



# GENERAL OBJECTIVES

## I. Ensure a leap forward in user's confidence, functionalities and energy efficiency of future EVs

- Realise novel connected functionalities as reliable range prediction, Eco-routing and Eco-driving integrated together with Assured & Fast Charging;
- Achieve significant energy savings and enable long(er) distance trips with minimal additional travel time due to charging;
- Leverage user convenience and user's confidence and largely increase the trust in future EVs.

## II. Ensure the affordability of future electric vehicles by a user centric development approach

- Improve affordability and consider actual vehicle usage patterns to verify the design specification of the components;
- Refine or derive methodologies for supporting electric vehicle(subsystem) simulation models;
- Provide innovative solutions to increase sales volumes and to open up further cost reductions in mass production.

## III. Validation of advanced components and systems, novel connected control strategies and functionalities

- Implement / integrate selected components and systems, the connected control strategies and functionalities into an early assessment prototyping vehicles (BOSCH) & demonstrators (CRF, FORD).

## IV. Assessment of the impact of the technical advancements of CEVOLVER and their applicability in different EV types and vehicle classes

- Assess the impact of CEVOLVER innovations in terms of energy saving potential, user experience and market potential (incl. cost reduction in mass production);
- Prove the feasibility of ensuring durability and lifetime of specific vehicle components through use of optimal connected control strategies.

# WP STRUCTURE

