+ 1 minute 31 seconds

NAGEN

Increase in travel time on average across Bavaria within the last 10 years.

[36]



Reduction of the speed

Changing the street space



Currently, it is only possible to analyze **what-if considerations in a limited way**. Nevertheless, due to the increasingly rapid changes in mobility, a comprehensive and interlinked **analysis will be necessary**

SUMO User Conference 2024 | rescuePY

rescuePY Simulation-based Emergency Service Impact Assessment

Fabian Schuhmann, Maximilian Sievers, Stefan Schrott, Ivan Kapovich, Lijie Feng, and Markus Lienkamp

Datum: 15.05.2024



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Where can mobility innovations potentially influence rescue services?



State of the Art

Results

Conclusi



How can the impact on the rescue system be modeled?



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rescuePY: Simulation-based Emergency Service Impact Assessment





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Architecture of the Strategic Planning









TraCi Simulation Logic



The alarms & dispatched vehicles are synthetic!

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Results of the Strategic Planning

State of the Art



Discussion



Operative Planning in a Nutshell



Average **Traveltimes**

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Discussion

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Extending the Microscopic Model

State of the Art





Discussion

Conclusion

ТЛП

Plausibility Check of the Model

Strategic planning





State of the Art

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Activity-based Modeling of Urban, Time-critical Evacuations





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Conclusion

Summary









Results

Discussion

ТШ

Discussion and Outlook

Strategic planning	Integration of further EMS Services	Logger Parameterization with real world data
Operative planning	Survey-based parameterization for future szenarios	Logger Validation with real world data of munich
Evacuation planning	Implementation of real- world scenario	