

USER CENTERED DESIGN

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TECHNICAL CROATIAN WORKSHOP 26TH OCTOBER 2020 Webinar link — meet.google.com/nue-ihgo-zzp



Introduction

I-SharE LIFE Project

Innovative electric car sharing service models that optimize the use of cars at different times of use for different types of users (commuters, citizens, public and private companies)

Methodology User Research and Co-Design

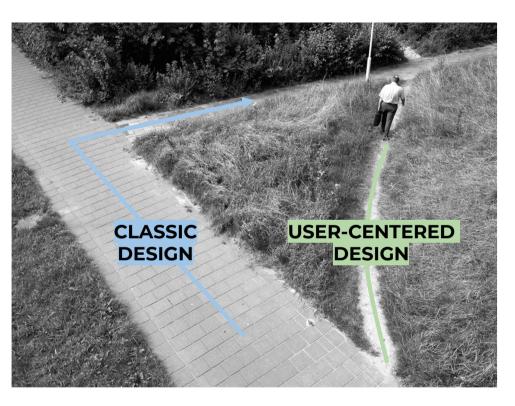
Focusing on the **user experience** makes it possible to improve the electric car-sharing service for different types of users



User - centered design

It is a design of a product or service that **focuses on the user**, taking into account his/her needs, objectives and opinions.

> https://usabilitygeek.com/usercentered-design-introduction/

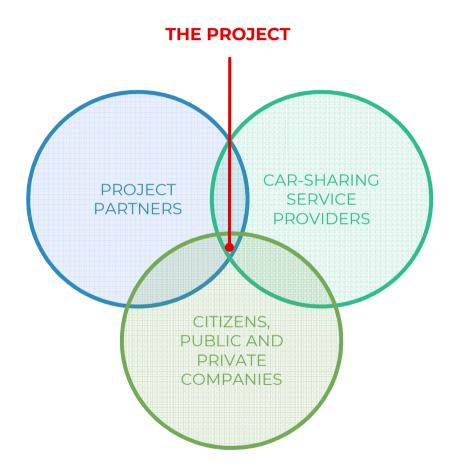




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How to be user - centered

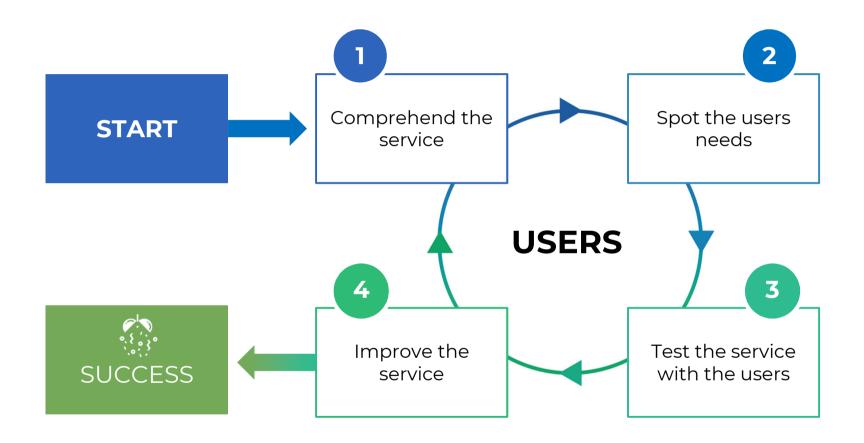
To improve the service, it is necessary to take into account **all users and entities** involved in the design, implementation, promotion, etc. of the service





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The approach





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Understanding the service





Preliminary Customer Journey

Subdivision and analysis of each single step

	UNPLUG THE CAR	DRIVE	FIND CHARGING POINT	UNLOCK SCREEN				
GAINS		Really new car, easy to drive.	E-vai employee freed the parking place for us.	E-vai employee was really helpful.				
OPPORTUNITIES → Connect the private account to the car → Map of the charging station at least on the app (suggest also that a2a ones are usable)								
PAIN	-	No customized interactive screen (any specific information on the service).	Hard to find charging stations.	Difficult to interact with the interface				

Identification of the strengths and weaknesses



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Poliedra designed various **participatory activities** with all the project partners in order to identify the specific **service users and their needs** for each specific project service model.





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The Beta Users profiles



What is innovative?

The innovation of the project consists in testing solutions for sharing **electric vehicles in small and medium-sized urban areas** where demand is lower, providing cars that are used by different types of users in different time windows.

The five service models:

	Model 1	Model 2	Model 3	Model 4	Model 5
WHERE	Busto Arsizio	Bollate	Bergamo	Como	Osijek
USERS	→ Companies→ Commuters	→ Companies→ Commuters	→ Municipality→ Citizens	→ Hotels→ Tourists	 → Municipality → Citizens → Commuters



Selection test and feedback



- → The 5 I-SharE service models are tested on the demonstration sites by some Beta Users, users selected through the Recruitment Screener in order to test the service for two weeks
- → Beta Users tested the service several times, providing their opinion by filling out **diaries** and participating in **interviews** especially regarding touchpoints (app, website, etc ...)
- Their observations were used to re-design and improve the service



Some of the fee	Spot the users needs	
I had never driven an electric car and was pleasantly impressed. I really like the low environmental impact.	Several people have asked me where to rent the car.	The registration phase was quite complex.
With the right increase of charging stations, the service can really be successful.	Although there w difficulties during sure people will interested in th	; the test, l'm l be very

I-SharE LIFE Innovative sharing solutions for full electric travels in small and medium size urban areas

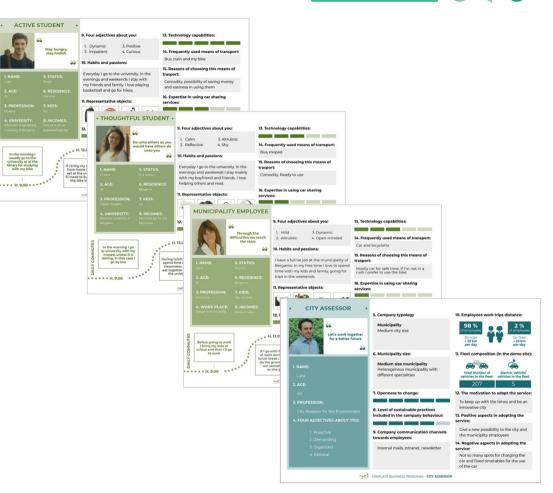
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The first results

Test the service with the users

The results obtained by diaries and interviews with Beta Users have contributed to define the "**Personas**", archetypes of possible service users.

They represent specific types of users on which the user centered **codesign** of the service is based.





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The co-design activities



What is co-design?

It is a practice where **users become an active part** of the design process.

Considered **"experts" thanks to their experience,** they return different opinions that can be integrated into the design and innovation of the service.





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Co-design activities



- → In all co-design activities participated both Beta Users and Stakeholders for which demo sites involved
- → Specific themes were dealt in each co-design workshop according to the different demo sites and what was needed there.

In particular:

- Touchpoints (App, website...) (in Bergamo demo site)
- Company employees training (Busto A. and Bollate demo sites)
- Communication and advertising of the service in the Como Lake area
- App improvements and charging stations possible location in the City of Osijek



Co-design activities





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Continuous feedback process



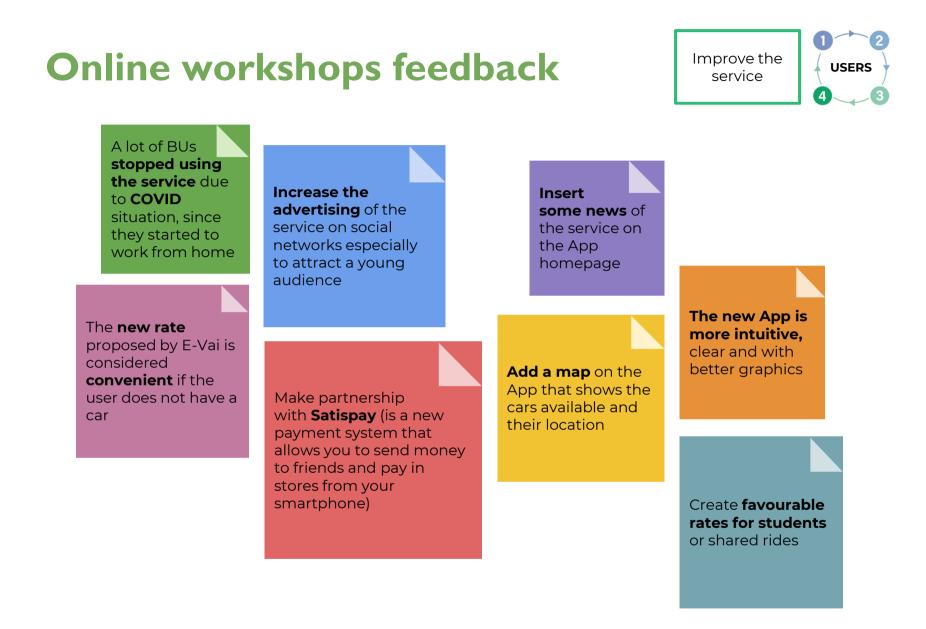
After one year from the testing phase, all Beta Users involved were invited to some online workshops to continuously improve the service

In Italy and Croatia more workshops have been done.

- → Beta Users that continue to use the service
- → Beta Users that stop to use the service









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Considerations

- → User Centered Design approach may take longer than a traditional one, but it can bring greater advantages, helping the identification of opportunities to improve the service
- → This methodology permits to market a service that effectively responds to the needs of different users. The collaboration with different partners and users has allowed a mutual enrichment in favor of the final result, facilitating the dialogue between people that usually do not communicate
- → Through the Beta testing and the workshop sessions the service resulted feasible and flexible according to the city and territory





THANK YOU FOR YOUR KIND ATTENTION!

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