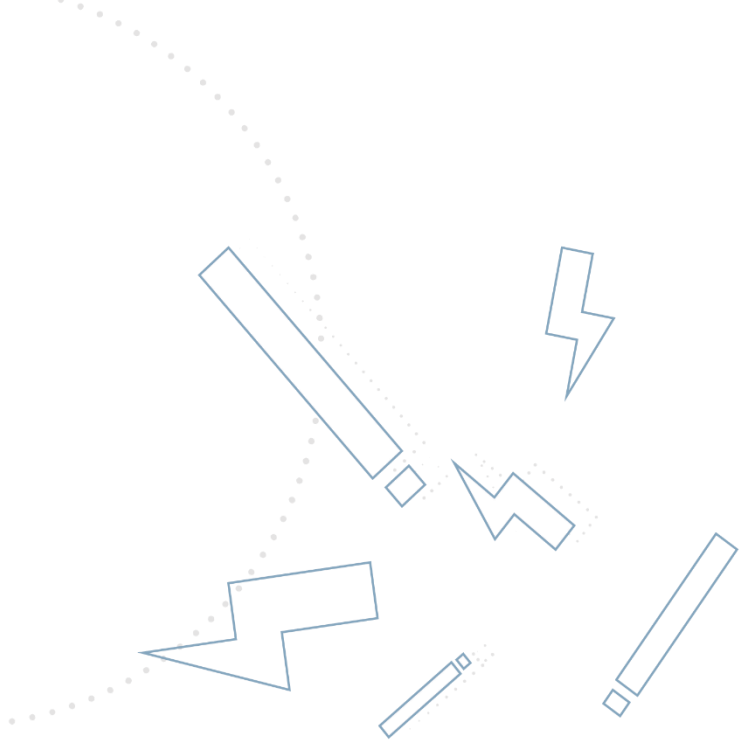


The CHALLENGES

Currently most EV owners have their own garage and live in peri-urban areas...

The market share of full electric vehicles is still low in many European member states…

Current business models and revenues from charging infrastructure are not enough to ensure a sustained market growth…

Innovative solutions are required to allow EV drivers having a similar mobility experience than with conventional vehicles…

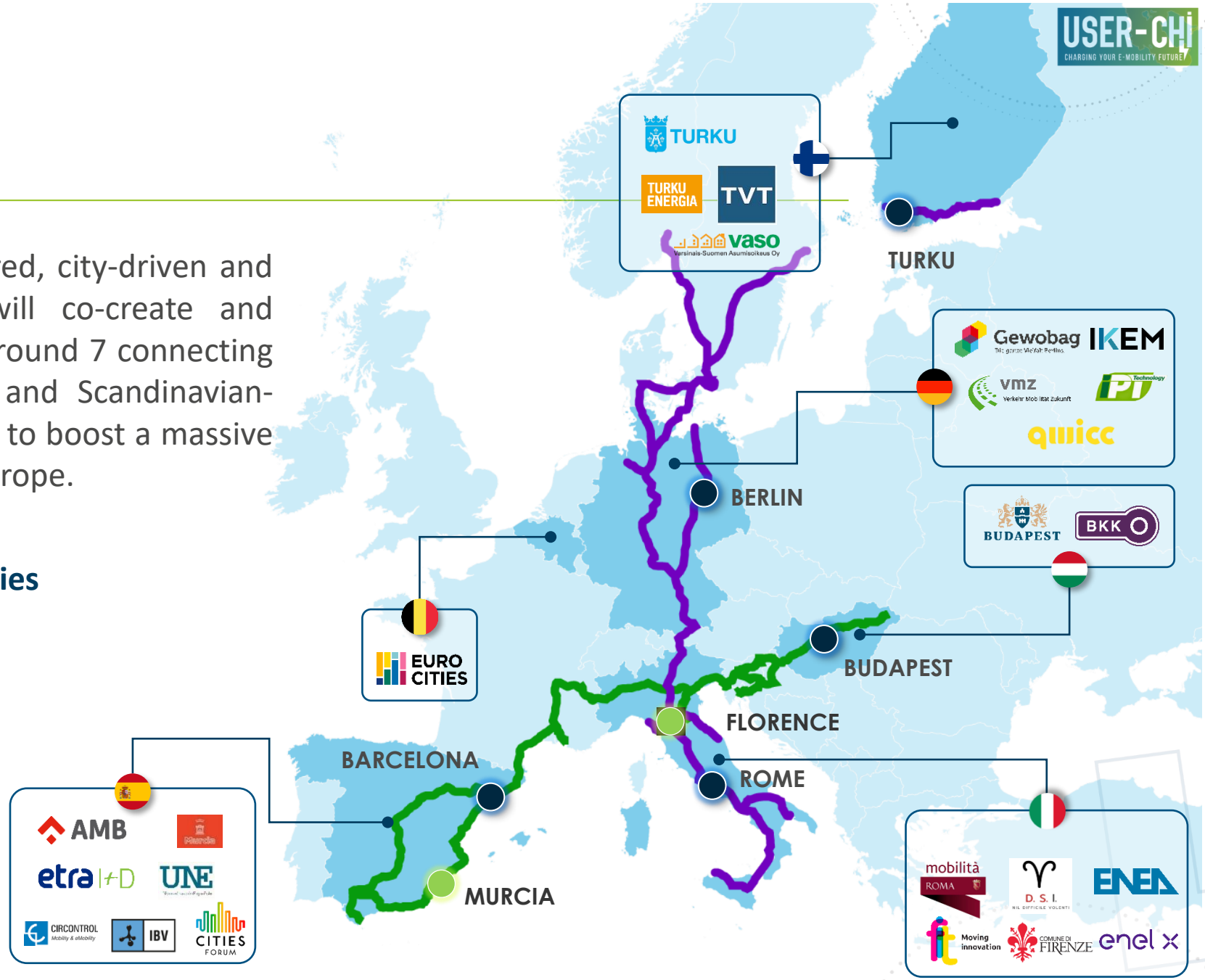
Support the accelerated deployment of EV charging infrastructure in Europe

THE PROJECT

USER-CHI is an industry-powered, city-driven and user-centric project which will co-create and demonstrate smart solutions around 7 connecting nodes of the Mediterranean and Scandinavian-Mediterranean TEN-T corridors to boost a massive e-mobility market take-up in Europe.

5 demo sites + 2 replication cities

- Barcelona
- Berlin
- Budapest
- Rome
- Turku
- Florence
- Murcia

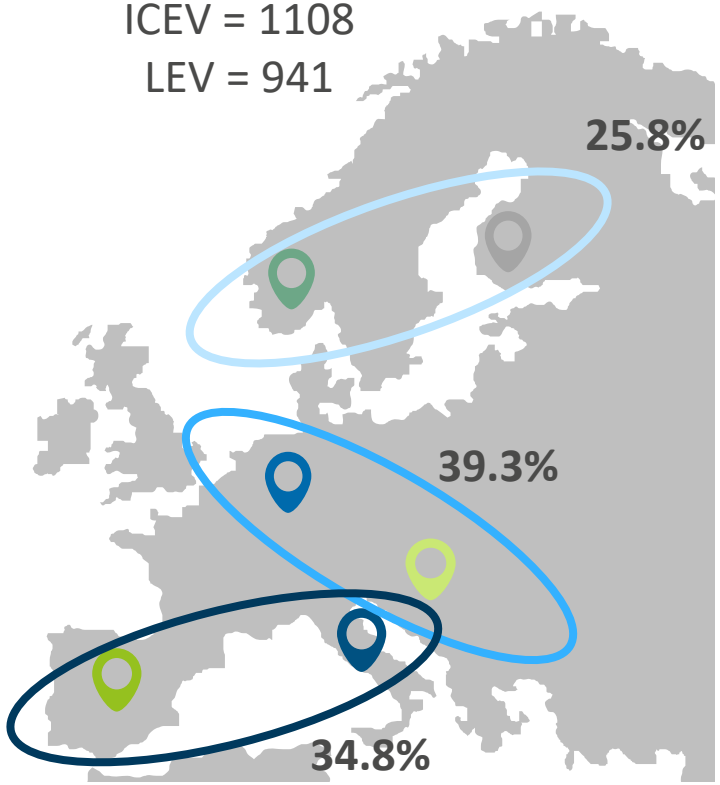


Objectives

1. DESIGN OPTIMISATION OF CHARGING NETWORKS WITH A USER-CENTRIC APPROACH
2. DEPLOYMENT OF AN INTEROPERABILITY FRAMEWORK AND PLATFORM
3. SCALABLE INFRASTRUCTURE ROLL-OUT BY MEANS OF SMART GRID INTEGRATION
4. DEVELOPMENT OF INNOVATIVE AND HIGHLY CONVENIENT CHARGING SYSTEMS
5. DEMONSTRATION OF NOVEL BUSINESS AND MARKET MODELS
6. LEGAL AND REGULATORY RECOMMENDATIONS FOR MASSIVE EV DEPLOYMENT

2. Main results of USER-CHI survey. Sample description

Total sample
EV = 688
ICEV = 1108
LEV = 941



A survey performed in six EU countries (Finland, Hungary, Germany, Italy, Norway and Spain) from 21st of July to 31st of July (2020)

Finland
EV=54
ICEV=176
LEV=103

Germany
EV=169
ICEV=188
LEV=165

Hungary
EV=117
ICEV=271
LEV=167

Italy
EV=134
ICEV=113
LEV=232

Norway
EV=72
ICEV=202
LEV=100

Spain
EV=142
ICEV=158
LEV=174

2. Main results of USER-CHI survey

Differences of Type user/driver between EV vs ICEV

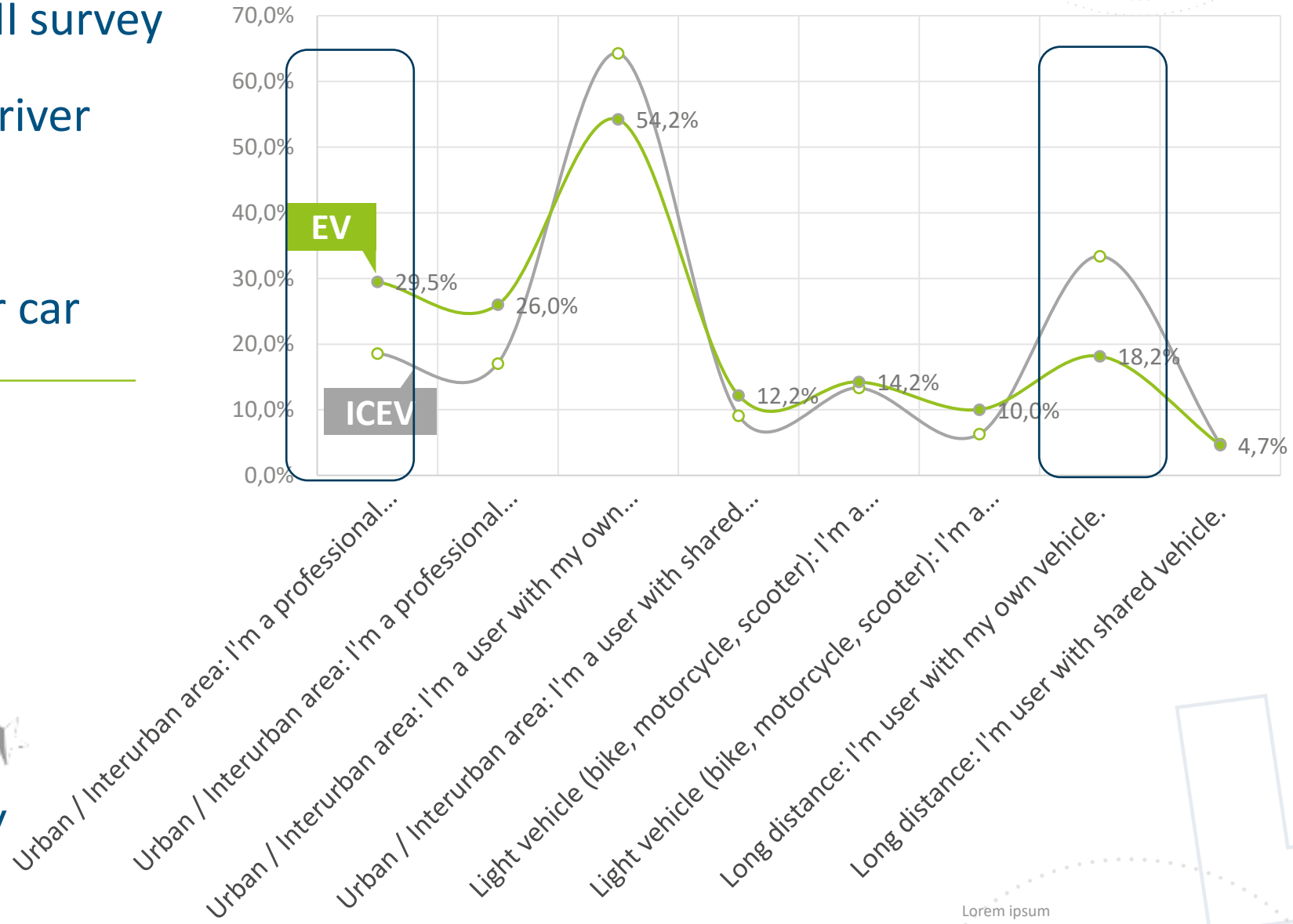
Satisfaction level with your car

4.4

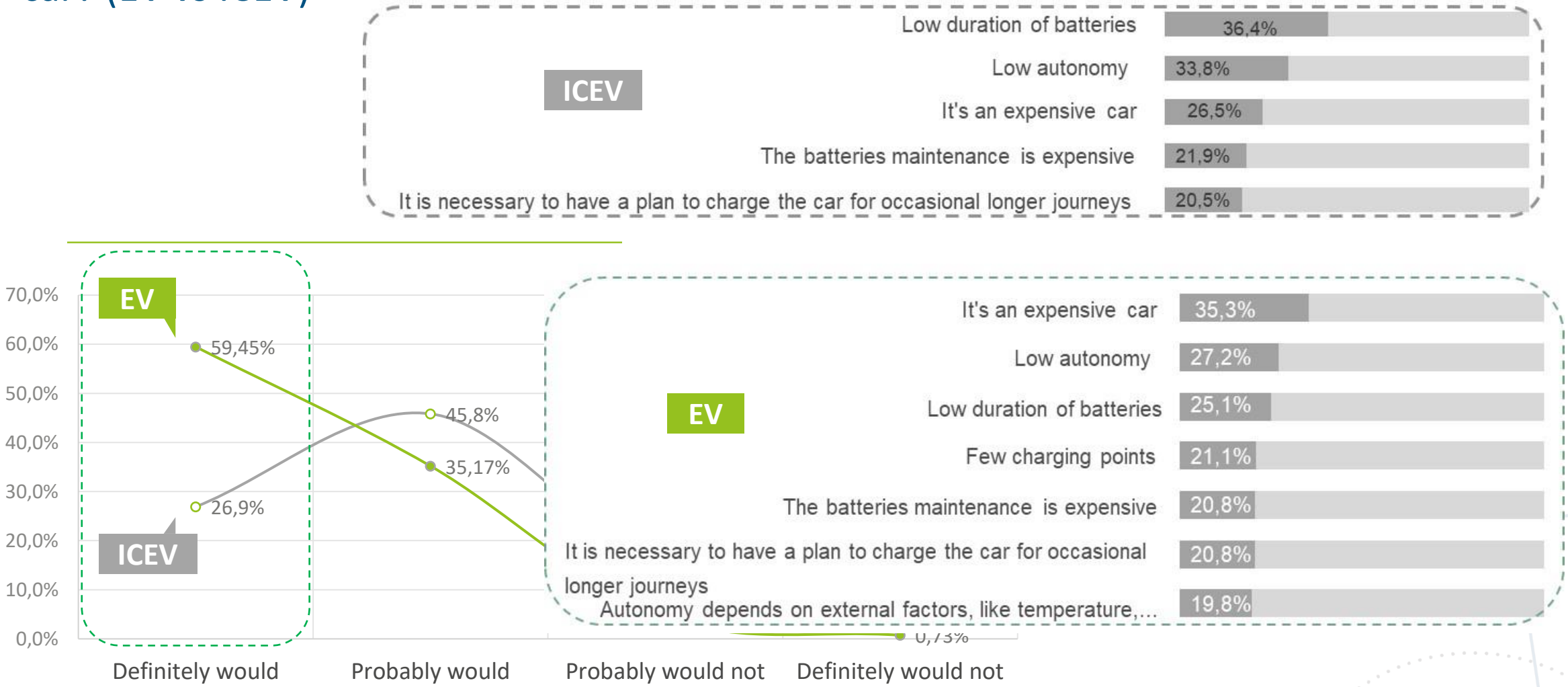
Mean of EV

4.4

Mean of ICEV

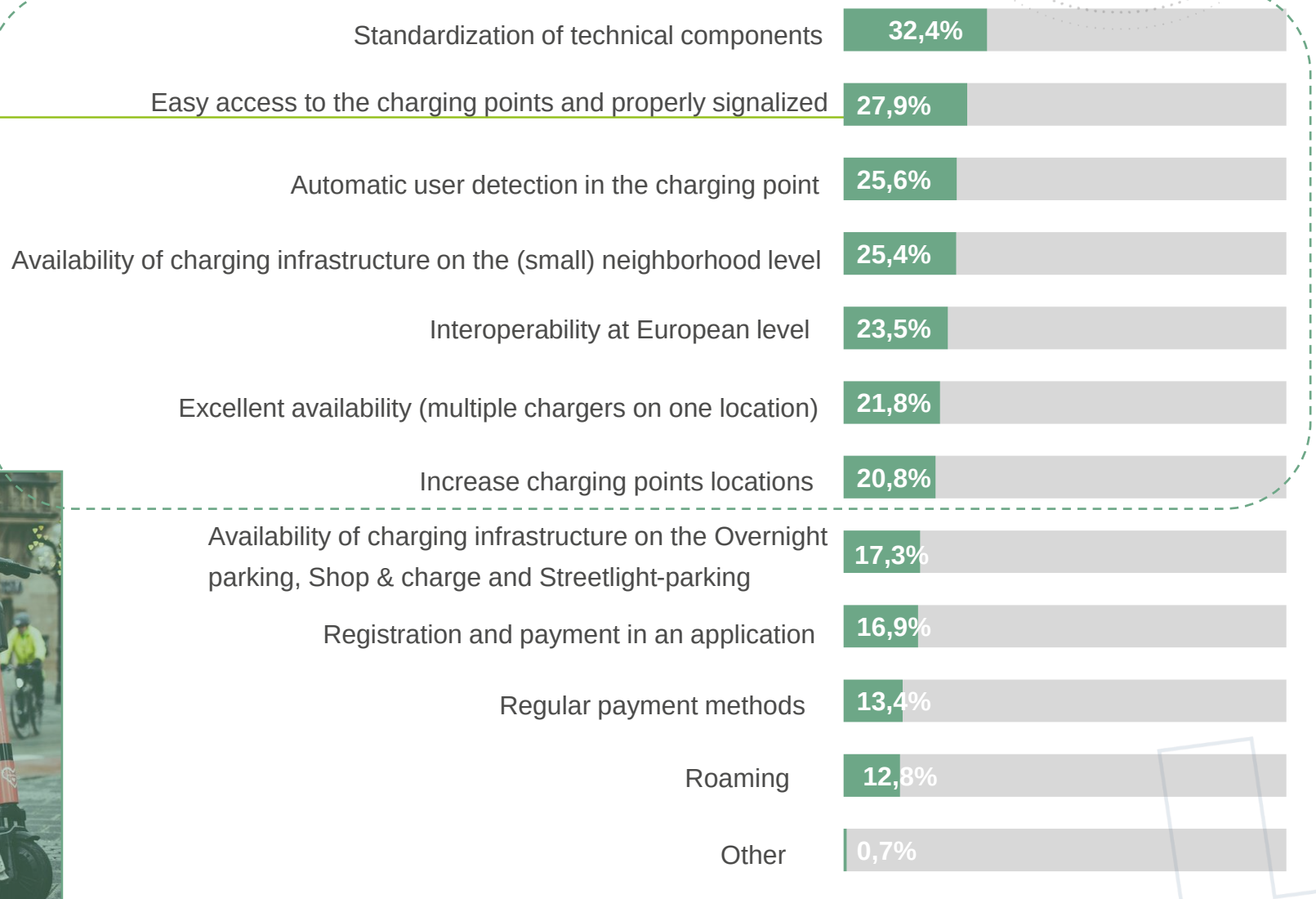


2. Main results of USER-CHI survey. Would you buy an electric vehicle as your next car? (EV vs ICEV)

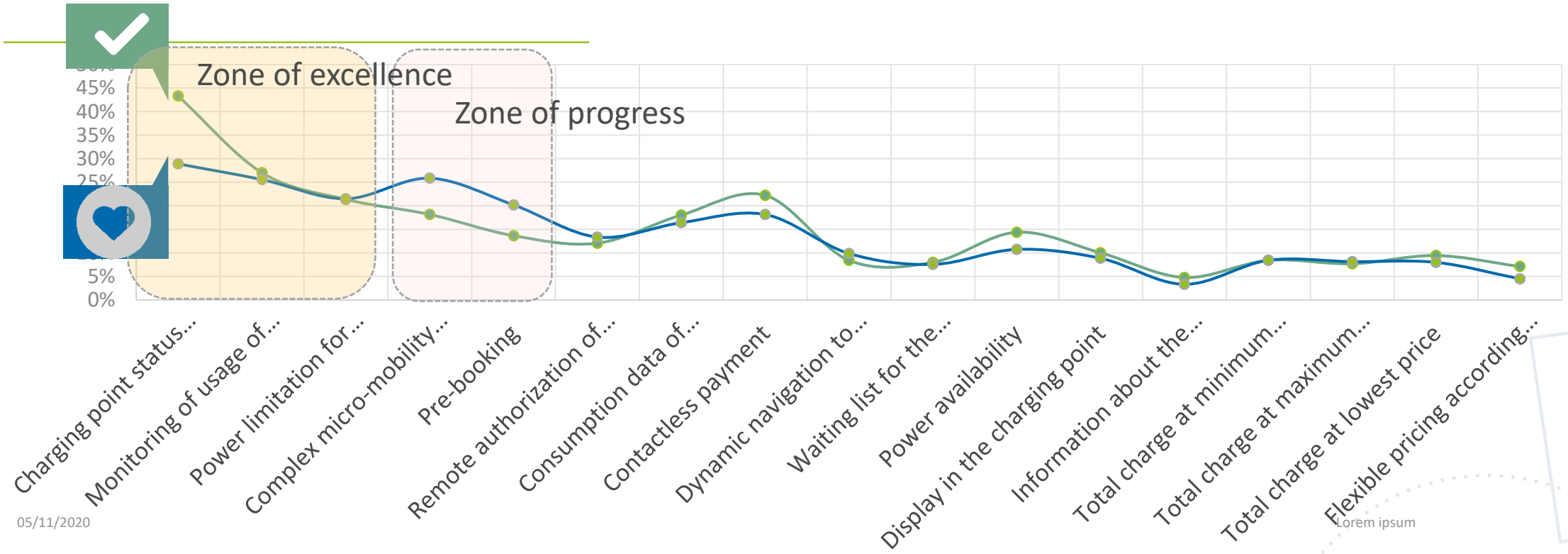


2. Main results of USER-CHI survey. Electromobility plans

Thinking in a new generation of charging stations: which are your expectations regarding features they should have? (Check the most relevant three options)



2. Main results of USER-CHI survey. SERVICE FEATURES. Differences between “the features that they are employing actually” and “the features they are more interested in”

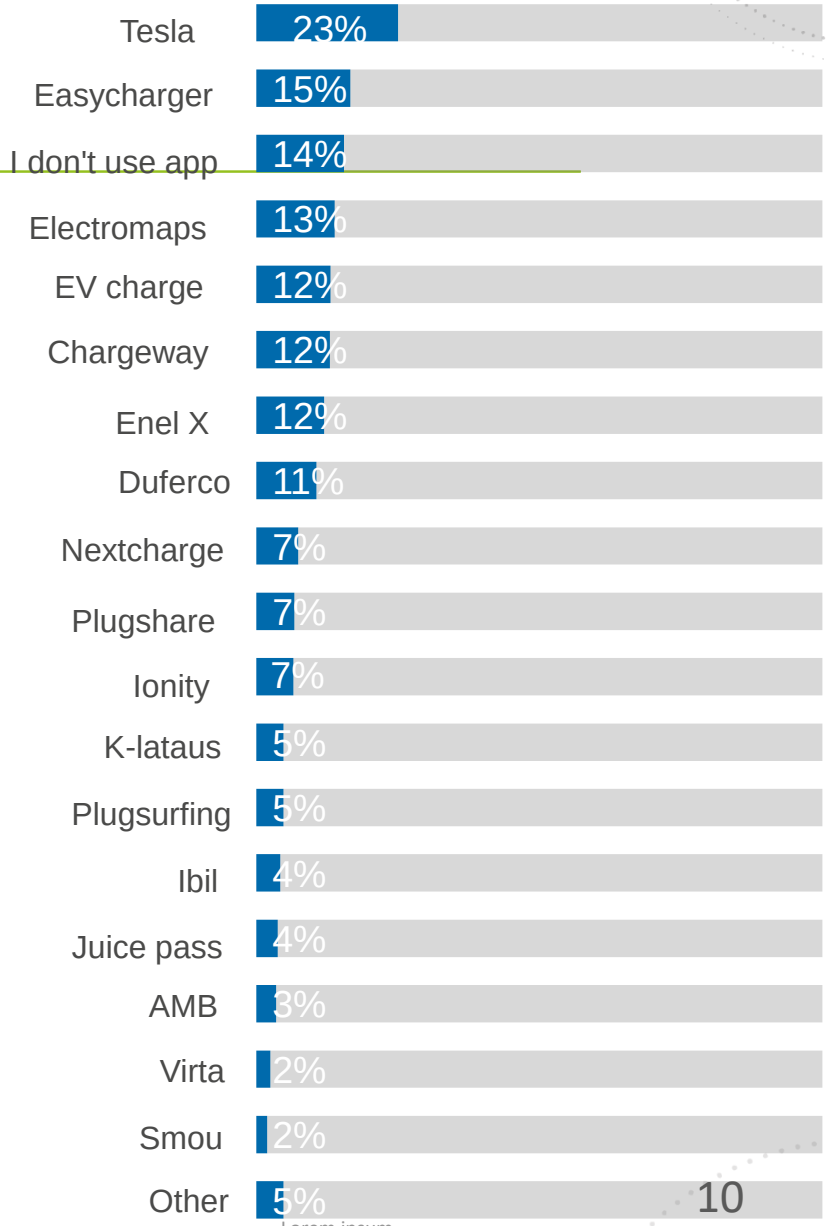


2. Main results of USER-CHI survey. CHARGING EXPERIENCE -APPs

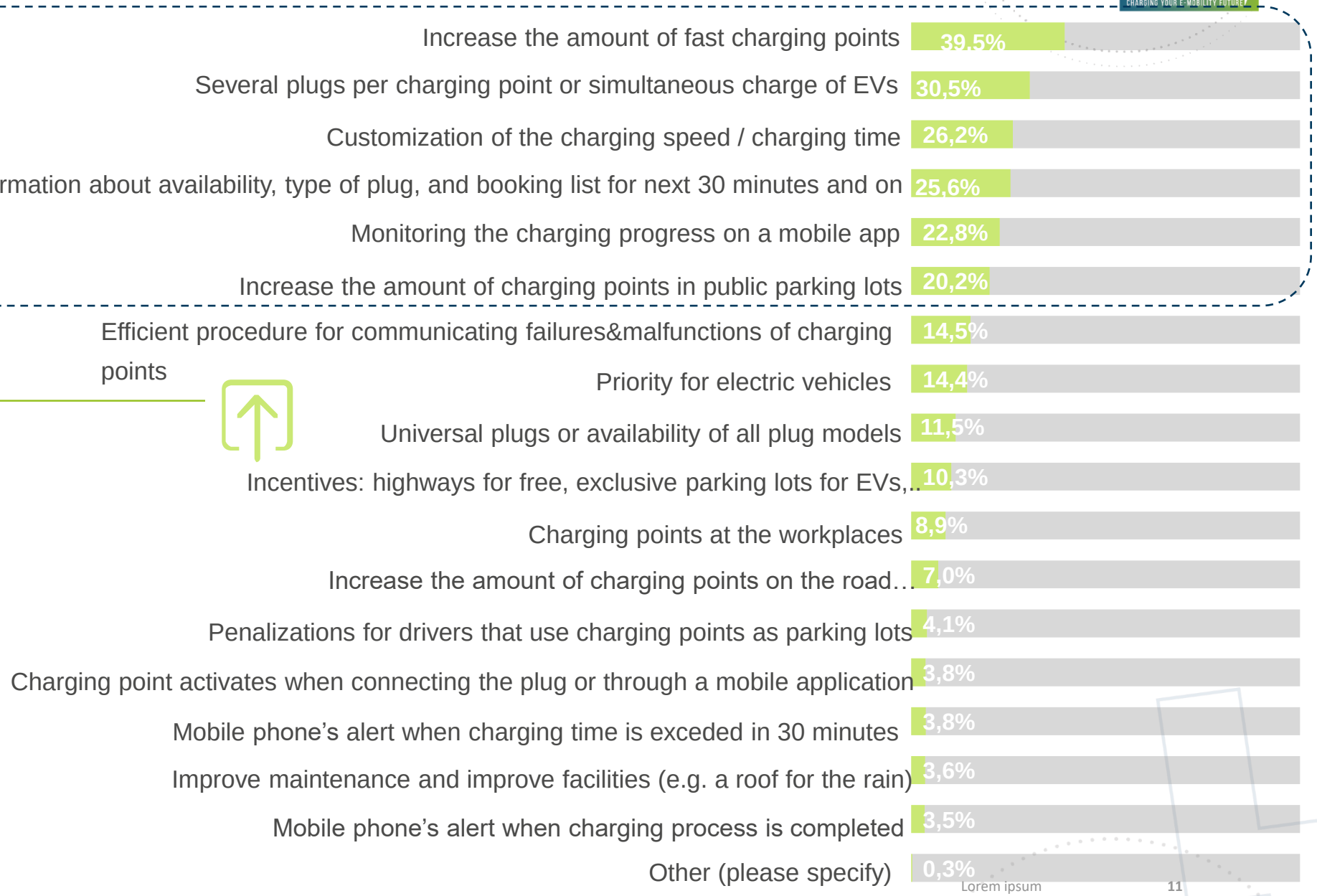
Which is the charging app you use?

4.2

Rate of App



2. Main results of USER-CHI survey. Best ideas to improve the charging process



THANK YOU!

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Twitter: @Userchi_H2020

LinkedIn: https://bit.ly/2W7M3mW

Website: www.userchi.eu

Email: info@userchi.eu