USER-CHI

CHARGING YOUR E-MOBILITY FUTURE

GET IN TOUCH!

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IBV INSTITUTO DE BIOMECÁNICA DE VALENCIA

AMB

BUDAPEST
A VÁROS, AMELY EGYESÍT

BKK BUDAPESTI KÖZLEKEDÉSI KÖZPONT

Gewobag
Die ganze Vielfalt Berlins

vmz Verkehr Mobilität Zukunft

IKEM

EUROCITIES

mobilità ROMA

Moving innovation

ENEA
Italian National Agency for New Technologies, Energy and Sustainable Economic Development

DSI NON DIFFICILE VOLERTI

enel X

PT TECHNOLOGY

TURKU ÅBO

TURKU ENERGIA

TVT

VASO
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CITIES FORUM

USER-CHI

CHARGING YOUR E-MOBILITY FUTURE

WHAT IS USER-CHI?

LOOKING FOR A EUROPE WHERE ELECTRIC VEHICLE CHARGING IS WIDESPREAD, EFFICIENT AND WORKS FOR USERS?

Look no further than USER-CHI. Industry powered, city driven and user-centric, USER-CHI will co-create and demonstrate smart solutions around 7 connecting nodes of the Mediterranean and Scandinavian-Mediterranean Trans-European Transport Network (TEN-T) corridors between February 2020 – January 2024 to boost a massive e-mobility market take-up in Europe.

OBJECTIVES

USER-CHI WILL UNLOCK THE MASSIVE POTENTIAL OF ELECTROMOBILITY IN EUROPE BY:

Designing electric charging networks around **user needs**

Deploying an **interoperability** framework and platform

Enhancing scalable infrastructure roll-out by means of **smart grid integration**

Developing **marketable**, **innovative** and highly **convenient** charging systems

Co-designing and demonstrating novel and **sustainable business and market models**

Making legal and regulatory **recommendations** for a **massive deployment** of electric vehicles

USER-CHI PRODUCTS

To deliver its strategic objectives, USER-CHI will design and develop a set of solutions covering all aspects of a massive deployment of electric vehicles:

CLICK – CHARGING LOCATION AND HOLISTIC PLANNING KIT:
An online tool for the location planning of new charging infrastructure in cities and TEN-T corridors.

STATIONS OF THE FUTURE HANDBOOK:
Guidelines and recommendations to design the perfect user-centric charging station of the future.

eMoBEST – e-MOBILITY REPLICATION AND BEST PRACTICE CLUSTER:
A collaboration platform to facilitate the transfer of best practices among the demonstration and replication cities.

INFRA – INTEROPERABILITY FRAMEWORK:
A package of rules, guidelines and recommendations that will support highly interoperable processes among the electromobility stakeholders.

INCAR – INTEROPERABILITY, CHARGING AND PARKING PLATFORM:
A platform providing roaming and barrier-free access to EV charging points and offering related innovative integrated services for the EV drivers.

SMAC – SMART CHARGING TOOL:
A tool providing smart grid integration and demand management services for slow, medium, fast and ultrafast charging.

INSOC – INTEGRATED SOLAR DC CHARGING FOR LIGHT ELECTRIC VEHICLES (LEVS):
A solution combining charging, onsite production of renewable energy and theft-proof parking for Light Electric Vehicles.

INDUCAR – INDUCTIVE CHARGING FOR E-CARS:
A wireless and highly automated charging solution for e-cars.

USER-CHI CITIES

THE USER-CHI SOLUTIONS WILL BE DEMONSTRATED IN 5 URBAN AREAS ALL ALONG THE EUROPEAN TERRITORY:

Barcelona metropolitan area (Spain), Berlin (Germany), Budapest (Hungary), Rome (Italy), and Turku (Finland).

TEN-T Corridors

Scandinavian-Mediterranean

Mediterranean

Since large scale replication and transferability of USER-CHI results is one of the cornerstones of the project, two replication cities - Murcia and Florence - will replicate select solutions.

TURKU

BERLIN

BUDAPEST

BARCELONA

FLORENCE

ROME

MURCIA