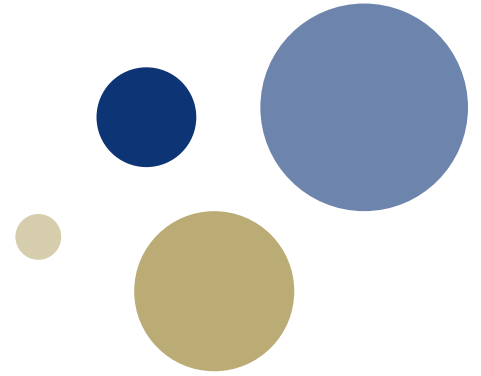




NTNU

Norwegian University of
Science and Technology



Omkar Bhoite (Mar.2024 - Mar.2027)

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PhD Supervisor's



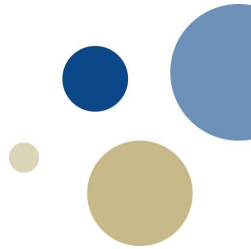
Kimmo Kansanen

Image Source: [Link](#)



Stefan Werner

Image Source: [Link](#)



PhD Project - Edge Intelligence for Dynamic Digital Twin*

Urban Mobility

Phase-1 Focus: Traffic Flow
Prediction based on Road
Network Optimization

Where: Elgeseter Street & Locality

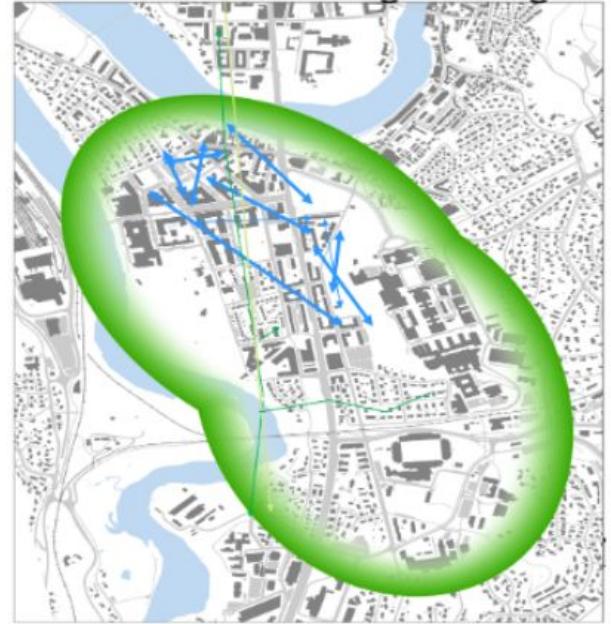
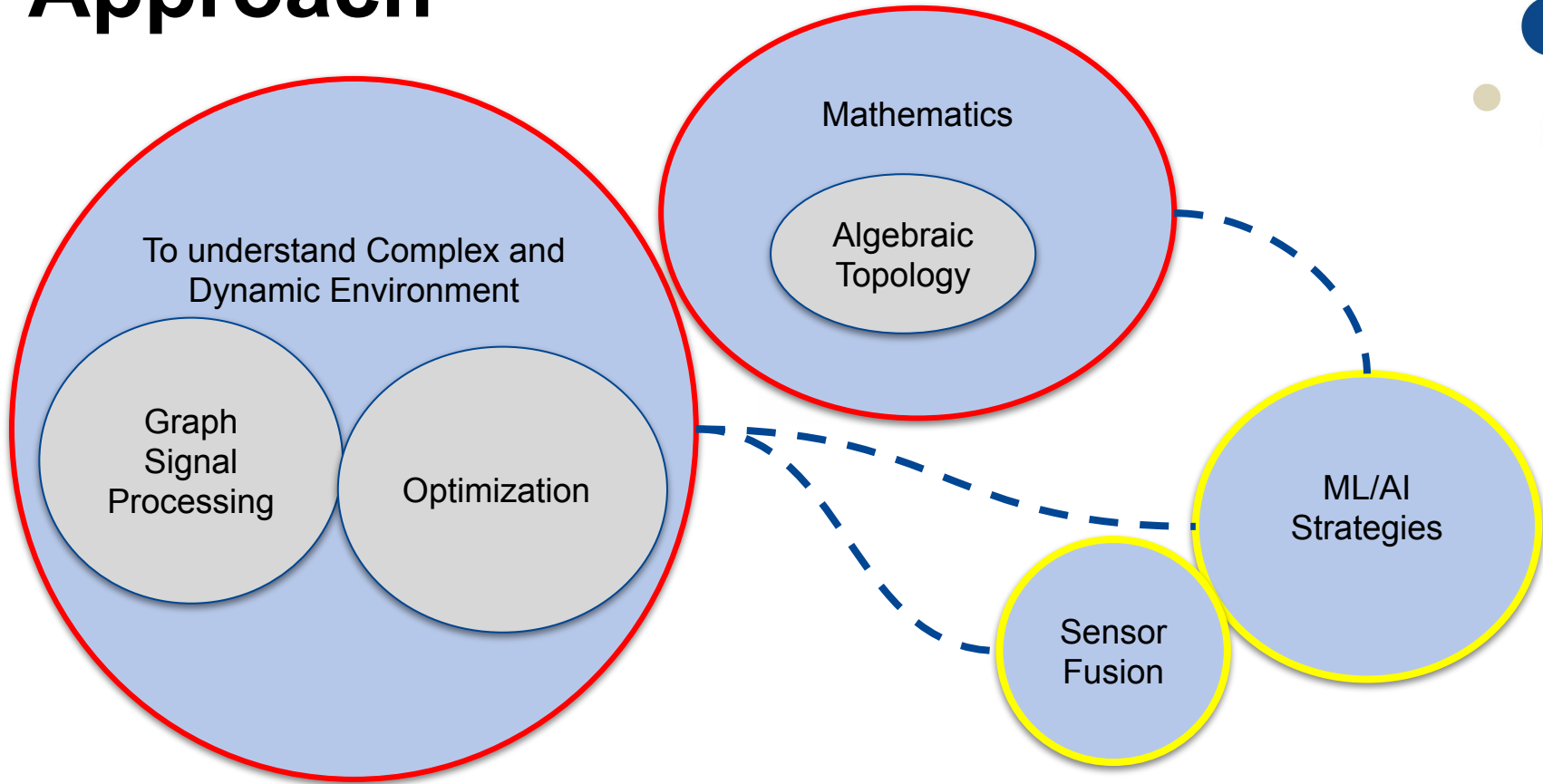


Image Source: [Link](#)

Approach



Plan 2025

- Complete Phase-1 of the work and publish. **(Q1-Q2)**
- Applying the work done on the project data to get some new insights. **(Q2-Q3)**
 - *Project Data: Telia Data (Need Access to AtB Data)*
 - *Purpose - Traffic flow and cost analysis for expansion of network.*
- Further advance work on the networks and optimization with application to road network and data privacy. (Phase-2) **(Q3-Q4)**
 - *Rectify the drawbacks in Phase-1 with new techniques.*
 - *Work on privacy preserving data collection.*
- Explore AI tools **(Q3-Q4)**