

Transnational Automotive Use Case Platforms

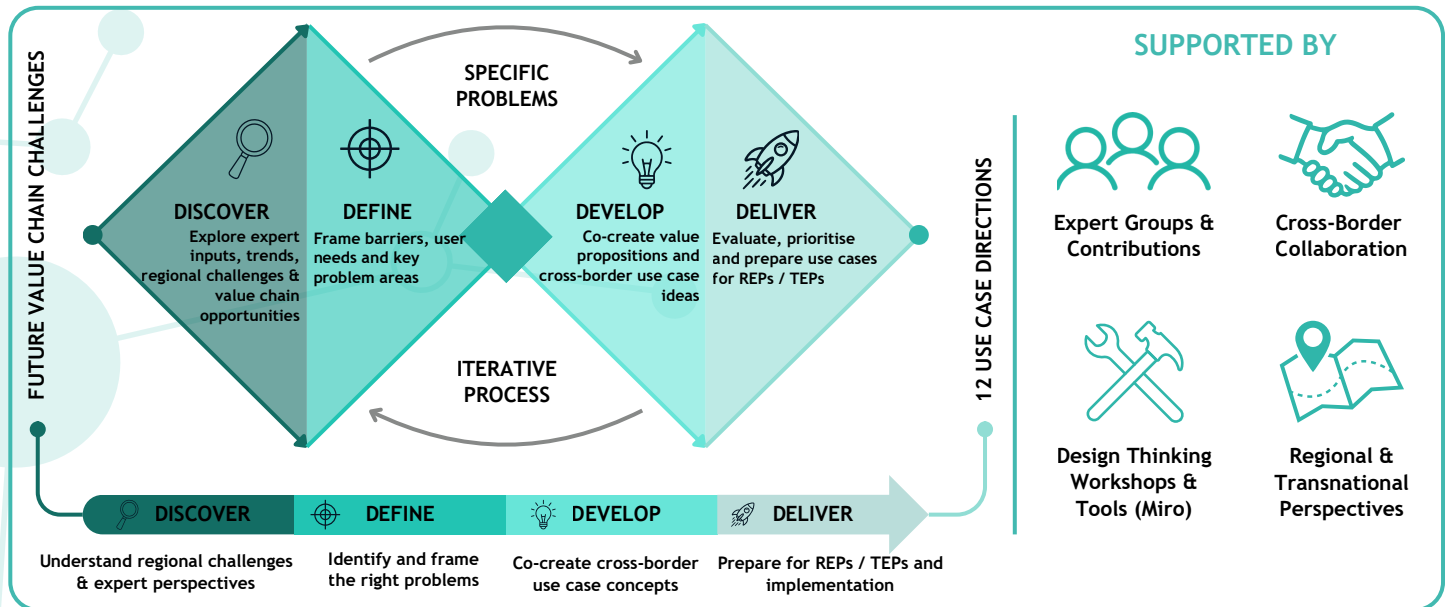
Turning expert knowledge into actionable cross-border automotive use cases

Drive2Transform supports Central European regions in managing the transformation of the automotive industry. Transnational expert groups worked on future use case directions in Electrification, Connectivity, Autonomous Driving and Platform Economy

The goal was to identify shared challenges and translate them into practical use case ideas through structured methodology, expert exchange and cross-border cooperation.

Use Case Framework

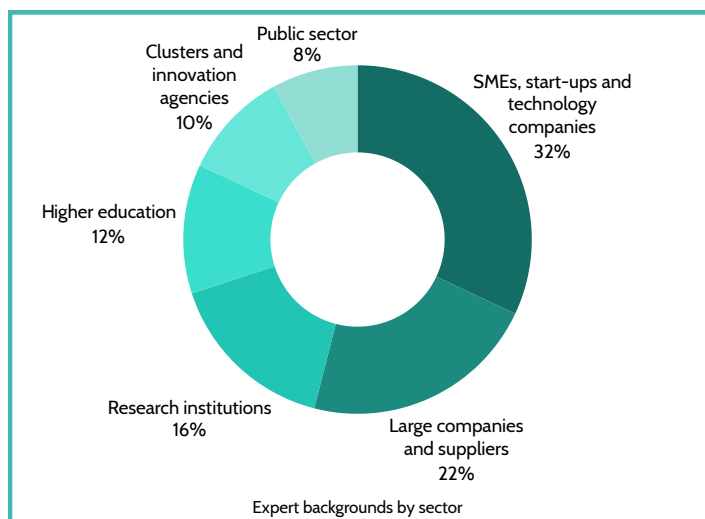
The process followed a structured design-thinking approach. Each group worked through four steps: discovering challenges, defining problems, developing solutions & delivering prioritised use case directions.



The use case process followed a design-thinking logic based on the Double Diamond model. Through expert workshops, regional challenges & future value chain opportunities were narrowed down into specific problem areas & developed into cross-border use case ideas. These ideas are then turned into exploitation plans at regional & international level to make sure the projects can be put into practice in the future.

Expert Network

Around 50 experts from 9 regional ecosystems across 8 Central European countries contributed to the process. They represented companies, SMEs, suppliers, start-ups, research institutions, higher education, clusters, innovation agencies and public-sector organisations.



The expert network was strongly industry-oriented: around 54% of experts came from companies, SMEs, start-ups, technology providers and suppliers. This mix combined practical industry needs with research, policy and regional ecosystem perspectives.

Results: 12 Use Case Directions Across Four Transformation Fields

Expert groups developed 12 initial use case directions across four transformation fields, providing a practical basis for further development, partner matchmaking and future pilot activities.

Electrification

Focus: EV value chains, charging, batteries and circular economy

- Circular Resource Loop for E-Mobility
- Seamless Charging Experience
- Smart Energy Integration

Connectivity

Focus: Vehicle data, V2X, telematics and interoperability

Use case directions:

- Cross-border telematics data exchange
- Modular V2X package
- Predictive maintenance monitoring

Autonomous Driving

Focus: Testing, certification, shuttle systems and fleet operations

Use case directions:

- Cross-border testing framework
- Autonomous shuttle systems
- Automated public transport fleets

Platform Economy

Focus: Mobility platforms, ticketing, data hubs, accessibility & data sharing

Use case directions:

- Cross-Border Ticket Wallet
- European Mobility Data Hub
- Accessible Mobility Interface

Lessons Learned

The expert process revealed several cross-cutting lessons that are relevant across all four transformation fields. They show what is needed to move from individual ideas to scalable, industry-relevant use cases.

→ Structured methods create focus

The design-thinking process helped experts move from broad challenges to concrete use case ideas.

→ Industry involvement is essential

Company and SME perspectives made the use cases more practical, market-oriented and implementation-driven.

→ Start with the basics before scaling

Advanced solutions require clear basics: interoperability, data access and implementation conditions.

→ Expert communities create long-term value

The network supports exchange, learning, matchmaking and future cooperation beyond individual workshops.

Recommendations for Suppliers & Regional Ecosystems

1. Build value chains → Connect regional strengths into value chains.
2. Create new SME entry points → Define clear SME roles and entry points.
3. Scale use cases → Replicate use cases across regions.
4. Invest in interoperability → Prioritise standards, interfaces and data access.
5. Use the network → Continue matchmaking and long-term cooperation.

Partners

