

MoST – Mobilitet Stor-Trondheim

PhD projects (4 candidates):
«Future-orientated transport models within decision-making»

Duration: 2023-2026



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Transport models evaluate the results of changes to the transport system to be used to analyze strategic decisions, either to achieve goals or to estimate impacts of suggested initiatives. The objective of these projects is to improve the state of the art within urban transport models by capitalizing on increased **digitization and big data**.

The projects will aim to develop further urban transport models to address the **shifting focus from passenger car transport to active, public, and new modes of transport** and the need to **integrate freight transport with passenger transport within models**. This includes an applied component of the development of transport models for the Elgeseter case study area, which can be used to understand both the current mobility picture and future mobility solutions. Finally, the projects will consider the integration of such models into an interactive platform for modeling and visualization in the 3D virtual environment of a **digital twin** and consider how model inputs, results, and uncertainties can be better communicated to decision-makers.



Source: Norconsult in https://miljopakken.no/wp-content/uploads/2013/01/20190220-alternativsvurdering_elgeseter.pdf



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