



Future@SystemX

Modeling of Traffic flow within a Multi-modal Transportation Network

Magister: Multi-platform models

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- Particle models for differentiate the type of vehicles on road network
 - Bus
 - Electrical car-sharing
 - Demand responsive transport
 - Taxi, Private car, Truck, and Bike.
- A layer model of flow for railway traffic (vehicles and passengers)
 - Railway timetable traffic model (train, tram), and
 - Frequency traffic model (metro, tram).
- A layer model of accessing terminals, stations and parkings.





On the way to Multimodality

The Magister Application

 Many models already developped and integrated in the Magister Application for traffic road networks





On the way to Multimodality

The Magister Application

- Many models already developped and integrated in the Magister Application for traffic road networks
- A simulation model for accessing transport mode via terminals, stations, and parkings: Ongoing
- A Multi-class simulation model for coupling the different models (roadway and railway) that share (or not) the same physical structure of a transportation network: Ongoing





Modeling



Suste