



# DESTI-SMART

Interreg Europe



European Union  
European Regional  
Development Fund

**Experience, good practices , innovations and plans/priorities  
on accessible tourism and accessibility for visitors  
Regione Sardegna**

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**REGIONE AUTÒNOMA DE SARDIGNA  
REGIONE AUTONOMA DELLA SARDEGNA**

# The point

**SARDEGNA**Turismo

THINGS TO DO

PLACES TO SEE

LEARN ABOUT SARDINIA

ORGANIZE YOUR TRIP

## DISABLED TRAVELLERS

Do not give up on your vacation, but plan it with care to enjoy the beauty of this land to the max. Check the available public services and ask for detailed information at hotels and other accommodations where you will be welcome and find all amenities.

[Home](#) > [Organize your trip](#) > [Disabled travellers](#)



### Beaches

To improve accessibility to the beaches there is often a walkway that goes down to the sea, and sometimes even chairs that allow entry into the water. In the most prominent seaside resorts, establishments offer dedicated changing rooms and toilets: to find out the location and the size of those services we recommend you contact the tourist information offices or the town where you intend to stay.



### Reserved parking spaces

Italy recognises the mark for cars granted in the EU and EEA (European Economic Area) as well as the United States, Canada, Australia, New Zealand, Japan and Korea. The municipalities regulate the use of stop-overs in reserved spaces, so please ask about that at the municipal police station located in your area.



### Public transport

Many public transports are equipped with a special platform for boarding and alighting for passengers with disabilities or reduced mobility, however the system does not always allow the passenger to use them without the help of a companion. We recommend that you check the exact accessibility of the vehicle with the transport company.

#### Links for further information:

[Regional transport company](#) >  
[Cagliari city transport company](#) >  
[State Railways – Sardinia](#) >  
[Regional transport website](#) >

<https://www.sardegnaturismo.it/en/plan/disabled-travellers>



# simple

SIMPLE TECHNOLOGIES FOR  
MOBILITY

ACCESSIBILITY

Project funded by POR FESR 2014/2020  
ASSE PRIORITARIO I "RICERCA SCIENTIFICA, SVILUPPO TECNOLOGICO E INNOVAZIONE".

# WHAT IS ACCESSIBILITY ?

In transport planning, one of the definitions of accessibility is the ability of reaching and interacting with places and activities distributed in space

[www.simple-cluster.it](http://www.simple-cluster.it)





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# HOW DID WE IMPROVE ACCESSIBILITY?

- ❖ individual property of vehicles
- ❖ clear differentiation in the transport alternatives
- ❖ mono-modality from origin to destination

[www.simple-cluster.it](http://www.simple-cluster.it)



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# HOW DO WE IMPROVE ACCESSIBILITY?

Thanks to Information and Communication Technologies (ICT), transport operators are and will be able to improve accessibility by shaping new transport alternatives, all gathered in the MaaS ideal

[www.simple-cluster.it](http://www.simple-cluster.it)



# MOBILITY AS A SERVICE



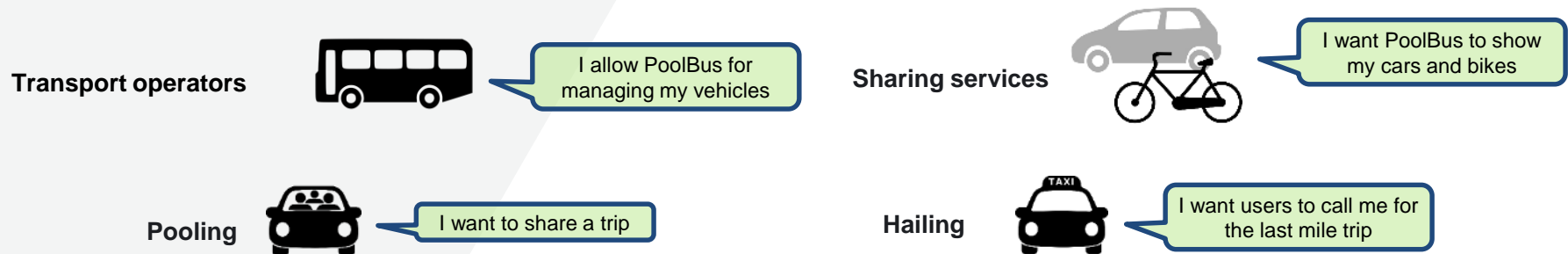
*Transport is no longer organised around private vehicles, but around the idea of **accessibility** towards **services**:*

- ❖ accessibility as **information**
- ❖ accessibility as **multi-modality**
- ❖ accessibility as **e-ticketing**

# THE POOLBUS APP



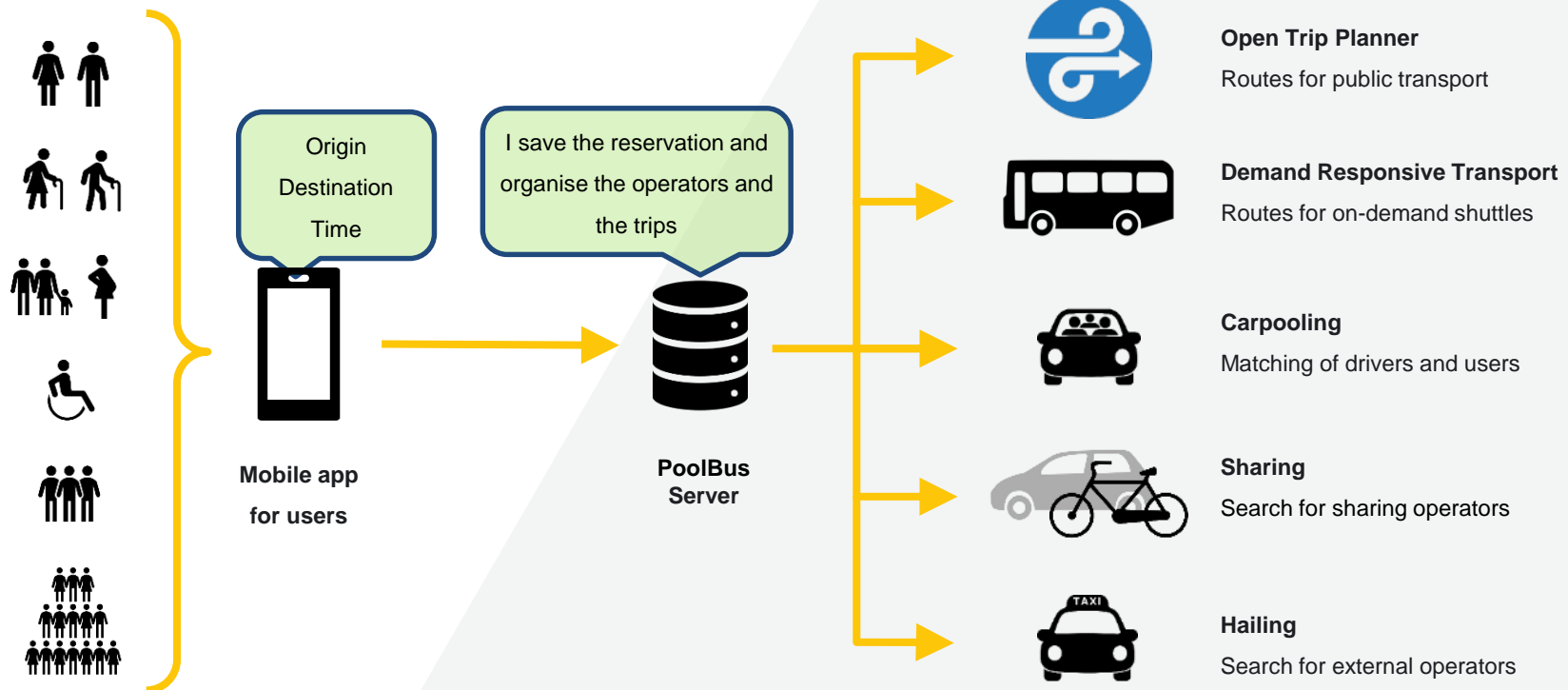
The SIMPLE project believes in granting accessibility for all types of users, especially the ones living in rural and low demand areas that feel disconnected and disadvantaged, thanks to the realization of a **platform** able to gather and organize **on-demand transport alternatives** by different transport operators. Users are able to make a reservation, receive travel personalized plans and paying a single ticket for their multi-modal trip by only using the PoolBus platform.



[www.simple-cluster.it](http://www.simple-cluster.it)



# THE POOLBUS APP



# THE BEEP4ME APP



The main aim of the app is to bring more people to use **sustainable transport**, performing automatic validation operations.

**Automatic validation** of tickets, greatly simplifying the user experience and the use of integrated mobility.



## VALIDATION OPTION

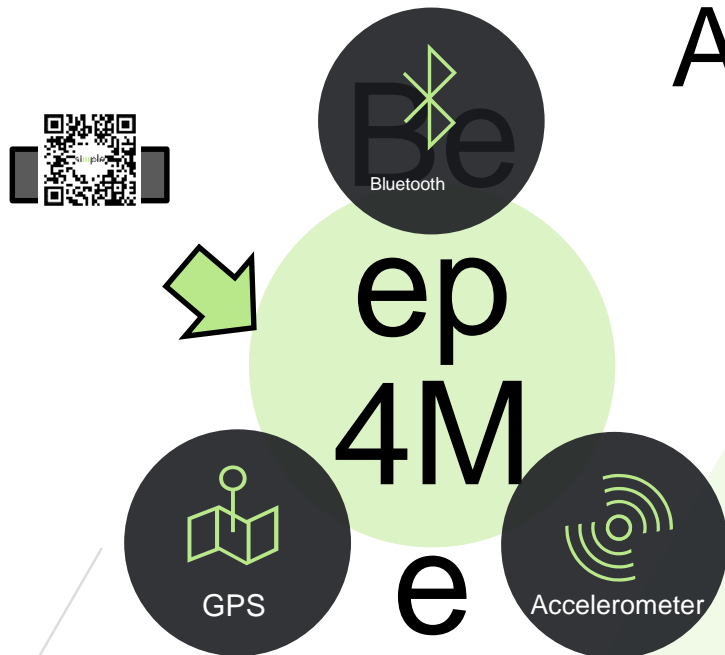
The most used schemes of actions performed by users when entering or leaving a means of transport are:

- **Check-In (CI)**, the user only acts when he goes up;
- **Check-In Check-Out (CICO)**, the user has to act both when boarding and when alighting
- **Check-In Be-Out (CIBO)**: the users only have to act when boarding, alighting is automatically detected by the system
- **Be-In Be-Out (BIBO)**, the presence of the user is detected automatically both while boarding and when leaving, requiring no action whatsoever



The BIBO scheme + e-ticketing enable **hands-free** and transparent use of public transport

# ACCESSIBILITY



The new ticketing system extends existing ones, allowing travel tickets to be validated with new methods by means various technologies:

- Bluetooth – enable to detect when user enters/leaving a BLE beacons powered bus
- Position (GPS) – enable to know when a user enters/leaving a stop and follows a bus route
- Accelerometer – enable to detect when user is walking or is on a motor vehicle



# BLE BEACONS

A BLE beacon (Bluetooth Low Energy) is a device which transmitted signal enable receiving device to activate certain services.

Each BLE beacon as a beacon region covered by its signal.

Beacon regions inside the bus are detected by users smartphones.

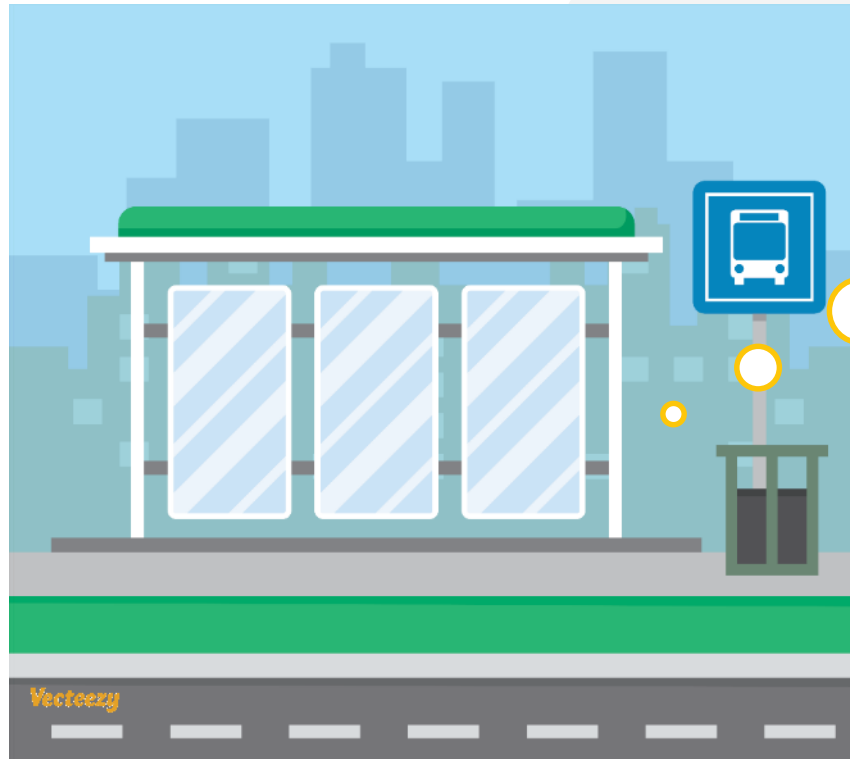
Check-in and Check-out operations are automatically performed **as a service**



<https://www.blueupbeacons.com>

<http://www.simple-cluster.it/>

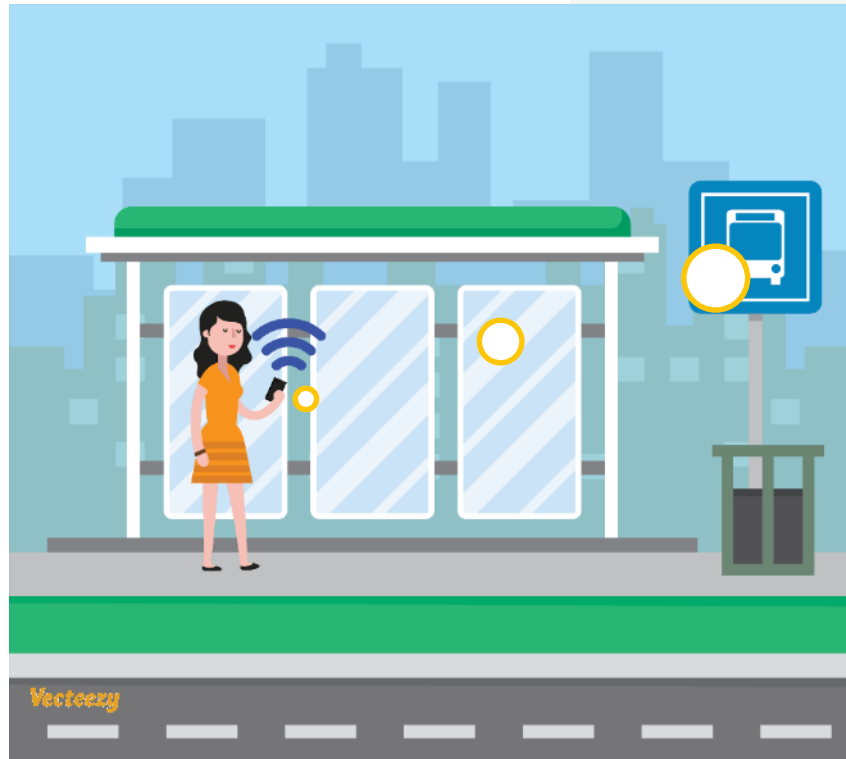
# ENTERING THE BUS



The user turns on bluetooth and arrives at the stop

The bus arrives at the stop and the user enters the bus  
Beep4Me detects BLE beacons and performs a check-in

# LEAVING THE BUS



The bus arrives at the stop

The user exits from the bus and the bus leaves the stop  
Beep4Me detects that bus moving away and performs a check-out



# TeseoApp from

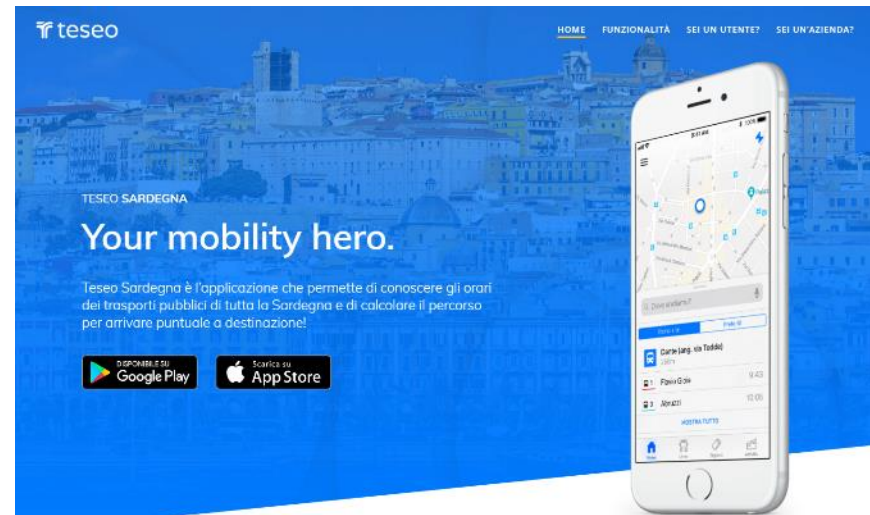


GreenShare

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App that allows to plan an intermodal travel and navigate through the lines and time tables of several means of transport for the whole Sardinia.

The application also allows to calculate the route to arrive on time at your destination and purchase tickets and passes.





# AMICO BUS service (CTM+RAS)

"door-to-door" on-call service, funded by the Autonomous Region of Sardinia, proposed as an integration tool to the ordinary public transport offer. The service is dedicated to those who, due to disability problems, do not use the scheduled public transport service and provides for the presence of a board of means of assistance staff.

[http://www.ctmcagliari.it/bus\\_a\\_chiamata.php](http://www.ctmcagliari.it/bus_a_chiamata.php)

The logo for amicoBus, featuring the word "amico" in a bold, blue, sans-serif font, followed by "Bus" in a stylized, blue, script-like font where the 'B' is large and loops around the 'u'.

# CTM bus stops coding

Currently in progress, adaptation of the network bus stops to facilitate access to company vehicles for people with disabilities



enabled to use the manual platform for getting on and off the bus even without a companion



enabled to use the manual platform for getting on and off the bus only with the help of the attendant.

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## Thank you!



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Questions welcome



*Projects media*