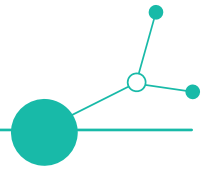# Call for experts: Transnational Thematic Focus Groups

02 2025

### A.1.1.    1. Electrification: Scaling and Promoting Innovation in Battery Technologies & Charging Infrastructure

- ▪ **Objective of the Expert Group:**

- Identification of synergies in battery technology through collaborations between OEMs, suppliers, and research institutions.

- Definition of best practices for scalable battery production in Europe and cost reduction strategies.

- Development of use cases for second-life and recycling concepts to enhance sustainability.

- Promotion of new charging infrastructure concepts, e.g., ultra-fast charging or vehicle-to-grid integration.

- ▪ **Value for Experts:**

- Direct access to cross-industry partners for collaborations and investments.

- Opportunity to shape standards for the European market.

- Utilization of the network for technology transfer and identification of funding opportunities.

### A.1.2.    2. Automation: Scaling Level 4+ Autonomous Driving Without Safety Drivers

- ▪ **Objective of the Expert Group:**

- Analysis of international best practices for scaling L4 technologies and derivation of recommendations for Germany.

- Development of use cases for autonomous driving in logistics, ride-hailing, and industrial applications.

- Identification of regulatory gaps and challenges in Europe vs. international markets.

- Development of a blueprint for the introduction of autonomous fleets in defined test regions.

- ▪ **Value for Experts:**

- Collaboration with leading companies to pilot real-world applications.

- Influence on political and regulatory decisions through targeted lobbying.

- Identification of investment and cooperation opportunities for scaling L4 technology.

- ▪ **Page 2**

### A.1.3.  3. Platform Economy: Building an Ecosystem for Data-Driven Mobility Services

■ **Objective of the Expert Group:**

- Development of a framework for data-driven business models in mobility (e.g., Mobility-as-a-Service, fleet management, digital marketplaces).

- Promotion of open, interoperable platforms for collaboration between the automotive industry, technology providers, and startups.

- Identification of use cases for data-driven services, e.g., predictive maintenance, usage-based insurance, car-sharing platforms.

- Definition of interface standards and API strategies for easier integration of ecosystem partners.

■ **Value for Experts:**

- Building a strong network for collaboration between OEMs, suppliers, and tech startups.

- Opportunity to actively shape new data-based business models.

- Access to best practices and benchmarks from international platform models.

### A.1.4.  4. Connectivity: Secure and High-Performance Digital Infrastructures for Connected Mobility

■ **Objective of the Expert Group:**

- Development of cybersecurity and data governance strategies for connected vehicles and infrastructure.

- Promotion of 5G and V2X technologies for improved vehicle-to-infrastructure communication.

- Development of use cases for connected services (e.g., HD maps for autonomous driving, fleet communication, remote software updates).

- Strategies for protection against cyberattacks and manipulations in mobility.

■ **Value for Experts:**

- Exchange with leading security experts for new solutions to secure digital infrastructure.

- Opportunity to actively drive innovations for connected mobility.

- Collaboration with international partners for standardization and scaling of connectivity solutions.