Using MATSim for the long-term forecast of passenger demand in Switzerland

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The Swiss Federal Railways have been using MATSim as a supplementary passenger demand model since 2017. Over the years, the model named SIMBA MOBi, has grown up and is now widely used in strategic planning. In this talk we will present some main facts about the model and its forecasting abilities to 2050 and beyond.

The talk consists of three parts. Firstly, we will introduce the modeling landscape at SBB and will display the scope of using MATSim in this context and its connection to macroscopic models used within the company. Secondly, we will show our general view on the expected transport system in Switzerland until the year 2050. Finally, we will show how MATSim is used to evaluate transport policies that think out of the box of classical public transport operations.