



MARA - Mobility and Accessibility in Rural Areas



Ministerium für Energie, Infrastruktur und Digitalisierung





Case study presentation MARA

07.09.2020

Marc Altenburg, LP/Ministry for Energy, Infrastructure and Digitalisation



CASE STUDY MECKLENBURG-VORPOMMERN



Mecklenburg-Vorpommern | Ludwigslust-Parchim



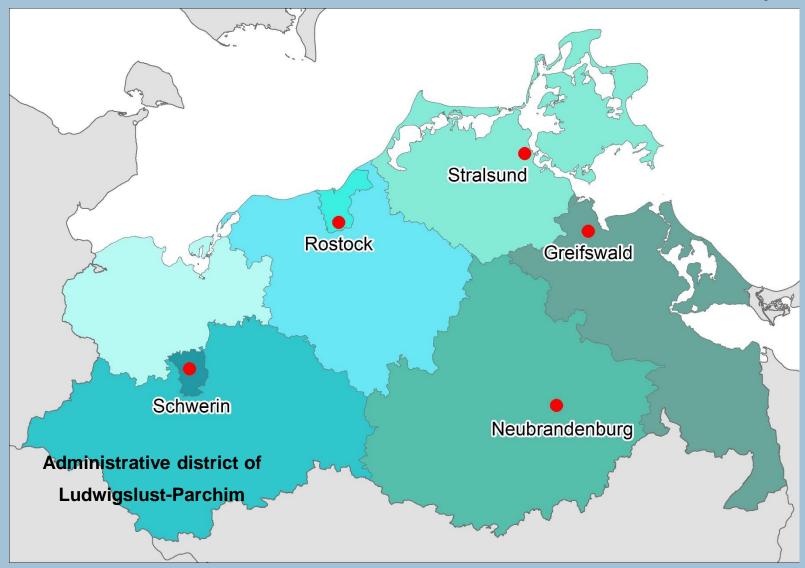
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The federal state of Mecklenburg-Vorpommern (M-V), administrative districts and cities of M-V



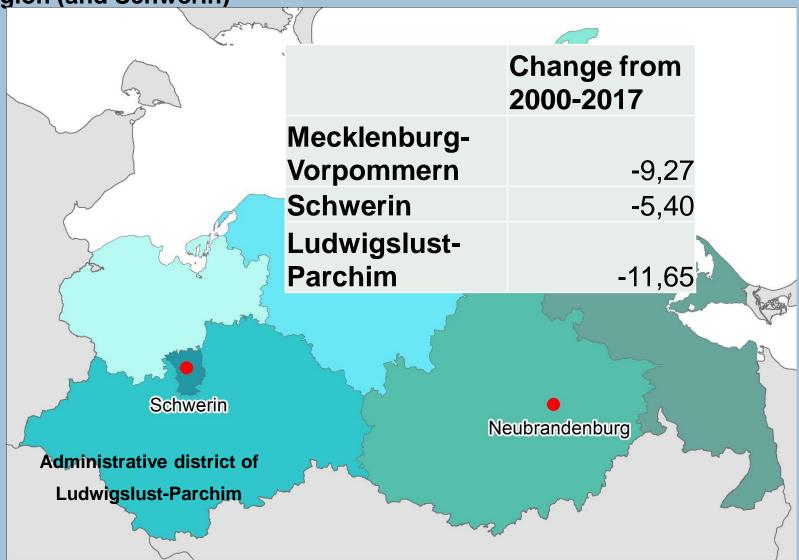
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Change in Population of M-V and the case study region (and Schwerin)



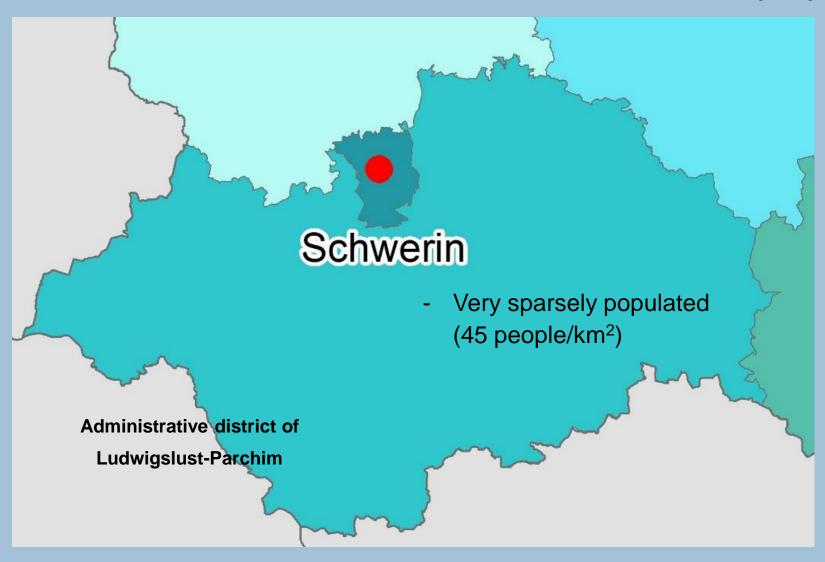
Infrastruktur und Digitalisierung



Impression of bus supply during school days



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Sources...

Case Stuy - Conception



Partners:

Verkehrsverbund Ludwigslust-Parchim (Public transport operator) Administrative district of Ludwigslust-Parchim

Aims:

Address mobility issues in rural areas by improving a call-a-bus-service



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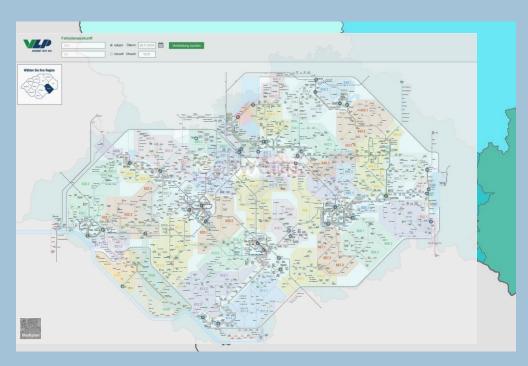
Address mobility issues in rural areas by improving a call-a-busservice

Important aspect:

Integration with the general public transportation offer

Challenges:

Identify gaps in offer Organisational aspects



Approach for improving the call-a-bus-system



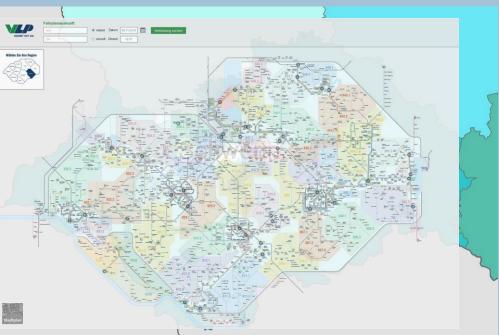
Identify gaps / Improve offer

- Identity mobility needs
- Analyse mobility models
- Involve stakeholders



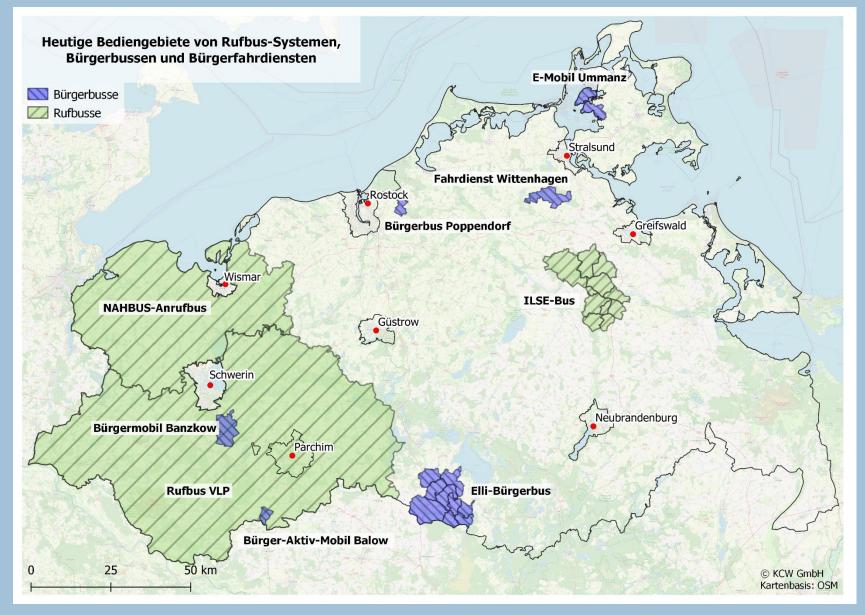
- Population mobility monitor (PMM)
- Analysis maps / GIS tool
- Evaluations/external expertise





Supply areas of citizen busses and call-a-bus-systems in Mecklenburg-West Pomerania (external expertise)





Analysis Tools for the Case Study



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PMM

Visualisation of mobility data/ patterns

DuGIS (Powered by CeTLeR labs) V1.0 Beta, Developed for Trafikverket - IGUI loaded.) 🖷 🖪 File 🌑 Statistics 🙎 GIS 🧿 Setting 👂 Help

CReset map

Data sources / Analysis

Within: 600

Parameters

Reachable Range Route Grid Reachable Range

Route type: fastes

Use traffic data: No

Trans. mode: pedestrian

Clear

The Reachable Range analysis calculates a set of locations that can be reached from the origin point.

Depart at: 2020-09-03 10:30 3: Max speed: 1 * km/hou

Data sources

Analysis

Nearby Bus stations

udwigslust Ma.

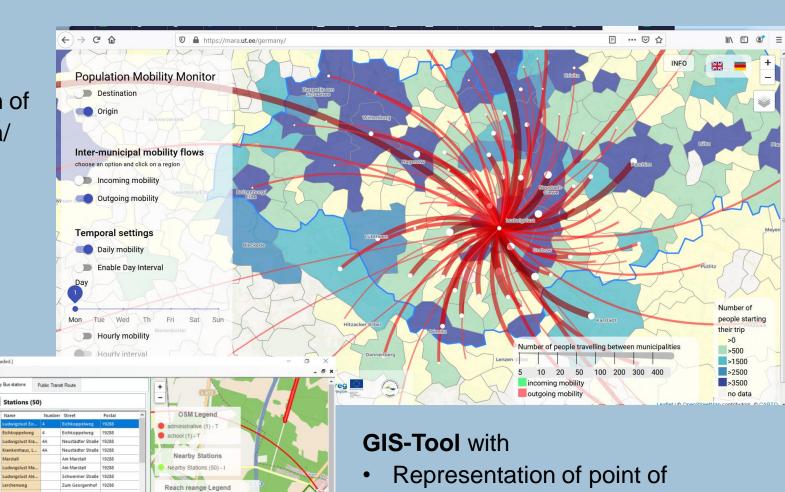
inkenweg

Transports list Departures time

19288

Sec: 600 - Minute: 10.0 - pedestrian

Sec: 600 - Minute: 10.0 - pedestrian



- interests
- Transportation networks
- Manifold analysis possibilities

Sources



Pictures/maps are from the following sources:

Slides	Title, 3	by MARA project
	4 – 11	by Ministry for Energy, Infrastructure and Digitalization/ Department of Energy and Spatial Development
	9 – 11	by Verkehrsgesellschaft Ludwigslust-Parchim Website for Network: https://netzplan-vlp.de/index.php/de/netzplan
	12	kcw GmbH
	13	Screenshots by Ministry for Energy, Infrastructure and Digitalization from PMM, University Tartu DuGIS, University Dalarna









Thank you!

