic framework: travel planning and modal transport user decision.
- To improve enforcement efficiency: increases the in-app oneshot infraction detection system for supervisors.
- To improve user satisfaction by managing on-street parking big data.
- Reinforced Barcelona's leadership among Intelligent Cities.



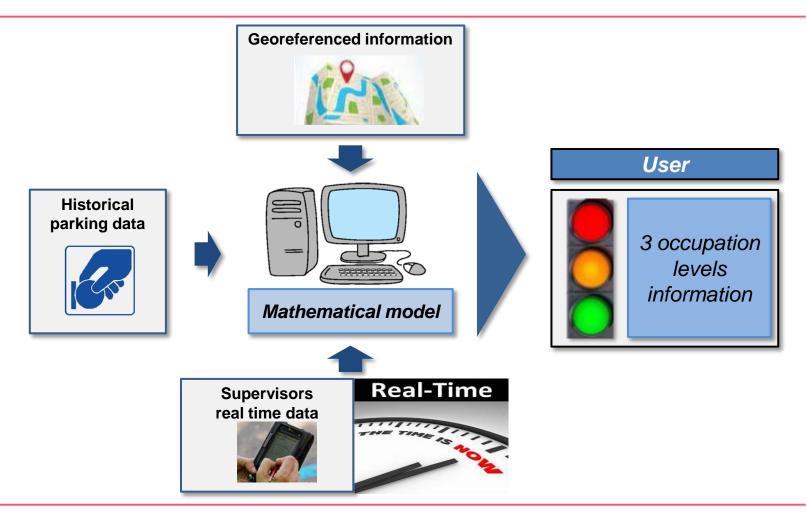
3 SCOPE OF THE PROJECT







4 UIS OPERATING PROCESS







5 PROJECT TIMELINE



Sept 2015 to Jul 2016

Project Definition & Implementation 1

UIS for General Public Use parking spaces

(25% parking spaces)



Phase 2

Sept 2016 to Feb 2017

Implementation2

UIS for General Public Use parking spaces

(100% parking spaces)

9.000 parking spaces



Jul 2016 to Jul 2017

Implementation3

UIS for On-Street Delivery parking spaces

17.500 parking

spaces

Phase 4

2018...

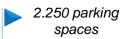
Implementation4

+next steps

UIS for Resident use parking spaces



61.500 parking spaces









6 HOW IT WORKS

Download free App

Select location/ destination

Select hour of arrival / real time

See parking status









Finally decide whether you want to plan your trip or see parking status until your destination or navigate/refresh real time and pay by phone from the APP





7 UIS, Main Features and services



- User-friendly, easy-to-use APP
- Information about availability of parking spaces in real time every 5 minutes.
- Information about availability of parking spaces one day in advance before arrival (up to 48h).
- Shortcut integration with the parking payment system.
- Direct access to navigation systems (google/apple).
- Automatic or manual refresh information options while approaching to destination.
- In-app FAQs and direct tech support.















8 MAIN EFFECTS

- Optimization of public space use
- Improve quality of life of citizens and foreign visitors
- Reinforce the image of Barcelona as an Intelligent City
- Mobility as a Service (from infringement detection to the creation of services focused to users)



City & Social



Mobility & Operator

- Availability of BIG DATA.
 Information and analisys
- Indiscipline reduction
- UFD cruising for parking time reduction (10-20% estimated)
- Help to network distribution to optimize routes/time





- Improvement of air quality by reducing CO2, NOX, etc.
- Noise level reduction due to less cruising for parking.







- Cost and time savings
- Infringement prevention
- website portal registered users
- car location, ticket history, fleet customers account, in-app FAQS
- direct support & communication







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