

POLIS

CITIES AND REGIONS FOR TRANSPORT INNOVATION

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1 December, 2022
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#POLIS2022

S+LOADZ

Multi-sustainable digital loading and delivery zones for city logistics

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Ajuntament de Vic



Vic,
ciutat a la
mesura humana



Urban Mobility

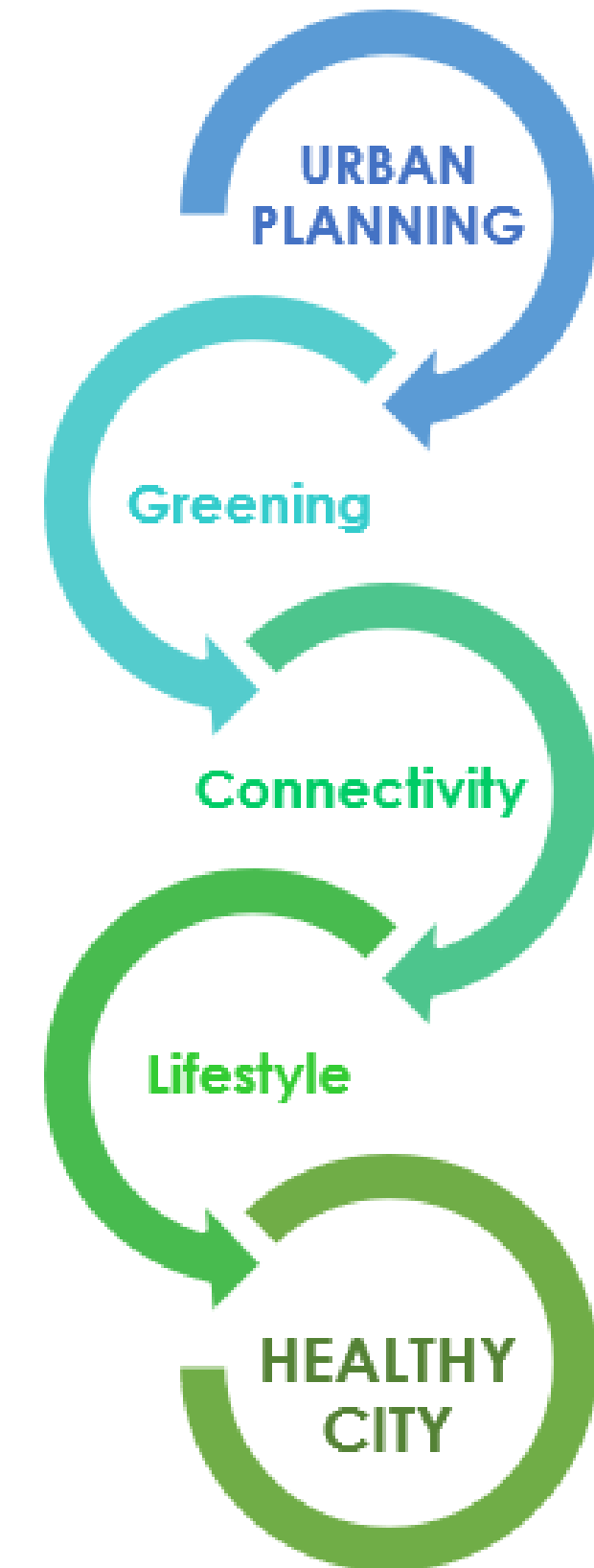
Co-funded by the
European Union



Vic



- Barcelona province
- 47.319 inhabitants
- 3.064 Ha



Background

June 2018

Vic started to digitize the parking areas for loading and unloading goods in the city center with a Parkunload Bluetooth system.

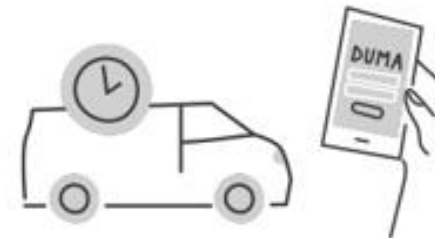
- Increase rotation and therefore, the availability of places for users.
- Optimize shared use of public space
- Reduce parking indiscipline
- Reduce traffic
- Reduce emissions

November 2021

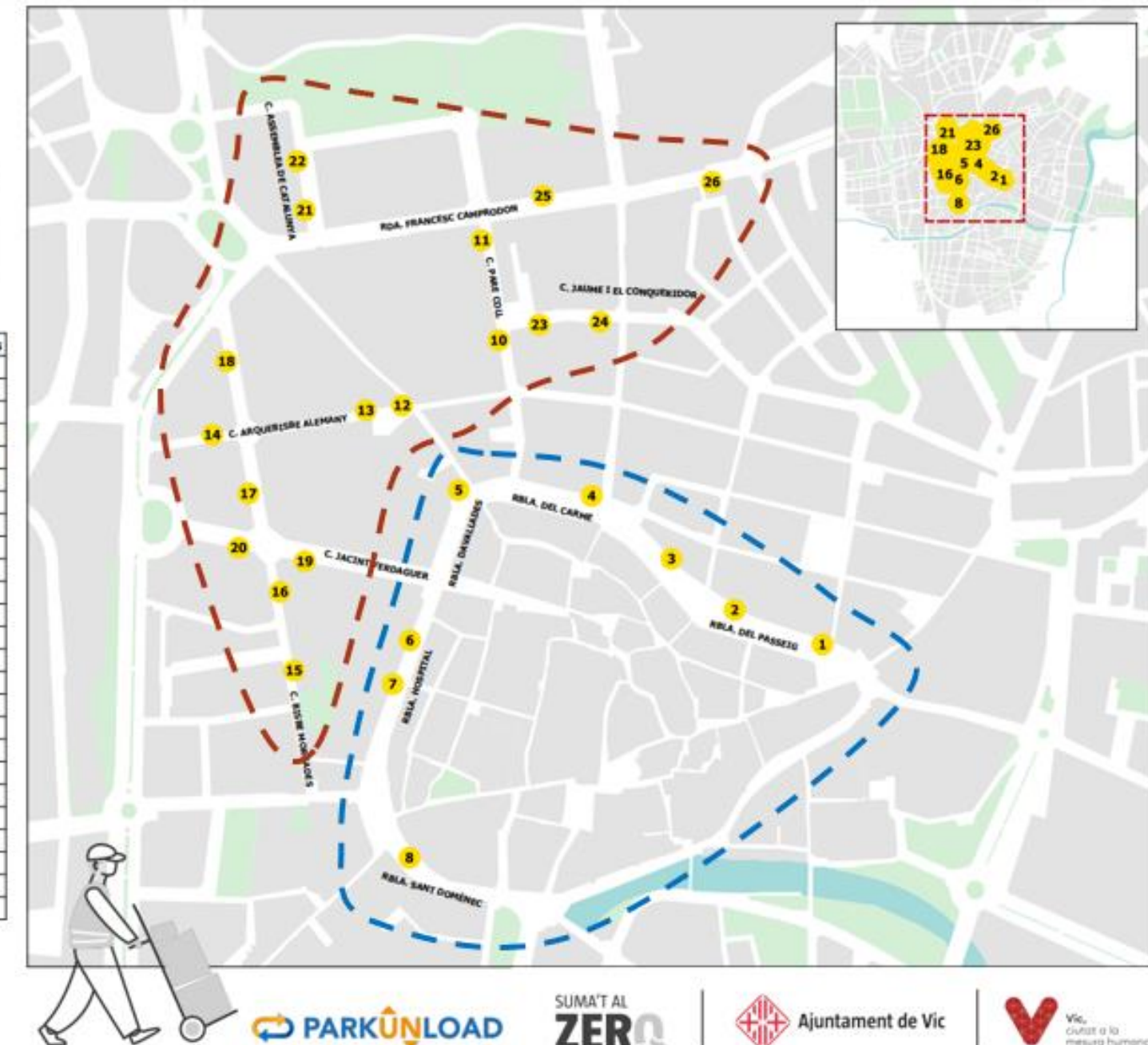
Expansion of digitized parking areas



Z-DUMA



Codi Zona	Adreça	Places
VIC-001	Rambla del Passeig, 54	9
VIC-002	Rambla del Passeig, 41	7
VIC-003	Rambla del Passeig, 17	5
VIC-004	Rambla del Carme, 37	10
VIC-005	Rambla de les Davallades, 12	10
VIC-006	Rambla de l'Hospital, 8	3
VIC-007	Rambla de l'Hospital, 20	9
VIC-008	Rambla de Sant Domènec, 12	4
VIC-010	Carrer Pare Coll, 3-11	4
VIC-011	Carrer Pare Coll, 17	2
VIC-012	Carrer Arquebisbe Alemany, 2	3
VIC-013	Carrer Arquebisbe Alemany, 10	4
VIC-014	Carrer Arquebisbe Alemany, 34	2
VIC-015	Carrer Bisbe Morgades, 12	3
VIC-016	Carrer Bisbe Morgades, 20	1
VIC-017	Carrer Bisbe Morgades, 33	1
VIC-018	Carrer Bisbe Morgades, 53	4
VIC-019	Carrer Jacint Verdaguer, 21	7
VIC-020	Carrer Jacint Verdaguer, 29	4
VIC-021	Carrer Assemblea de Catalunya, 1	5
VIC-022	Carrer Assemblea de Catalunya, 5	3
VIC-023	Carrer Jaume I el Conqueridor, 2	3
VIC-024	Carrer Jaume I el Conqueridor, 5	3
VIC-025	Ronda Francesc Camprdon, 16	1
VIC-026	Ronda Francesc Camprdon, 5	2



Background

Platform components:

Drivers' scenario



- Mobile App Parkunload for drivers
- Road signs with Bluetooth
- Contact & Support

Control scenario



- Mobile App for agents
- Road signs with Bluetooth
- Technical support

City perspective



- BackOffice for the administration
- Advanced data analytics



S+LOADZ project presentation

The S+LOADZ project started in January 2022 and ends in December of this year.

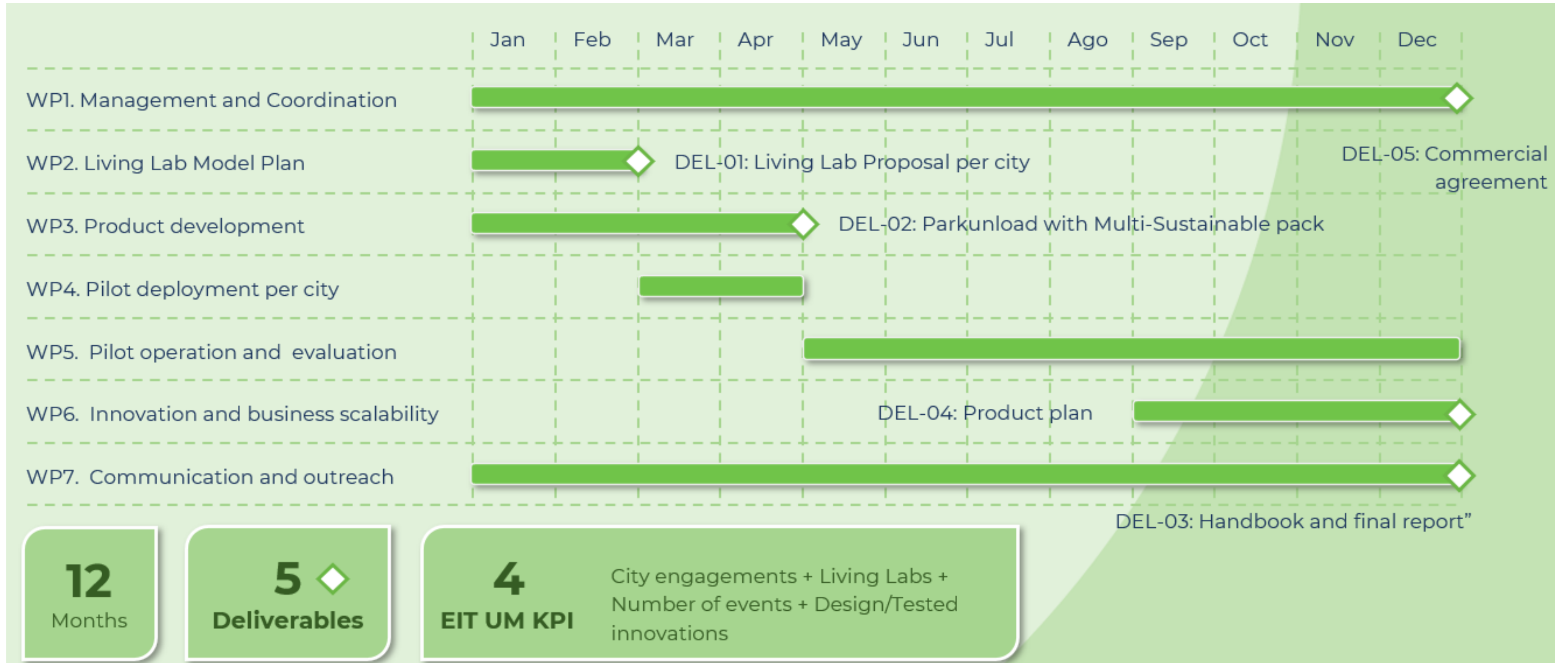
S+LOADZ



S+LOADZ - Sustainable Smart Loading & Delivery Zones



Schedule



Vic city lab

Use of Z-DUMA technology to continue working towards sustainable, safe and healthy mobility, improving parking management.

1. Control of access and parking at pedestrian islands.
2. Control of places for pharmacies.
3. Use of Z-DUMA zones for Cargo bikes.
4. Study of control of Z-DUMA places in environmental events.

ZONA DUMA · ILLA DE VIANANTS

Estacionament amb temps limitat per a vehicles autoritzats a l'illa de vianants

De dilluns a diumenge les 24 hores

Validació obligatòria per mòbil
Temps màxim variable

Descarregueu l'app PARKUNLOAD per obtenir un tiquet d'estacionament.

Codi de zona: **VIC-000**

També a través de www.parkunload.com/start/



COMERÇ EXPRESS
Clients de Farmàcia

Zona d'estacionament amb temps limitat per clients de la farmàcia

De dilluns a diumenge 24 hores


Validació per mòbil obligatòria
Temps màxim 15 minuts

Codi de zona: **VIC-000**

Estacionament regulat amb l'aplicació mòbil PARKUNLOAD

Descarregueu l'app PARKUNLOAD per obtenir un tiquet d'estacionament vàlid. Codi de zona detectat per Bluetooth.

També via www.parkunload.com/start



Vic city lab

1. Control of access and parking at pedestrian islands

- Improve parking management in pedestrian islands.
- Reduce road indiscipline.
- Test the operation, adjust and asses the results - City Lab.
- Have data on the use of public space.

 30 minutes for commercial vehicles

 10 minutes for neighbours and store customers



ZONA DUMA · ILLA DE VIANANTS

Estacionament amb temps limitat per a vehicles autoritzats a l'illa de vianants

De dilluns a diumenge les 24 hores

Validació obligatòria per mòbil
Temps màxim variable

Descarregueu l'app PARKUNLOAD per obtenir un tiquet d'estacionament.

Codi de zona: **VIC-000**

També a través de www.parkunload.com/start/



2. Control of places for pharmacies

- Provide space for parking for pharmacy emergencies.
- Improve accessibility to pharmacies for people with reduced mobility.
- Test the operation, adjust and asses the results - City Lab - European Project.
- Have data on the use of public space.

 10 minutes for commercial vehicles

 10 minutes for pharmacy customers



COMERÇ EXPRESS
Clients de Farmàcia

Zona d'estacionament amb temps limitat per clients de la farmàcia

De dilluns a diumenge 24 hores

Validació per mòbil obligatòria
Temps màxim 15 minuts

Codi de zona: **VIC-000**

Estacionament regulat amb l'aplicació mòbil PARKUNLOAD

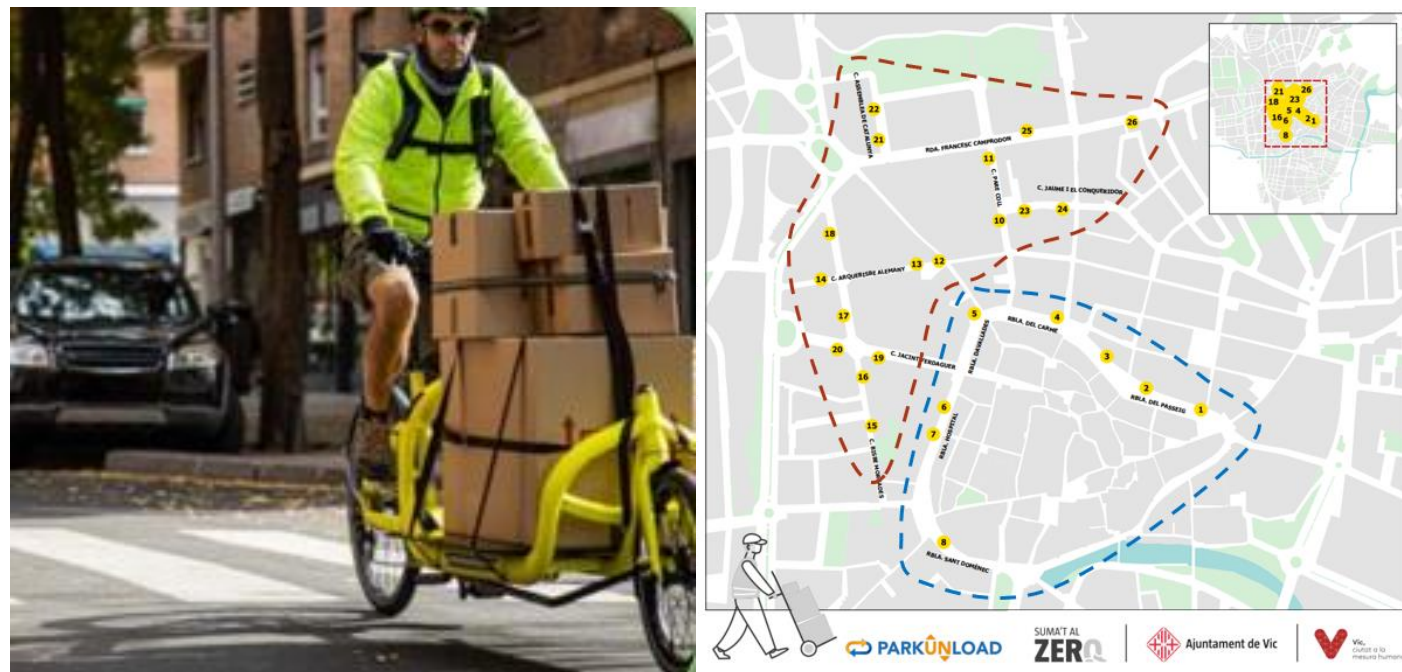
Descarregueu l'app PARKUNLOAD per obtenir un tiquet d'estacionament vàlid. Codi de zona detectat per Bluetooth.

També via www.parkunload.com/start/

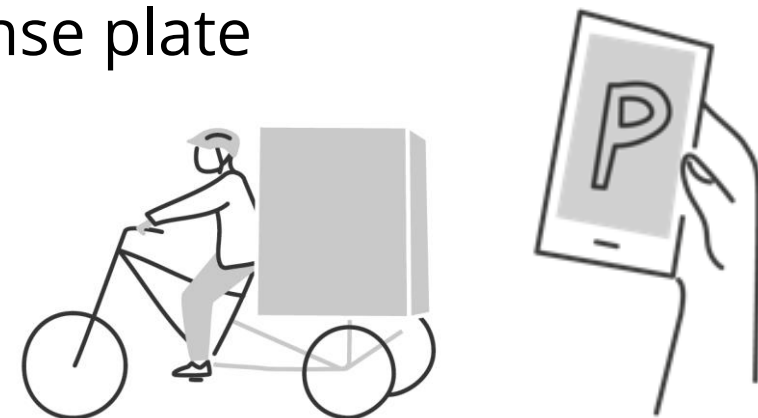


Vic city lab

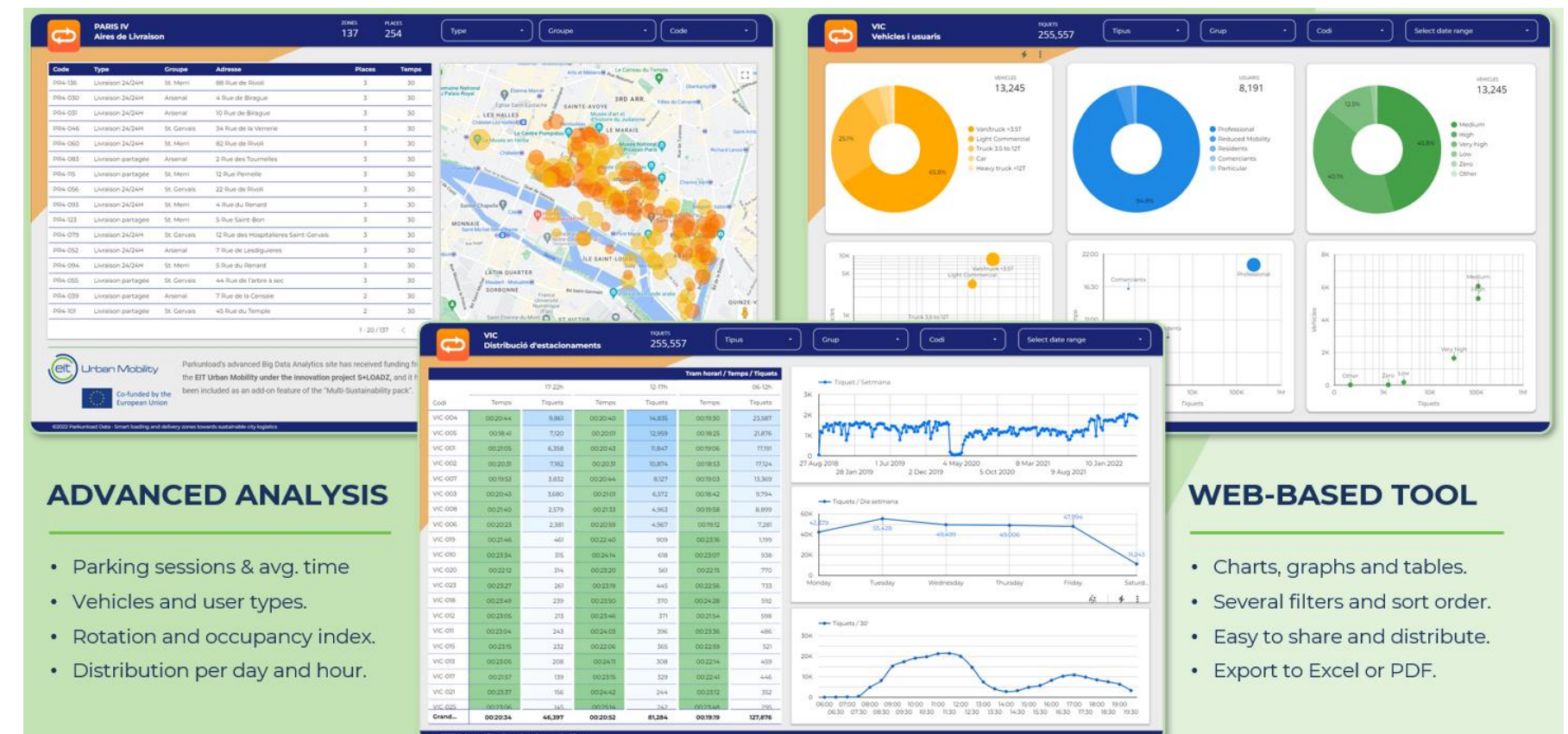
3. Use of Z-DUMA zones for Cargo bikes



- Cargo bike registration system
- Assignment of license plate



4. Study of control of Z-DUMA places in environmental events



Local group

Vic City Council



- Trade Department
- Environment Department
- Communication Department
- Mobility Department
- Local Police

Associations and entities



Communication programme

- Meetings with neighbours and shopkeepers
- Training the local police and the citizens' information office
- Leaflet design
- Informers
- Security guards – informers
- Information on the local newspaper
- Information on the municipal website
- Questionnaire to drivers, operators and local police

The collage features several communication materials:

- Leaflets:** Two leaflets from the 'Ajuntament de Vic' and 'S+LOADZ' project. The first is titled 'MILLOREM LA CÀRREGA I DESCÀRREGA I L'APARCAMENT A LES ILLES DE VIANANTS DE VIC Z-DUMA' and features a circular arrow icon. The second is titled 'NOUS APARCAMENTS PER URGÈNCIES A LES FARMÀCIES DE VIC' and features a green cross icon.
- Newspaper Clipping:** A clipping from 'EL 9 NOU' newspaper, dated November 21, 2022. The main headline is 'La majoria d'ajuntaments no apugen l'IBI tot i l'increment dels costos energètics i les puges salarials'. Other headlines include 'Insiben gairebé 900 plantes de marihuana', 'Es repren l'enderroc de més pisos del poblat', 'Nou Oliveras i Berta Calabuig guanyen la Mija de Ripoll', and 'Murs de carrer que es fan mirar'.
- Website Screenshot:** A screenshot of the 'Ajuntament de Vic' website. The main navigation menu includes 'Mobilitat', 'INICI', 'PRESENTACIÓ', 'TRÀMITS I GESTIONS', and 'CONTACTE'. A section titled 'Prova pilot projecte S+LOADS' is visible, describing the project's goals and partners.



Thank you for your attention!

For any question:

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