Implication of AV operational models on accessibility and transport-related social exclusion

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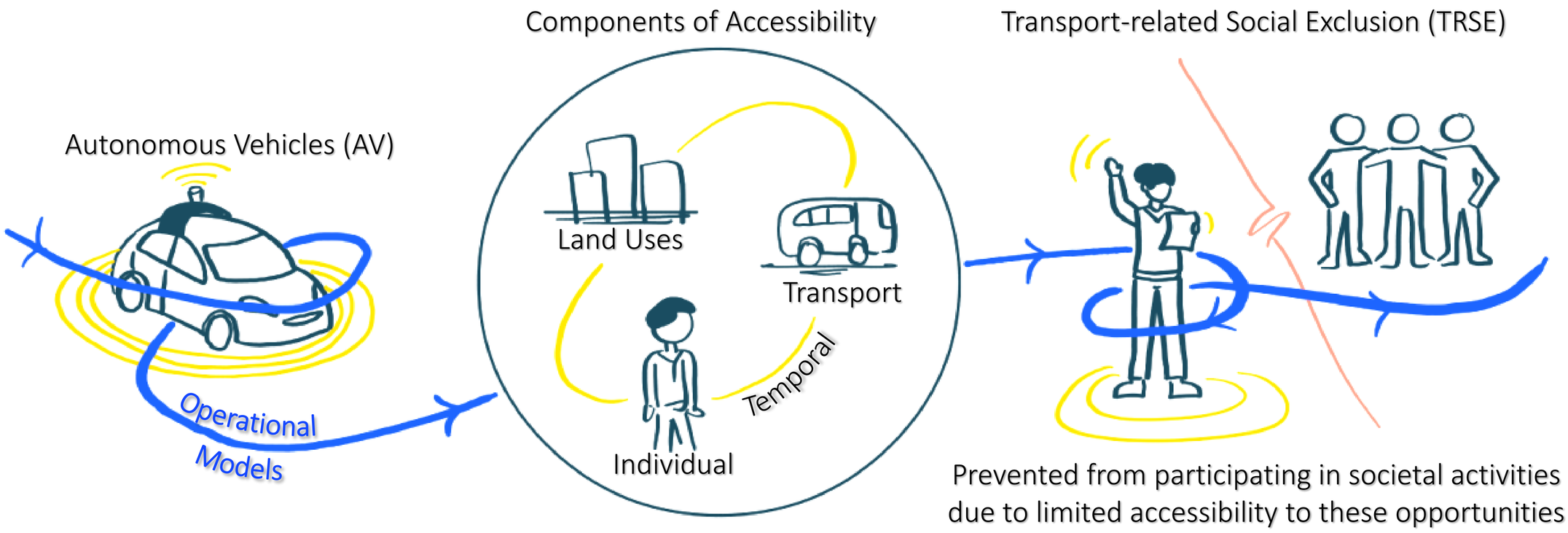
Background



Research Problem & Gap

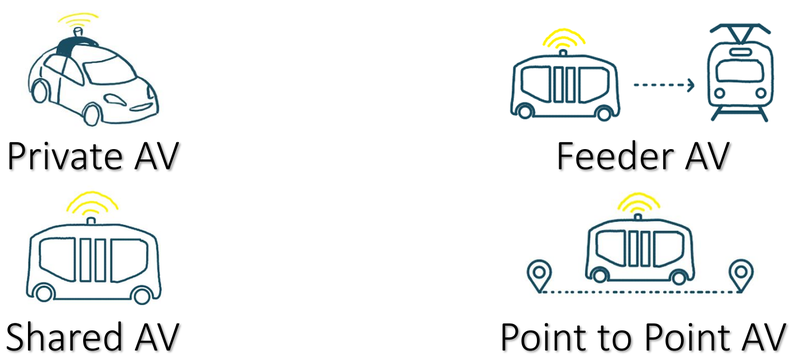
- Impact of AV on TRSE could be positive or negative, depending on AV operational models.
- Need for comprehensive analysis of components of accessibility on TRSE through evaluation of AV operational models.

Research Aim

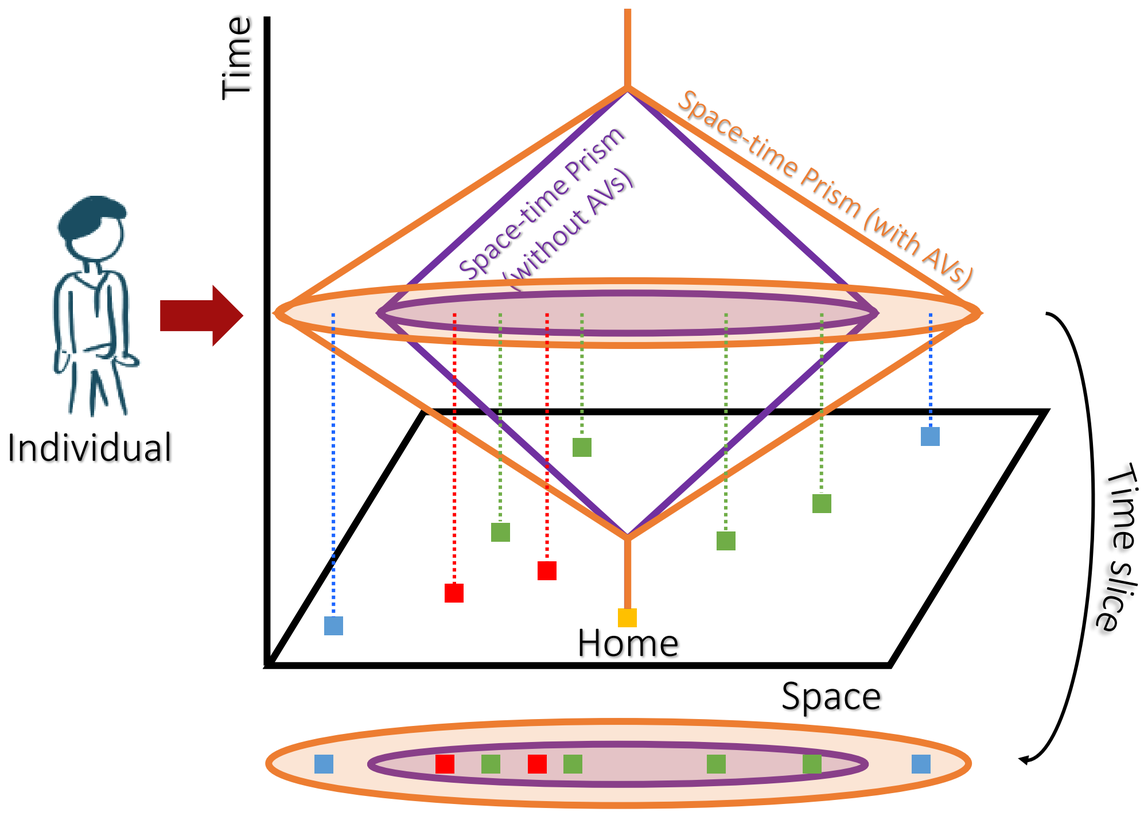
Research Aim:

- To examine how different AV operational models impact accessibility and contribute to social exclusion.

Operational Models:



Potential Methodology



Legend

- Activities accessible without AV
- Activities accessible with AV
- Activities not accessible, with or without AV

Expected Result & Contributions

Expected Results:

- Assessment of how different AV operational models impact components of accessibility.
- Examination of those impacts (both individual and cumulative) on TRSE status.

Expected Contributions:

- Identification of the best-suited AV operational model to minimise TRSE.
- Recommendations for policies in transport planning, land use planning, and individual support to address TRSE in the AVs era.

ITLS

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