



LCA and circular economy approaches for sustainable and innovative road mobility solutions

Get lunch with 2Zero Pillar 4



Welcome to Get lunch with 2Zero

Pillar 4

Thank you for joining us.

Please make sure to have your micro muted.

Any question can be asked through the chat.

The presentations will be accessible on the EGVI website and will be shared by email to the participants, after the event.

The meeting is being recorded.



2Zero partnership overview

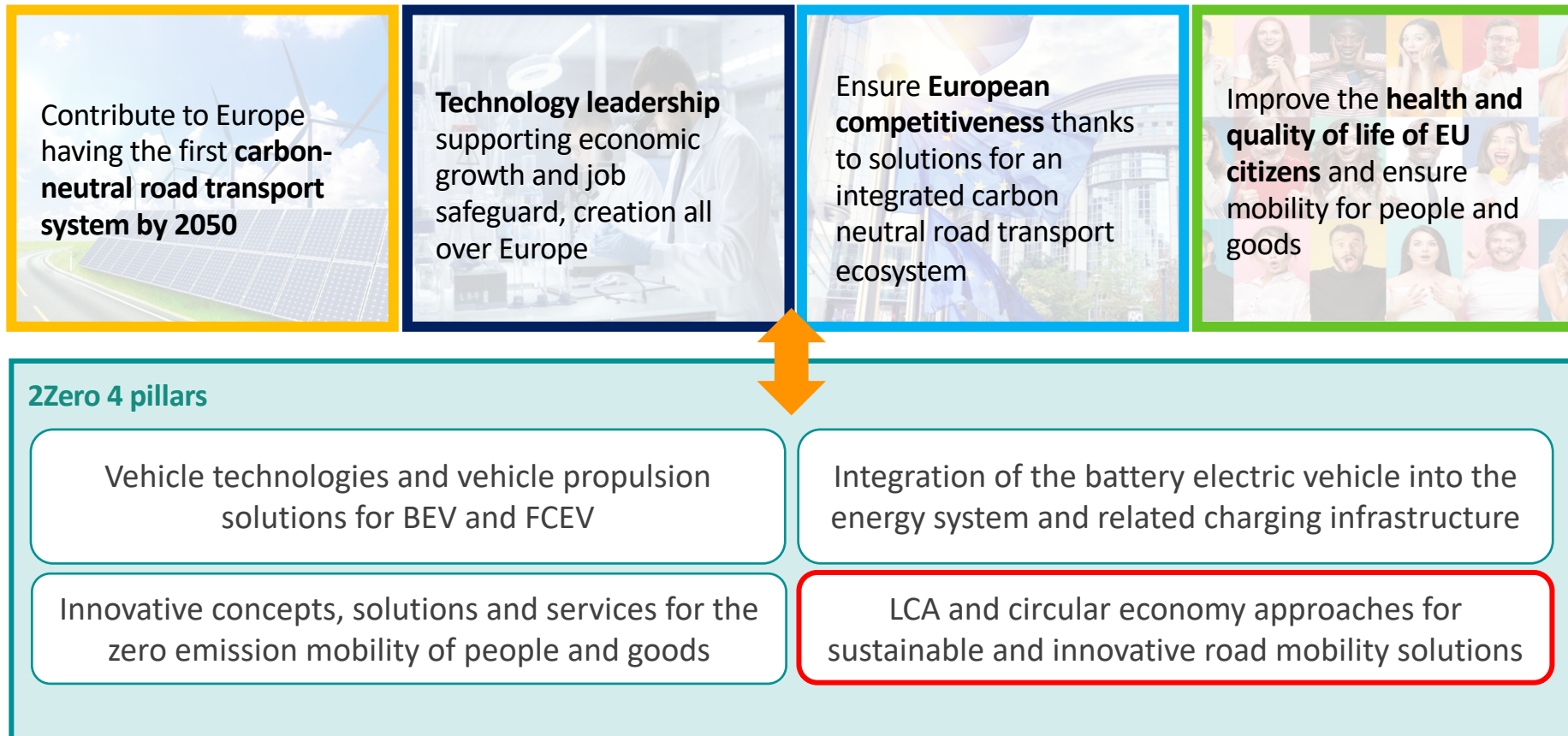
Lucie Beaumel

Who we are



- **Building on the success of** the European Green Vehicles Initiative cPPP in Horizon 2020 and the successful experience from Green Cars.
- **Involvement of the public side** (DG RTD, DG MOVE, DG ENER, DG CLIMA) **and the Association** gathering the members of the private side of the partnership
- **Main objectives:**
 - Deliver research topics recommendations for 2Zero calls
 - Disseminate information within the research community
 - Promote the partnership and its collaborative cooperation
- **The Association is** currently composed of **99** industry, research and associate members

What do we want to achieve?



Focus on zero tailpipe emission solutions



Battery Electric

Fuel cell electric vehicles



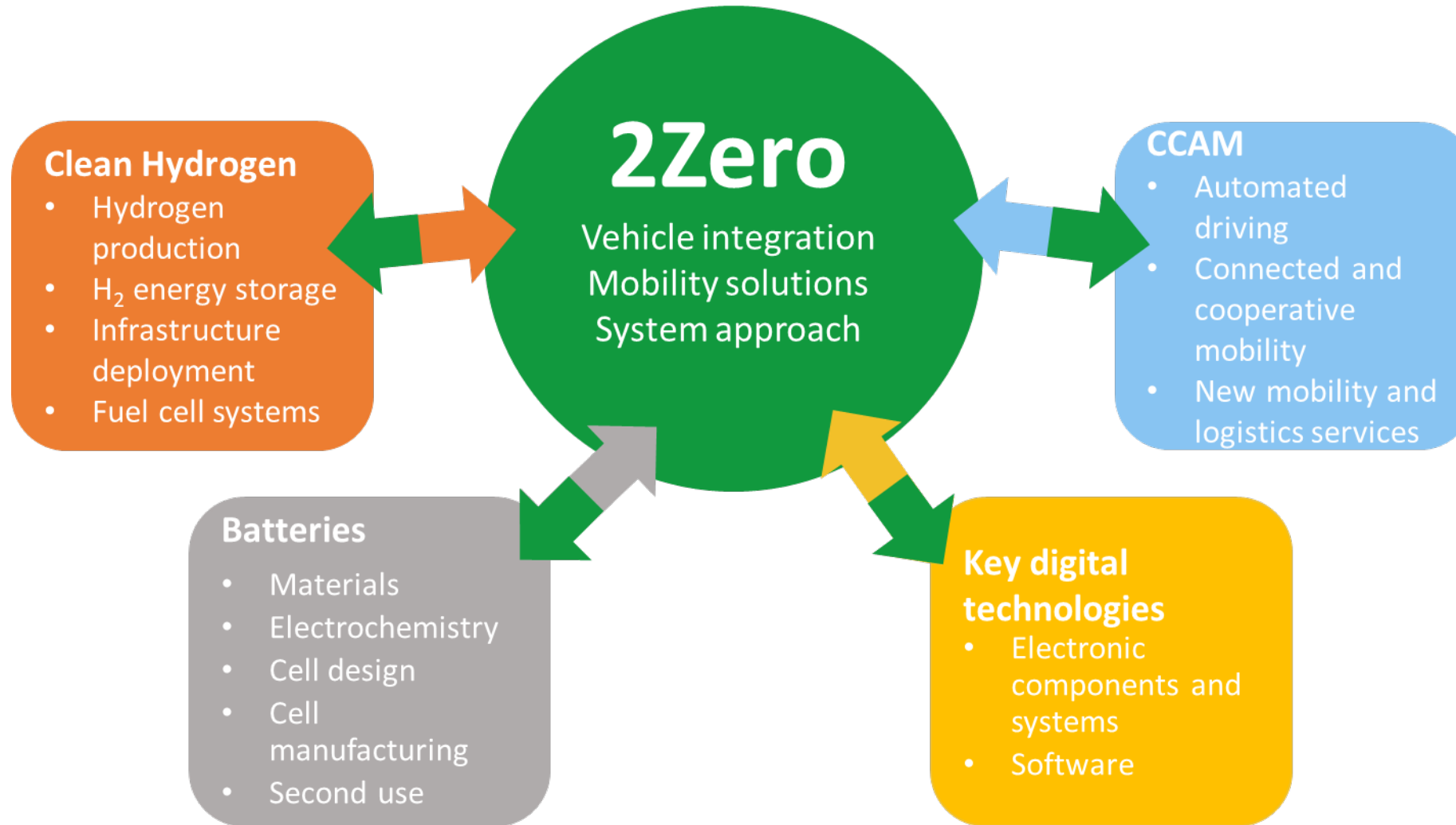
BEV

- Vehicle integration of innovative battery technologies
- Vehicle architecture
- Battery management systems and thermal system
- Battery packs and modules
- Power electronic and charging solutions
- Advanced electric motors
- Integration of BEV into the grid

FCEV

- Electrification of heavy duty vehicles
- Integration of fuel cell systems into vehicles, focusing on heavy duty vehicles
- Synergy of electronics and vehicles architecture with electric vehicles
- Integration of hydrogen components (tank, sensors,...)

Coordination with other partnerships





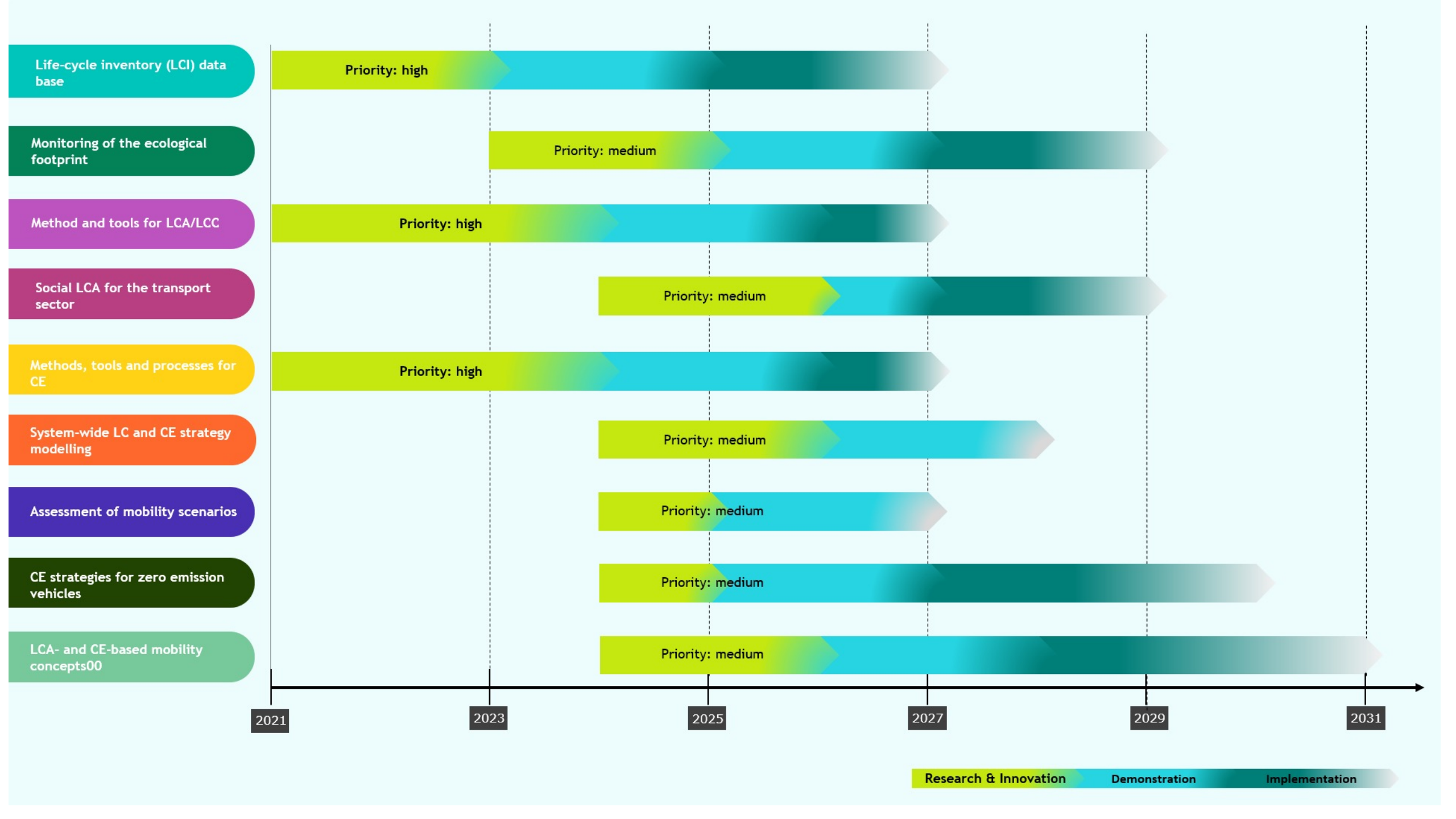
What to expect from Pillar 4?

Co-leaders

Key objectives of Pillar 4



- Coherent and systematically harmonised assessment of the ecological footprint of technologies, non-technical measures and product life-cycle processes
- Implementation & anchoring of circular economy strategies as measure to lower the ecological footprint (including value and supply chain)
- Accelerating the uptake of sustainable solutions towards a zero emission road transport



What will we start with?



- LCA and design for sustainable circularity - holistic approach for zero-emission mobility solutions and related battery value chain

Towards Zero Emission Road Transport
Partnership



THANK YOU

See you tomorrow at the MoU signature ceremony
organised during the R&I Days

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Follow us on

