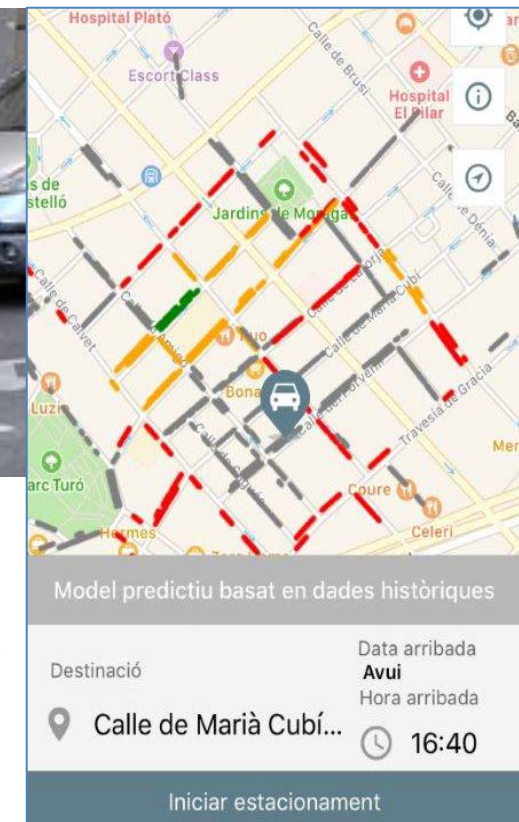
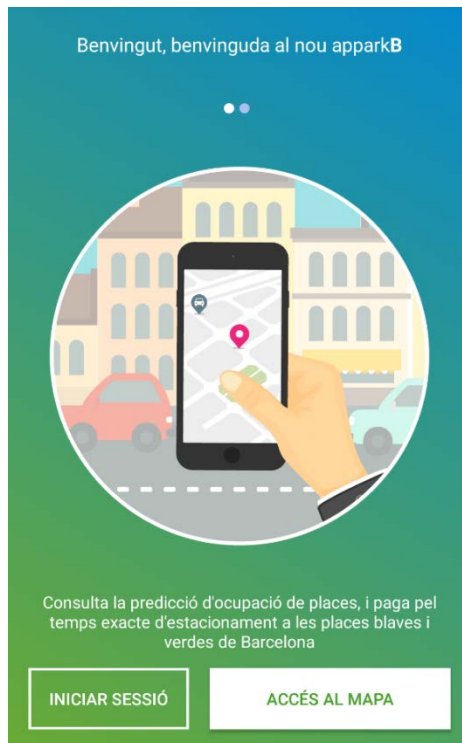


BARCELONA'S PREDICTIVE PARKING TOOL, (UIS)



1 PROJECT DESCRIPTION

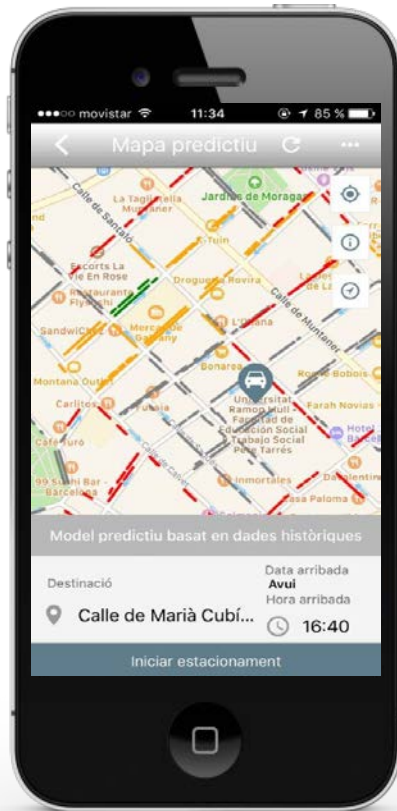
What is «UIS»?



- 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
- 4) Helps citizens and users to reduce the time they spend in searching-for-parking.
- 5) Scope: **Barcelona as an intelligent city** which helps its citizens and users to cruise efficiently within its boundaries.

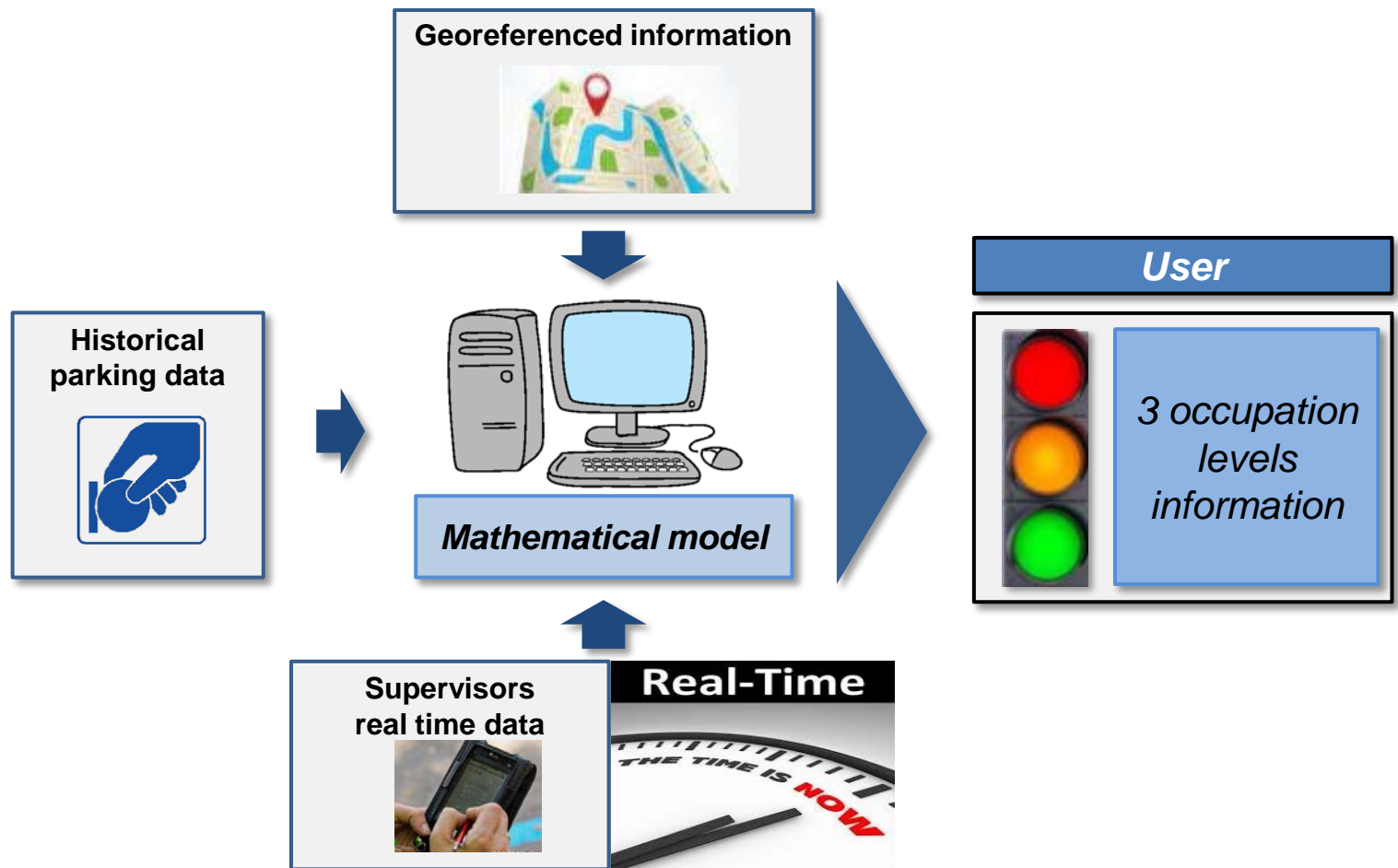


2 MAIN GOALS & BENEFITS PURSUED



- 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.
- 4 To play a key role in the strategic framework: travel planning and modal transport user decision.
- 5 To improve enforcement efficiency: increases the in-app one-shot infraction detection system for supervisors.
- 6 To improve user satisfaction by managing on-street parking big data.
- 7 Reinforced Barcelona's leadership among Intelligent Cities.

4 UIS OPERATING PROCESS



5 PROJECT TIMELINE

Phase 1

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

Implementation 2

**UIS for General
Public Use
parking spaces**

*(100% parking
spaces)*



Phase 3

Jul 2016 to Jul 2017

Implementation 3

**UIS for On-
Street Delivery
parking spaces**

Phase 4

2018...

*Implementation 4
+ next steps*

**UIS for Resident
use parking
spaces**



2.250 parking
spaces ✓

9.000 parking
spaces ✓

17.500 parking
spaces ✓

61.500 parking
spaces ✓

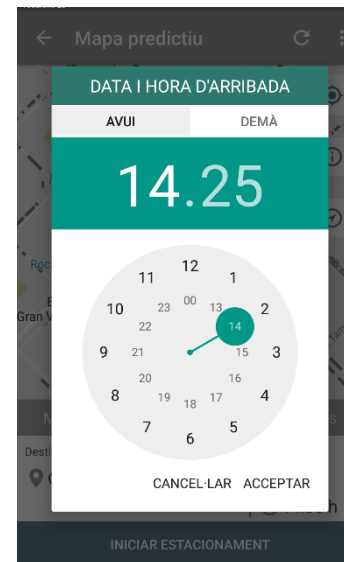
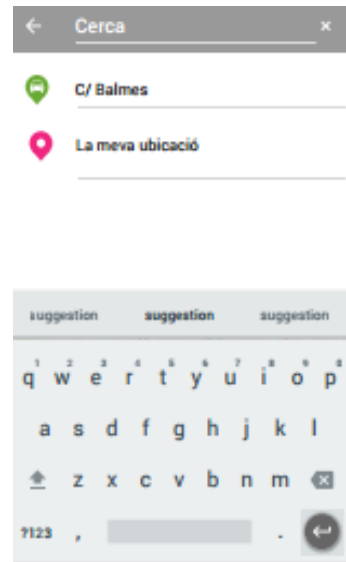
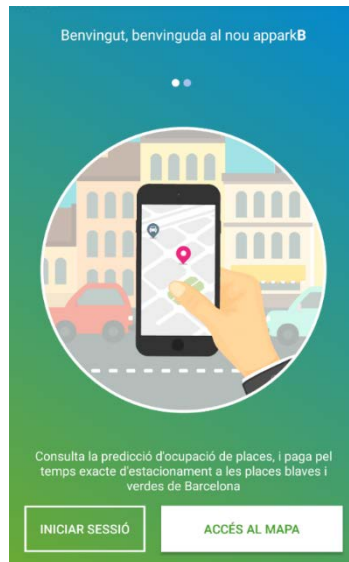
6 HOW IT WORKS

**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





BARCELONA'S PREDICTIVE PARKING TOOL, (UIS)

January 11th, 2017