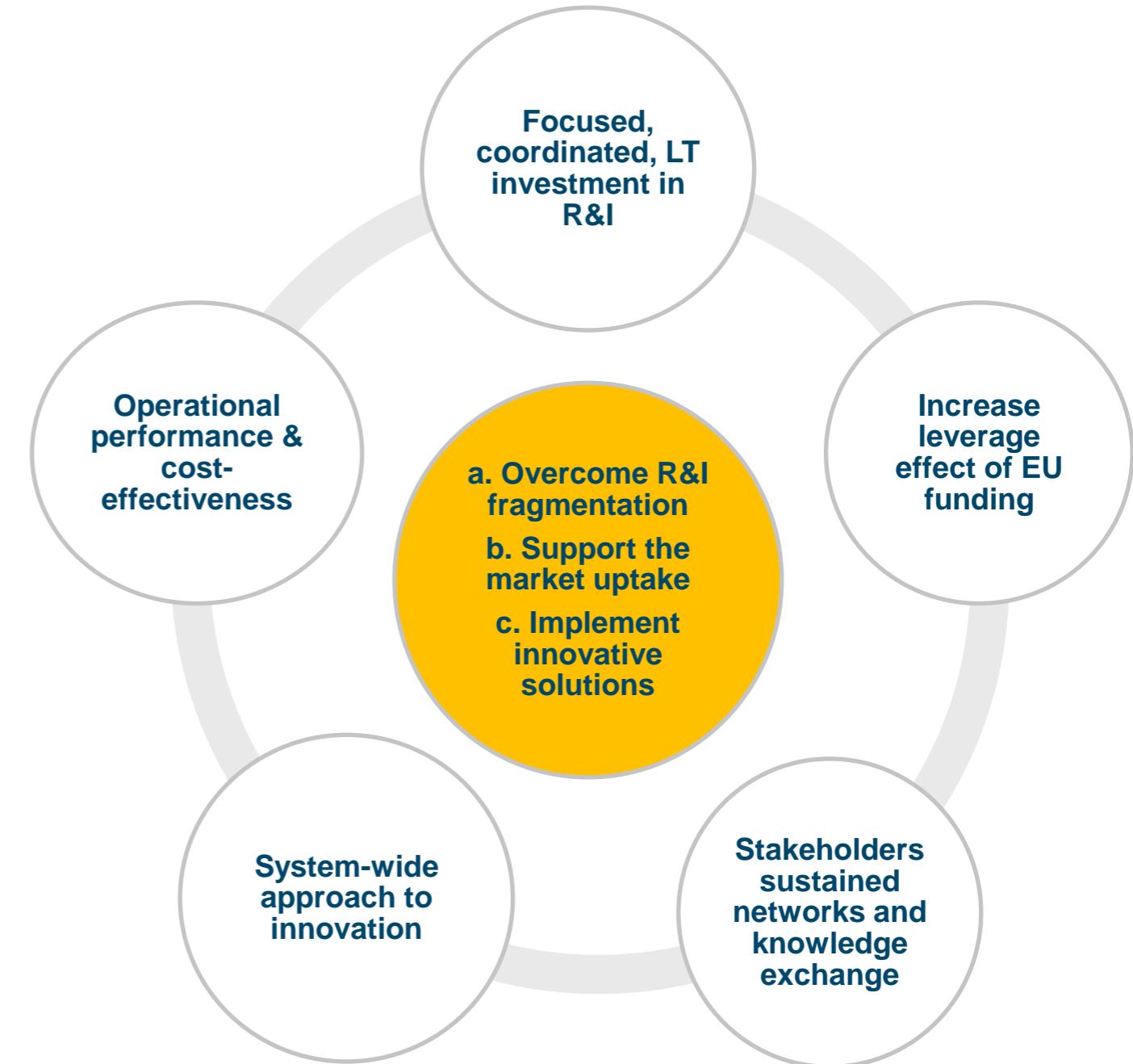




**virtual**  **vehicle**

**Dr. Filip Kitanoski, MBA**  
Head of Rail Systems

## S2R PROGRAMME: A NEW APPROACH TO R&I IN RAILWAY





## Shift2Rail VVAC+ Consortium

- 13 Partners (Research Centres, SMEs and EU13-Member)
- ViF Consortium Leader
- 21.5 M€ of the 920M€ S2R Project Volume



- Smart Switches & Crossings
- Smart Track
- Measuring & Monitoring Systems and Maintenance

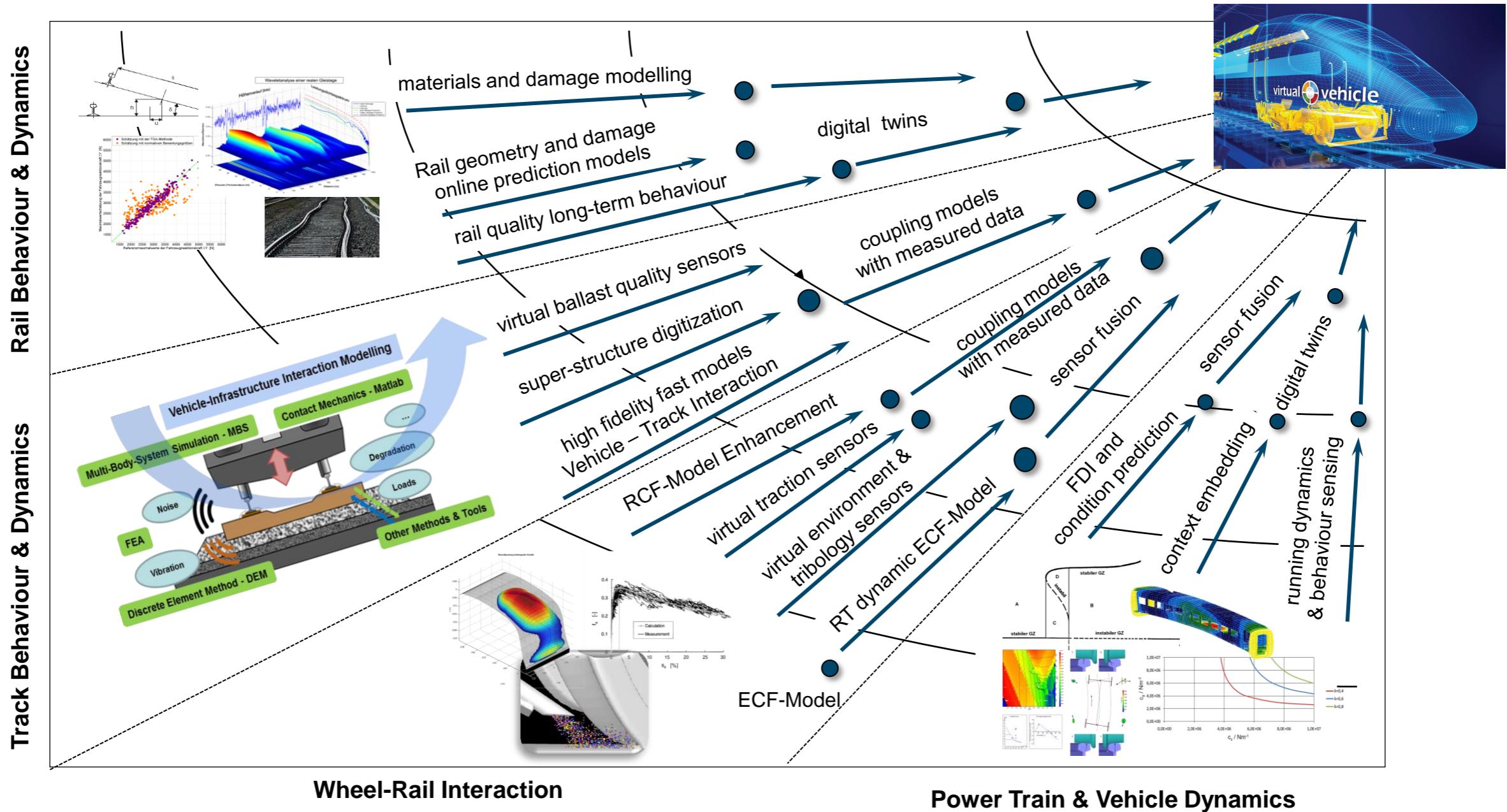


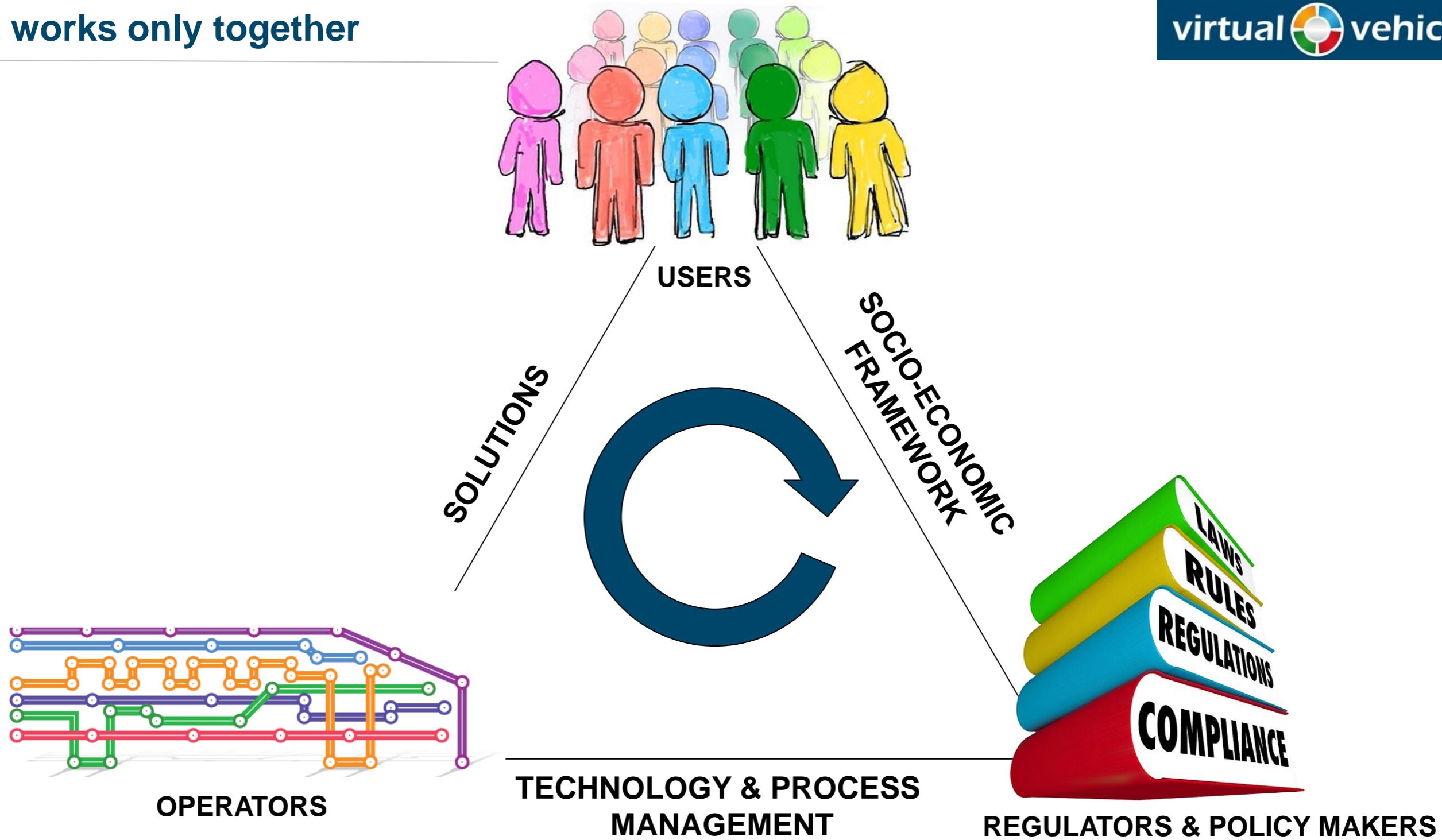
- Condition based maintenance of Wagons and Locomotives & Telematics
- Freight Wagon Design
- Freight Propulsion and Hybridisation incl. Driver Advisory Systems



- Intelligent Running Gear Concepts
- Prediction and Monitoring Methods

# Hybrid Testing & Virtual Homologation







- MULTIMODAL MOBILITY CONCEPTS ARE REQUIRED
- TECHNOLOGY IS AVAILABLE
- JOINT APPROACH FROM ALL STAKEHOLDERS
- ACCELERATED VALIDATION CONCEPTS NEEDED
- NEW BUSINESS MODELS

