

eCharge4Drivers

**Improving the EV
charging experience
within cities and for
longer trips**

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eCharge4Drivers in a Nutshell

<https://echarge4drivers.eu/>

Call identifier: H2020-LC-GV-2018-2019-2020

Topic: GV-10-2017 “Demonstration (pilots) for integration of electrified L-category vehicles in the urban transport system”

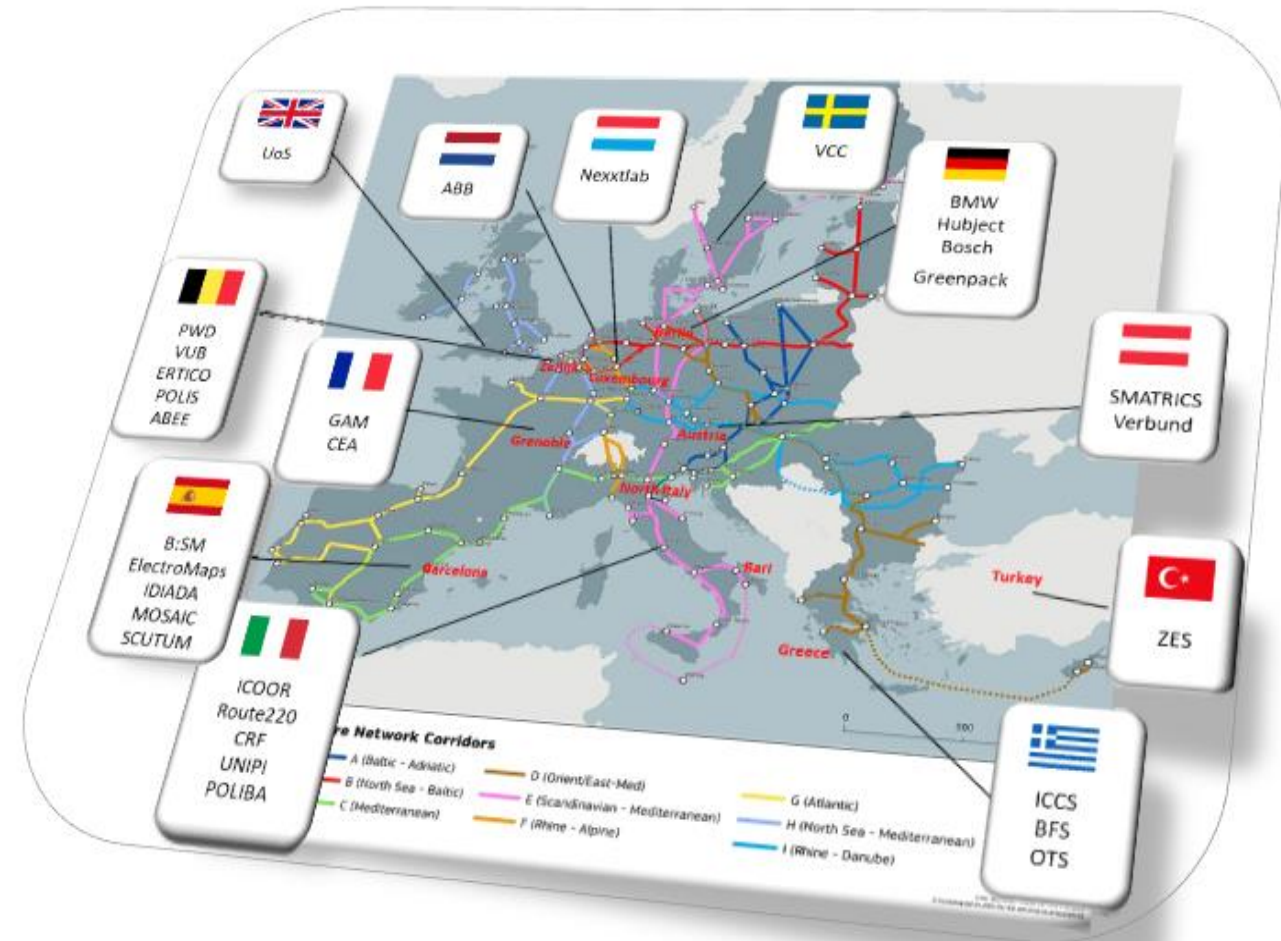
EC funding: 14,424,526.39 €

Duration: June 2020 – May 2024

12 countries - 31 Partners – 10 demonstration areas

SCOPE:

eCharge4Drivers aims to improve the **Electric-Vehicle charging experience in urban areas** and on interurban corridors towards promoting e-mobility concept and making it more convenient for users to go green by **developing and designing user-centric and interoperable charging solutions.**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 875131 (Innovation Action)

Strategic objectives



O-1: Understand the user needs so that the project charging solutions and services substantially **improve the user charging experience**

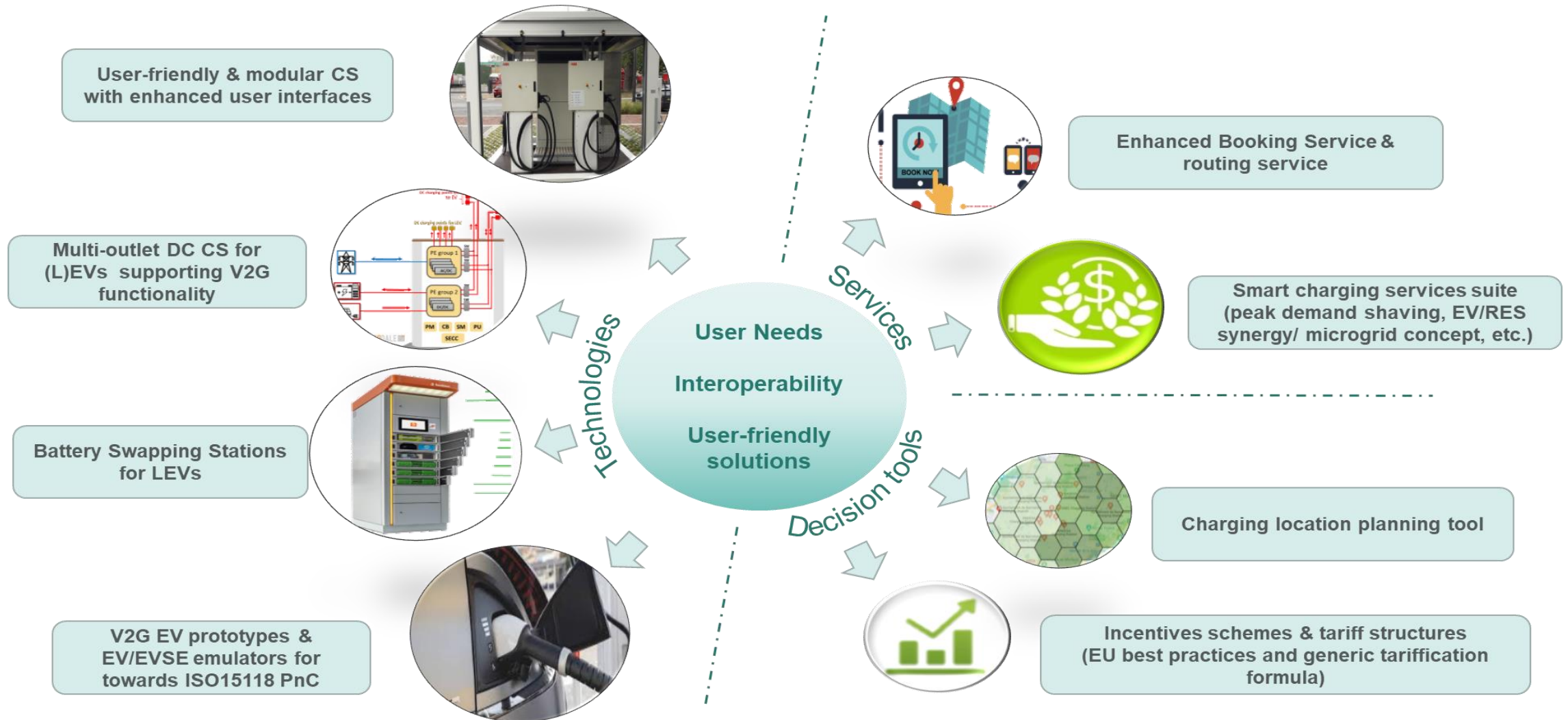
O-2: Develop and demonstrate **user-friendly and cost-efficient charging stations** for passenger vehicles and LEVs

O-3: Design and **demonstrate charging services and systems** serving diverse objectives and unlocking several business opportunities

O-4: Enable and demonstrate **interoperability of end-to-end communication** and provision of **enhanced information to the EV users**, before, during and after a charging session

O-5: **Propose mechanisms to accelerate the deployment** of charging infrastructure and other charging services **in a sustainable and user-centric way** (CP location planning tool, tariff/incentive schemes)

eC4D technologies & services



eC4D Demonstration overview

Demonstrated Topics	Metropolitan areas						Nationwide long-distance trips			
	Barcelona (ES)	Grenoble (FR)	Berlin (DE)	Luxembourg (LU)	Zellik (BE)	Bari (IT)	Austria	Northern Italy	Greece	Turkey
User-friendly, low- and high-power charging stations for passenger vehicles and motorcycles supporting ISO 15118 Plug & Charge	X	X			X	X		X		X
Upgrades of high-power charging stations to support ISO 15118 Plug & Charge and OCPP							X		X	
Back-ends supporting ISO 15118 Plug & Charge	X		X		X		X	X	X	X
Low-power DC charging stations supporting ISO 15118 Plug & Charge					X					
Enhanced route planners	X					X		X	X	X
Enhanced booking service	X	X	X	X	X	X		X	X	X
Enhanced information during charging	X				X	X		X	X	X
Smart charging services	X	X		X	X					
Charging points on lamp posts		X								
Battery swapping stations for LEVs	X		X							
New tariff schemes	X	X	X		X	X		X		
Incentives	X		X	X	X	X		X		

eC4D survey – User's e-mobility perception

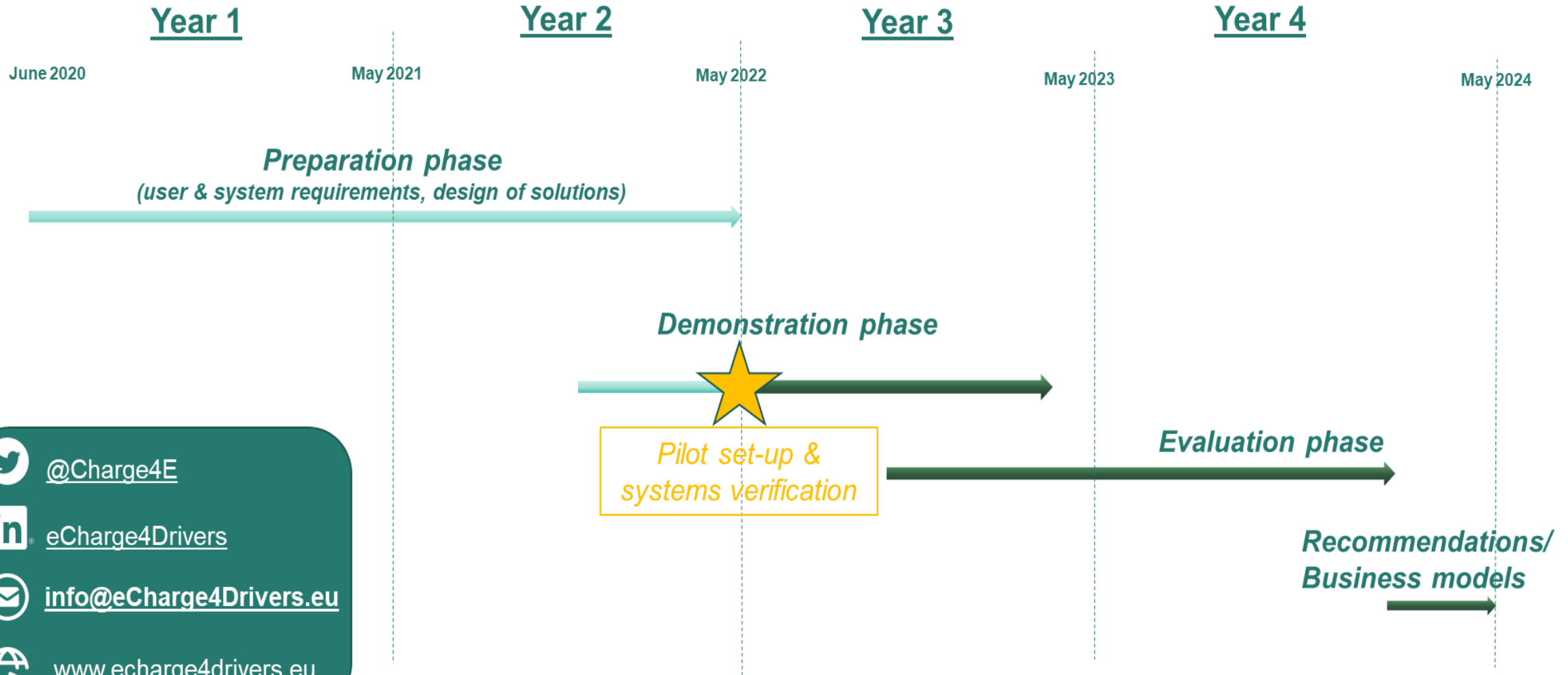
- Main reasons for choosing an EV
- Smart charging flexibility - duration of charging sessions
- Sustainability of investment
- User preferences


Survey period: 23/11/2020 - 8/03/2021


4.703 participants, 2.966 eligible respondents





eC4D project status & plan



 @Charge4E

 eCharge4Drivers

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 www.echarge4drivers.eu



Smart and
Sustainable
Mobility
for all.

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EUROPEAN
CONGRESS
TOULOUSE
30 May - 1 June 2022

Thank you!