

Towards zero emission road transport
partnership



Update on the 2Zero partnership

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2Zero Work Programme 2021/2022



- Nextgen vehicles: Innovative zero emission BEV architectures for regional medium freight haulage:
 - Topic published in 2021
 - Demonstration activities of improvement of BEV performance for daily operation in real conditions.
 - The topic was very ambitious.
- First outcomes of the evaluations
 - 3 proposals have been submitted
 - 1 proposal have been invited to the Grant Agreement Preparation.

2Zero Work Programme 2021/2022



- Modular multi-powertrain zero-emission systems for HDV (BEV and FCEV) for efficient and economic operation:
 - Topic published in 2022
- First outcomes of the evaluations
 - Deadline to submit proposal: 26th April 2022
 - Overall budget for the topic: € 58 Million
 - Expected budget per project: €15 - 20 Million
 - TRL to be achieved: 7 - 8
 - Innovation Action

EGVIAfor2Zero inputs to the 2023/2024 Work Programme



- Inputs have been gathered from all EGVIAfor2Zero members, based on current knowledge of the State of the Art, the research and innovation priorities identified in the SRIA and previously funded activities.
- A compiled input has been prepared for first discussions with the EC, organized at the end of 2021.
- All areas of the SRIA are covered by this first proposal.

Initial list of EGVI Afor2Zero topics ideas



- 3 ideas of direct interest to ALICE stakeholders
 - The optimal usage and fleet management of EV and shared EV (people + logistics)
 - Vehicle related topic for last mile transport (BEV / FCEV)
 - Demonstration and scalability of 0 tailpipe emission vehicles in real life logistics operations
- 2 ideas relevant to ALICE stakeholders
 - Modelling road transport as a system
 - Digital twinning towards diagnostics, prognostics, and predictive maintenance of fleets and remaining useful life of components and vehicles

EGVIAfor2Zero inputs to the 2023/2024 Work Programme



- Following the Partnership Board and the Programme Committee meetings, a reduced list of topics has been elaborated, merging various items together and including new topics recommendations.
- This new list has been shared with the Programme Committee members, and the first round of comments from Member States have been included
- The description of scope and expected outcomes for these topics is still ongoing.

Tentative list of 2Zero topics



- 2 topic of direct interest:
 - Co-designed smart systems and services for user-centred shared zero-emission mobility of people and goods in urban areas
 - New designs, shapes, functionalities of Light Commercial Vehicles
- 2 topics of relevance:
 - Stationary, static, smart, low-cost pervasive slow charging and bi-directional solutions compatible with the grid for EV mass deployment
 - Integrated flexible multipoint megawatt charging systems for electric truck mass deployment

Next steps for the WP preparation



- 21 March: 2nd draft of the 2Zero topics to be shared (by the EC) with the Programme Committee
- Several exchanges and modifications will still occur until June 2022, taking into account inputs from 2Zero.

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THANK YOU

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