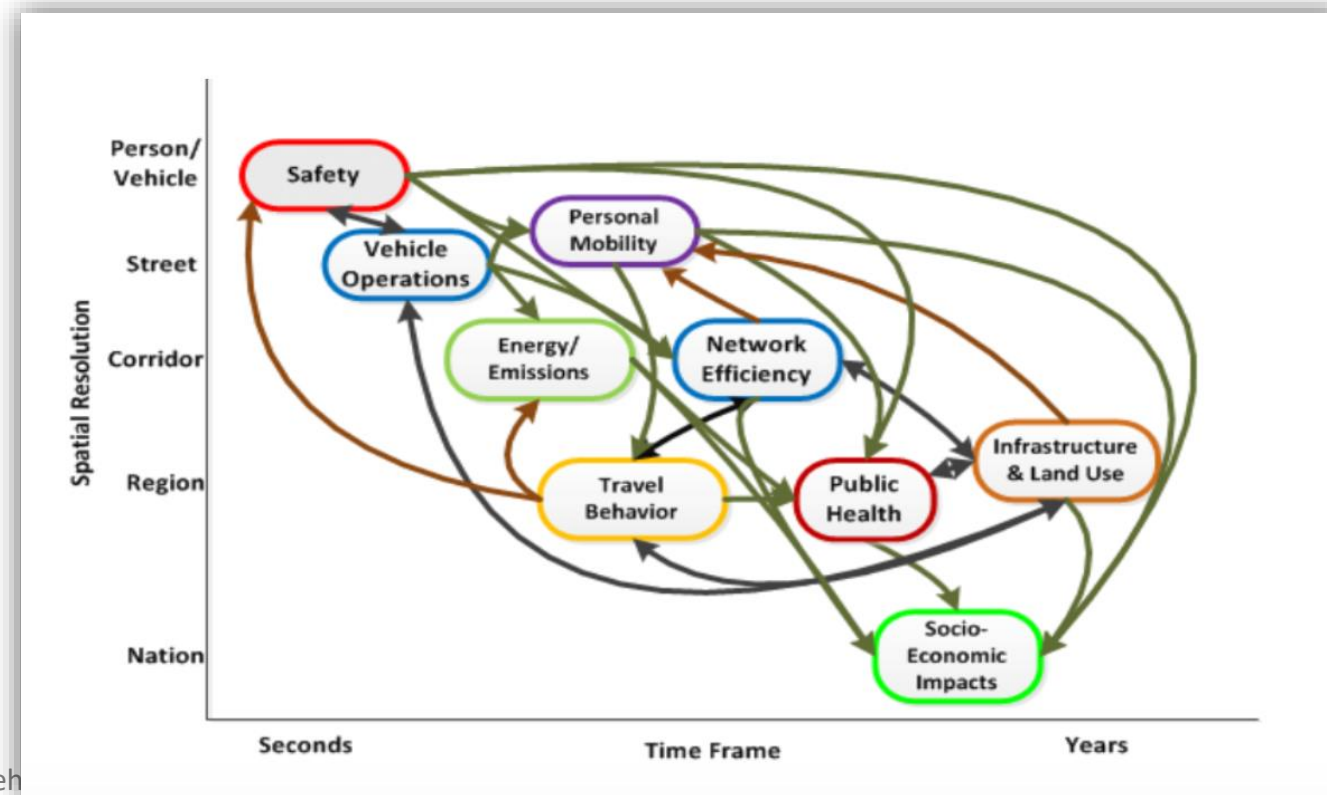
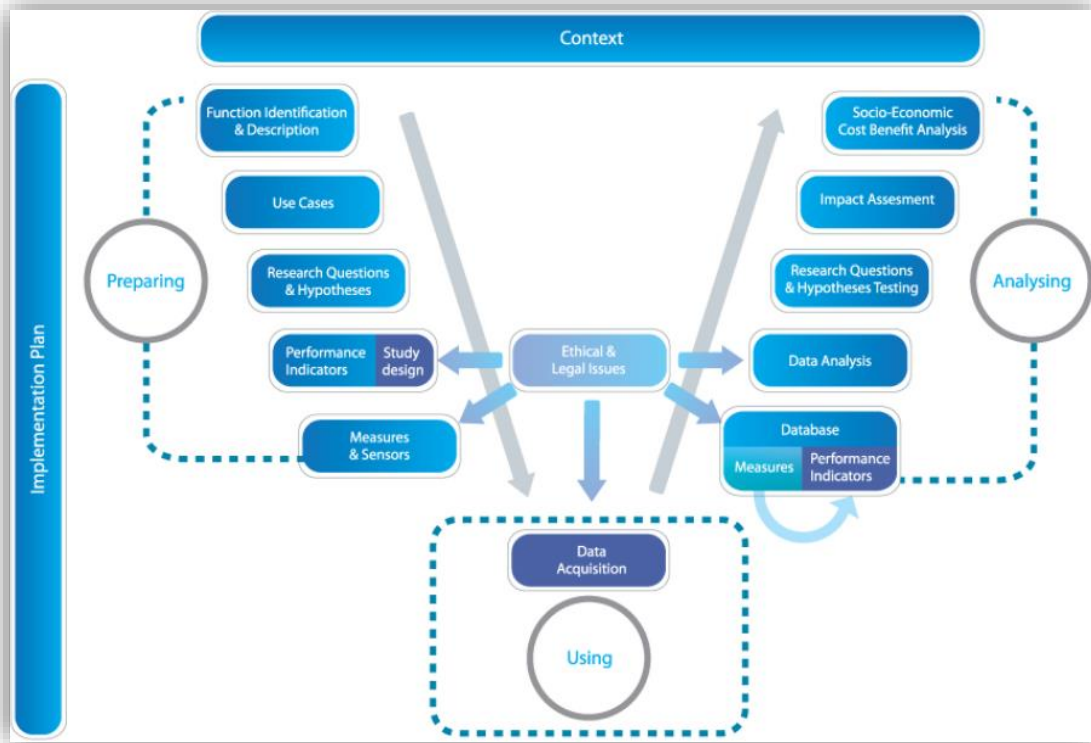


Methodology baseline and known gaps



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Guidelines and Evaluation Methodologies in the Knowledge Base

- The **FESTA Handbook**, the definitive source for Field Operational Test (FOT) methodology, applicable for also other type of field tests
- The **Automated Driving Testing and Evaluation Materials Toolkit**, with links to helpful documentation for each FESTA section
- Information on other **Impact Assessment Frameworks** for Connected and Automated Driving
- The **FOT-Net Wiki and Catalogues**, which are online sources to past Field Operational Tests and their tools
- **System Dynamics Modelling of CAD Impacts**, an uprising evaluation method.
- **Ethical Guidelines**

<https://knowledge-base.connectedautomateddriving.eu/methodology/>

Methodological gaps

1. Research questions and KPIs

In automation projects usually a very large number of research questions is of interest. How to define and select them, and how to establish KPIs?

2. Study design

Automation projects may work with systems still under development and severe restrictions on public road operation. How to set-up a study design that provides a rich user experience and test different scenarios?

3. Baseline

What should the results from a FOT be compared with? How to deal with the differences between human and computer-based driving behaviours?

4. Safety, regulations and ethics

To perform FOTs on public roads many conditions must be fulfilled to get permission from road authorities and ethics commissions to ensure safety, and to protect data. What guidance is needed on this?

5. Socio-economic impact assessment

To arrive at socio-impact assessment results, simulations and data such as accident data, are needed. How to deal with insufficient data and lack of appropriate simulations?

Slido: getting to know you

- <https://www.sli.do>
- What is your prime activity in CAD?
- Have you been involved in evaluation in an automation project?
- What methodology did you use?

