EGVI

European Green Vehicles Initiative

European Green Vehicles Initiative PPP

Joint EC/EGVIA workshop for advanced automotive batteries research

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Past activities related to batteries

- **Experts workshop "Post Lithium Ion Batteries for electric automotive applications"**, January 21st 2014 in Brussels
  - Overview of current European and national projects
  - Research challenges for post Li-Ion batteries: expectations and opinions from the Industry

- **Expert Workshop Testing of Electrical Vehicle Performance and Safety,** July 3rd, 2014 in Brussels
  - State of the art: opinions and expectations from the industry
  - International cooperation activities
  - Research and Innovation needs in testing and evaluation procedures
    - Battery safety
    - EVs and PHEVs environmental and technological evaluation
    - Standardisation needs/ testing methods for safe multiple outlet charging stations

Ongoing activities related to batteries

- **Collaboration Agreement signed in 2015 with the JRC on Battery Testing with the objective to:**
  - To improve a science-based understanding of the fundamental processes which affect battery performance and safety
  - To generate scientific data for supporting standardization
  - To conceive, develop and evaluate innovative experimental techniques
  - To exchange knowledge and information to assist mapping of Europe's current battery testing capabilities and future testing needs

- **Support to the various initiatives launched by the European Commission in battery and electromobility:**
  - STRIA
  - SET-Plan
  - Workshop on battery production

EGVI batteries related calls

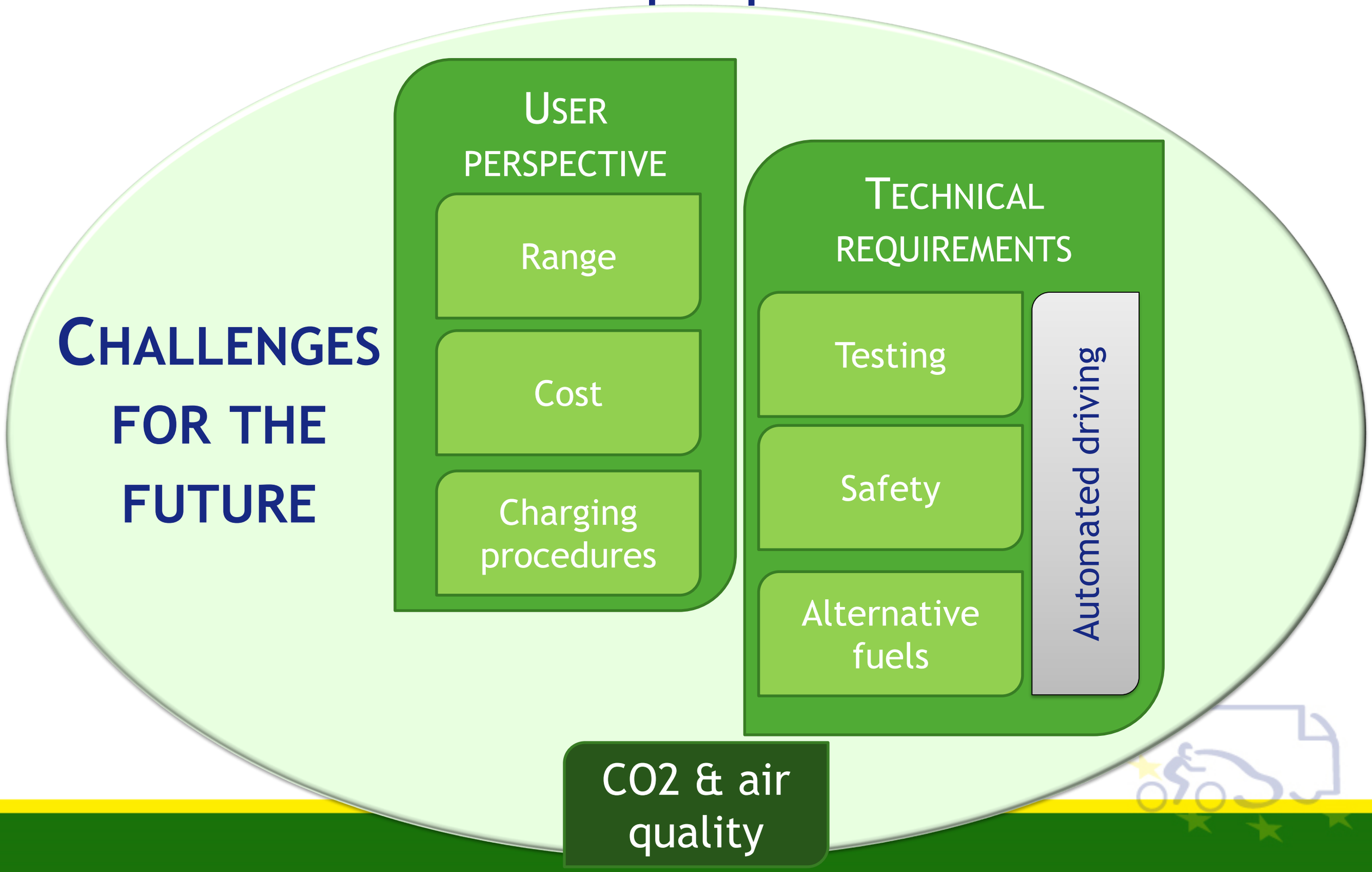
- **NMP-17-2014:** Post-lithium ion batteries for electric automotive applications
- **GV.1-2014:** Next generation of competitive lithium ion batteries to meet customer expectations
- **GV-06-2017:** Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency (*in the continuity of GV.1-2014*)
- **GV-07-2017:** Multi-level modelling and testing of electric vehicles and their components
- **GV-13-2017**: Production of next generation battery cells in Europe for transport applications

Joint ERTRAC-EPoSS-Smart Grids roadmap - electrification of road transport

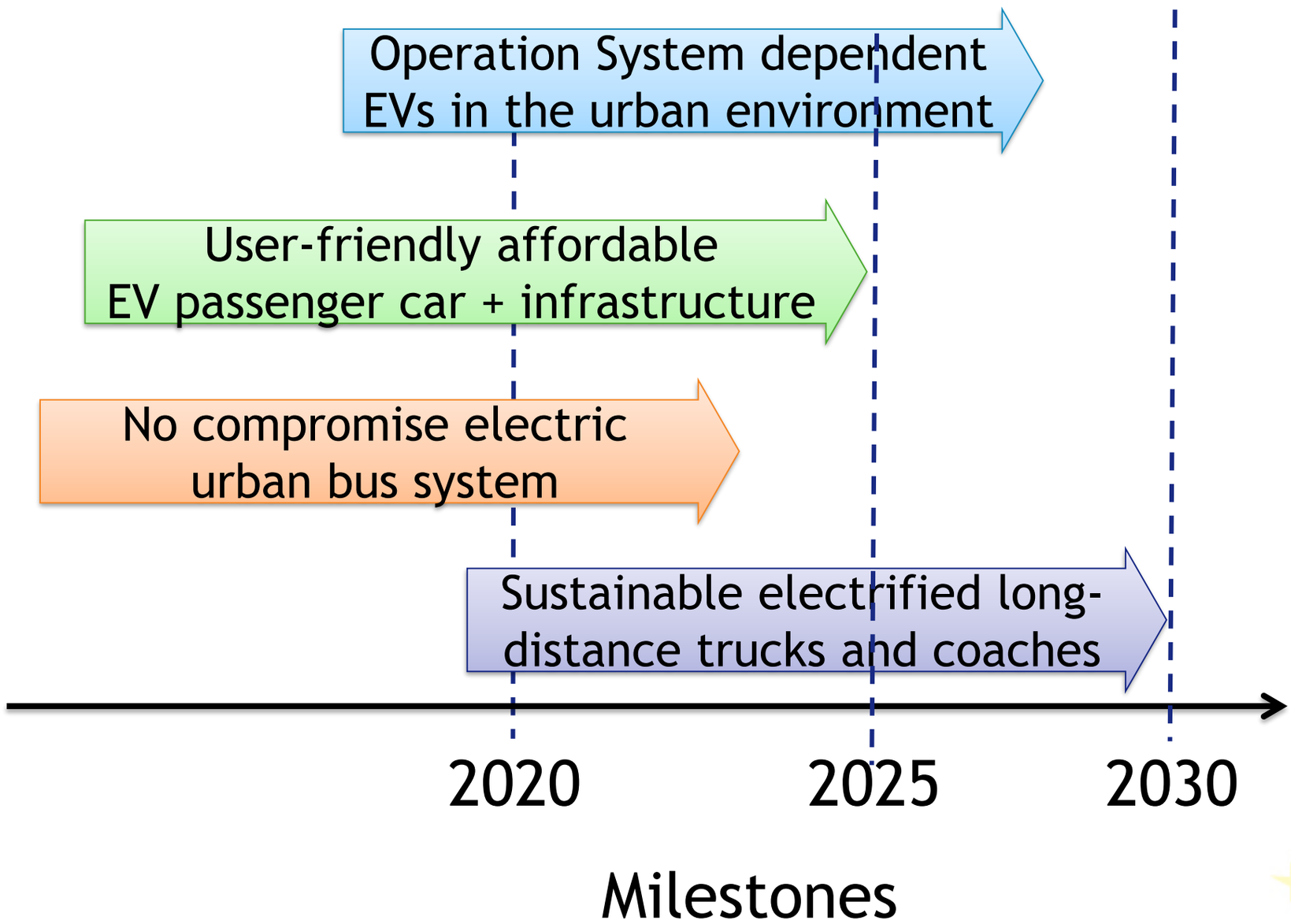
- First version has been released in 2009 and an update had been performed in 2012

- Time to assess the achievements and set objectives for the future
  - ► Milestone 2012: Adaption of existing vehicles (successfully passed)
  - ► Milestone 2016: 2nd generation updated powertrain (good description of the state of the art)

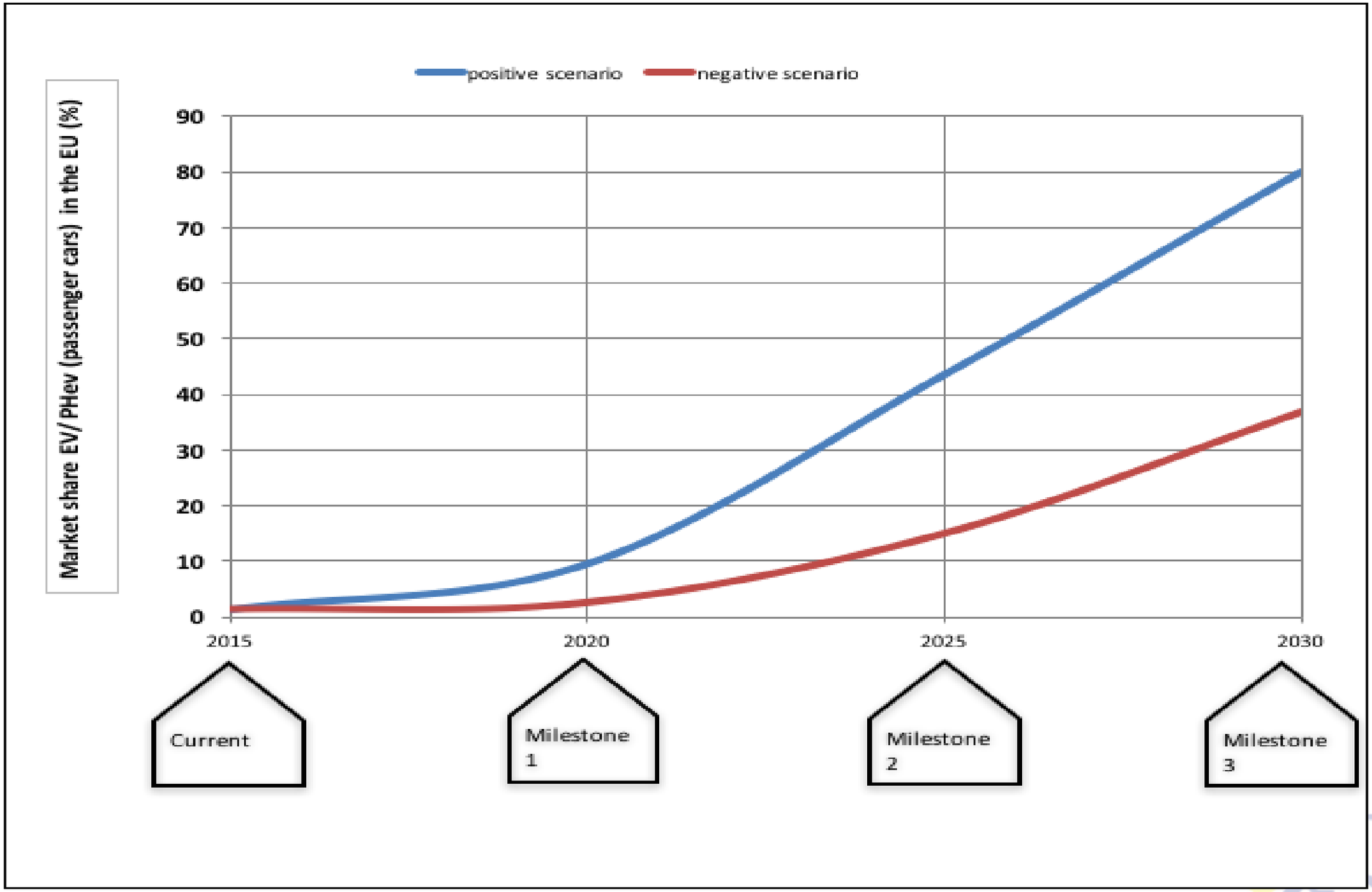
EGVIA Storyline for 2018 / 2020 (and beyond) - taking into account customer perspective



Strategic initiatives (draft version)



Deployment curves (draft version)



Objective of today's meeting

- Present the outcomes of EU funded project in the area of automotive battery
- Exchange views on results and experience
- Discuss future research needs

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Thank you for your attention!

More information? **www.egvia.eu**

Contact: **info@egvi.eu**