

BIG DATA & AI FOR FUTURE MOBILITY SOLUTIONS



Fagseminar 2024

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PERSEUS
Doctoral programme



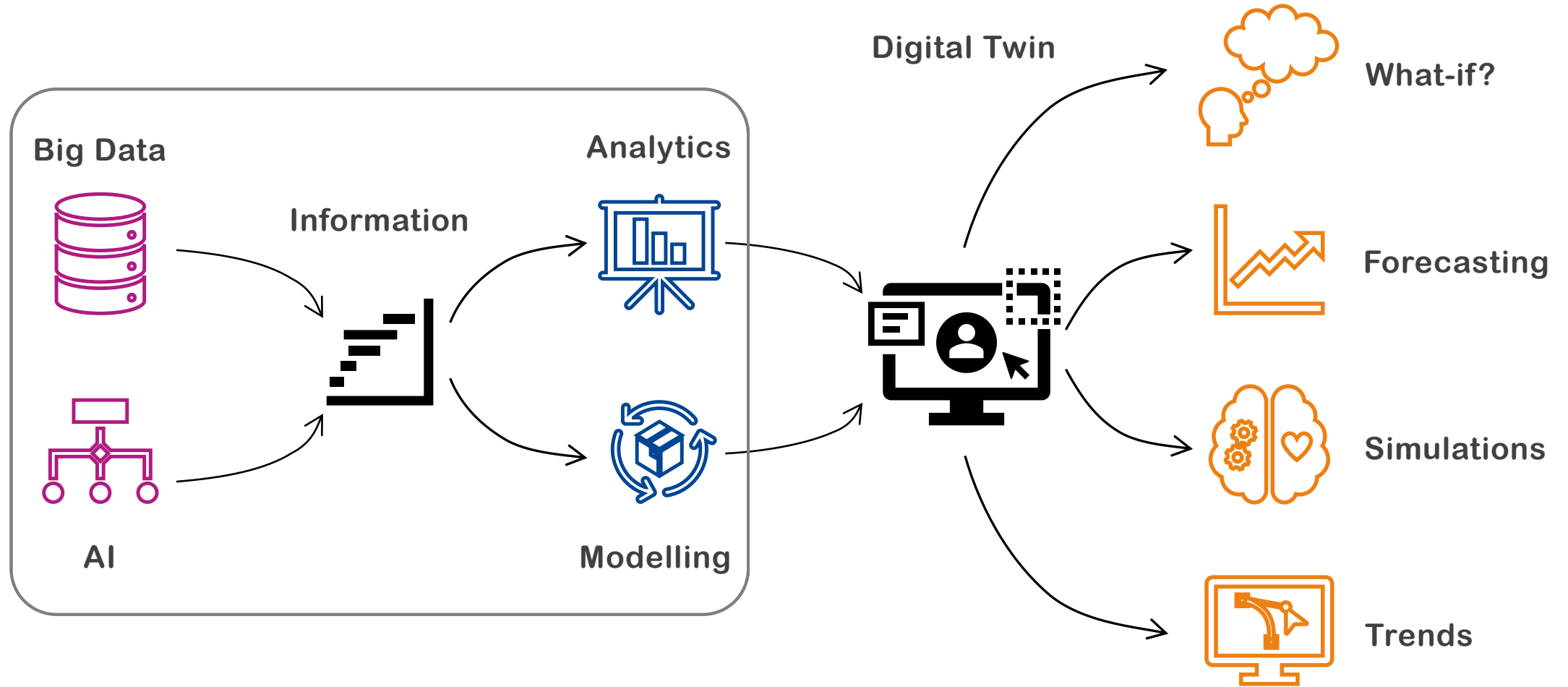
MOST



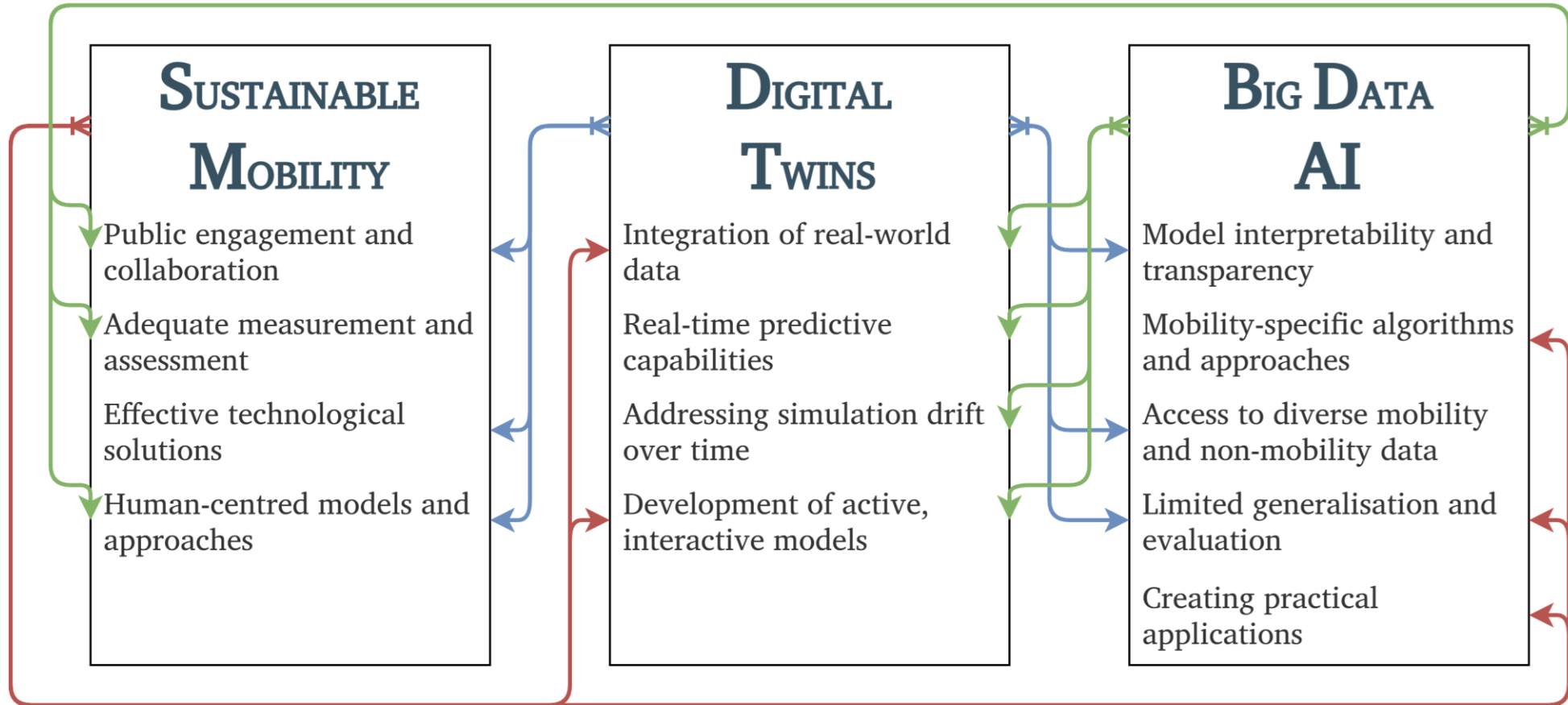
NTNU

Department of Engineering
Cybernetics

OVERVIEW OF WORK PACKAGE 3



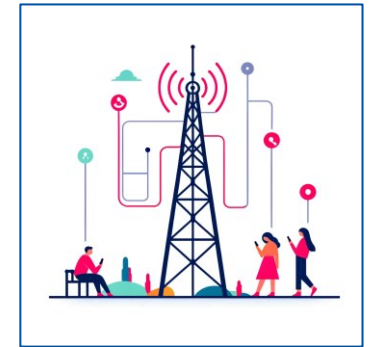
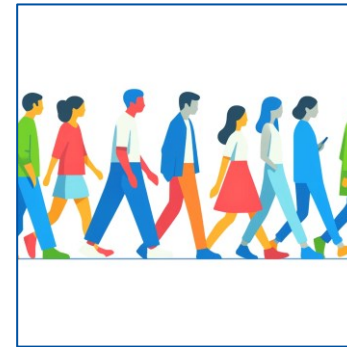
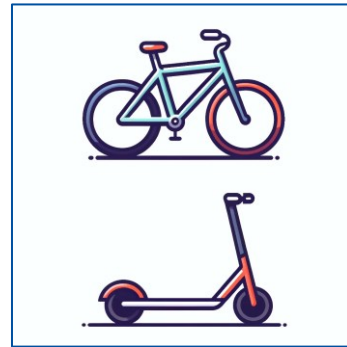
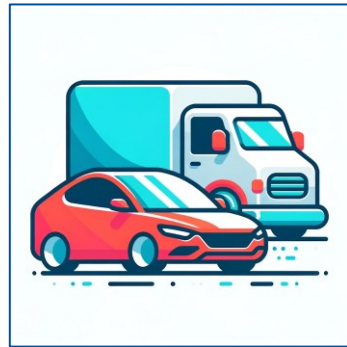
WP3: DYNAMIC DIGITAL TWINS



“Leveraging Big Data and AI for Sustainable Urban Mobility Solutions”
Journal: Under Review

MOBILITY MODES & DATA

Historical analysis and predictive modelling of as much **data** as possible from as many **sources** as possible.



“Unveiling Urban Mobility Patterns: A Data-Driven Analysis of Public Transit”

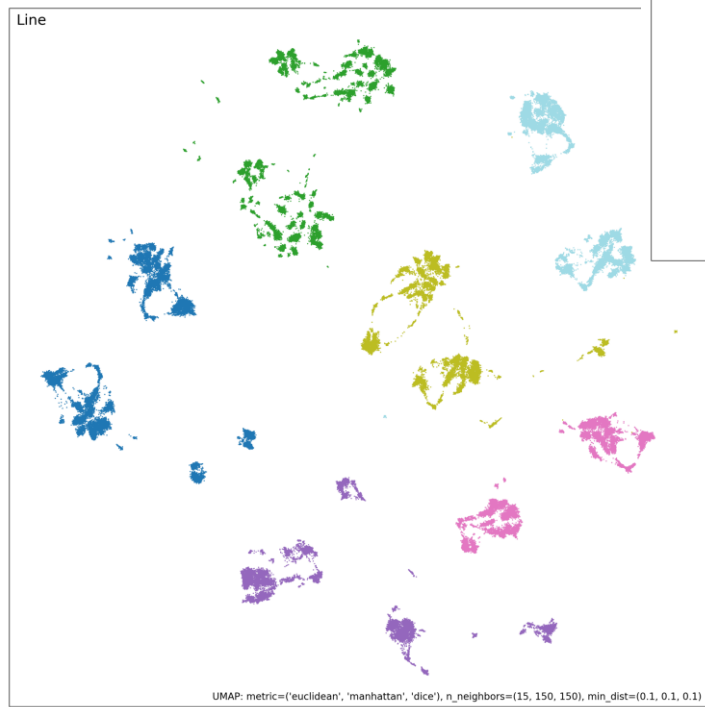
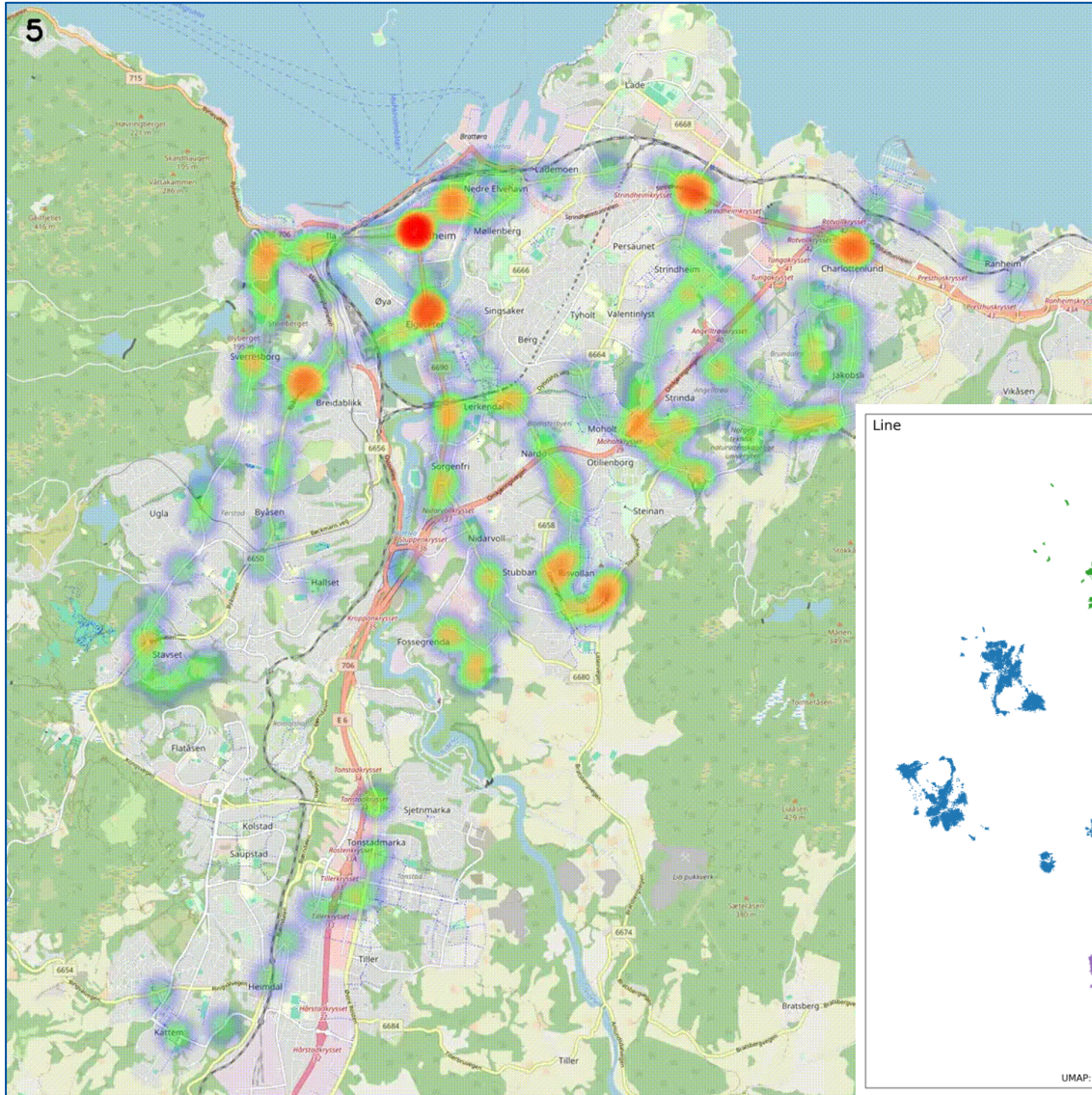
Conference: <https://arxiv.org/abs/2404.02172>

“Exploring Urban Mobility Trends using Cellular Network Data”

Conference: <https://arxiv.org/abs/2404.02173>



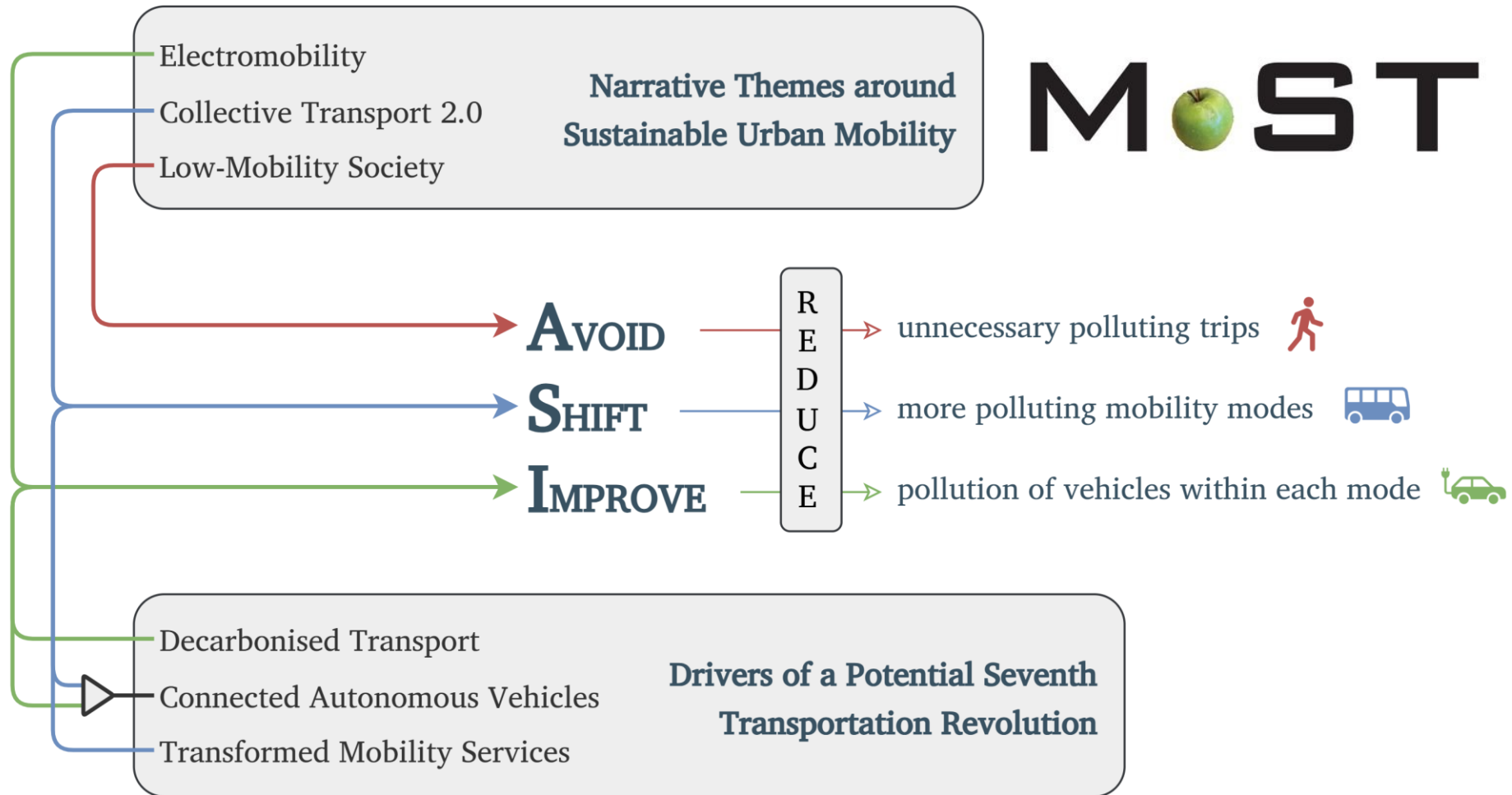
MODELLING: PUBLIC TRANSIT DATA



MODELLING: CELLULAR NETWORK DATA



CONCLUSION



MOST

