

## MARA - Mobility and Accessibility in Rural Areas



### Case study presentation MARA

07.09.2020

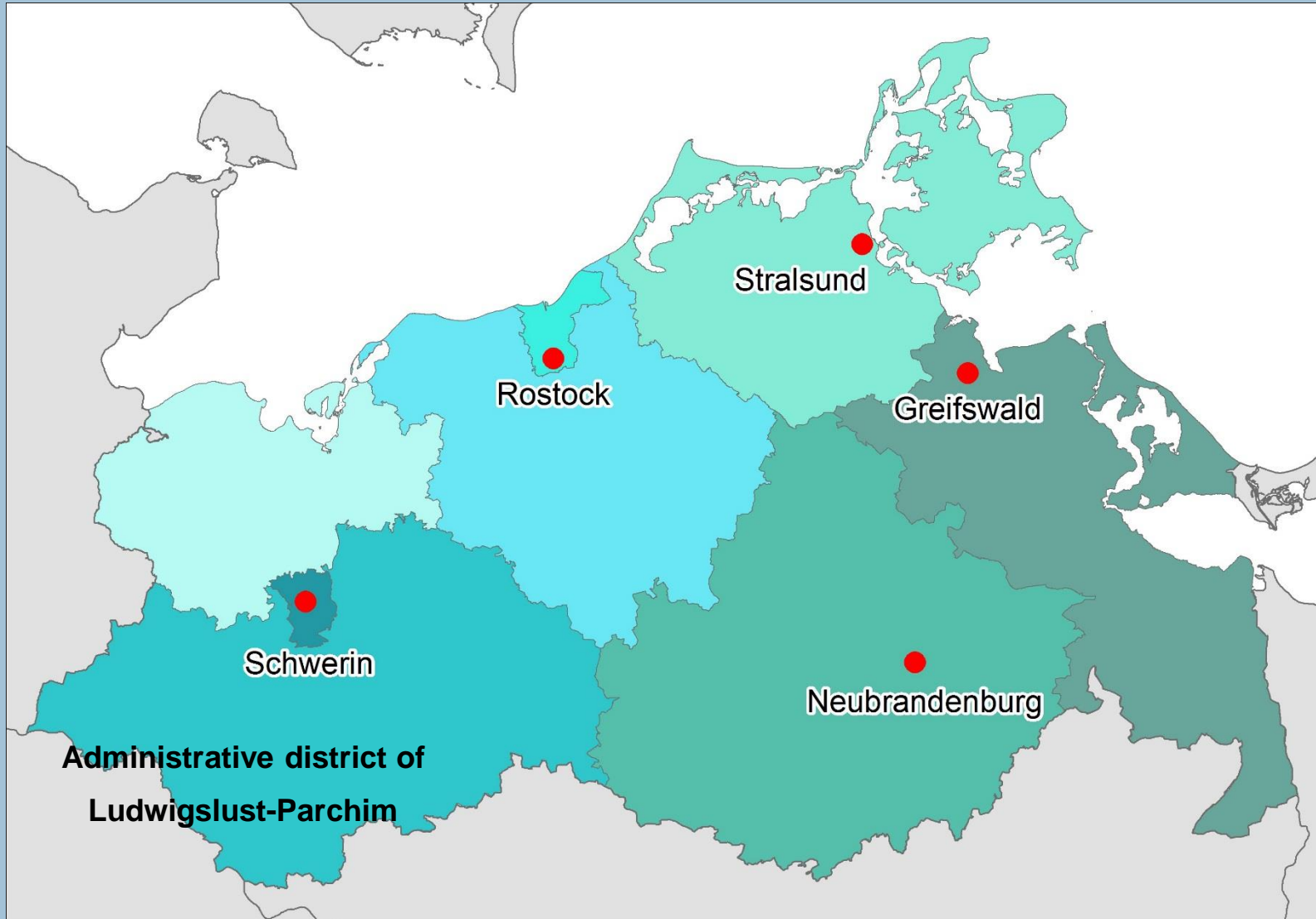
Marc Altenburg, LP/Ministry for Energy, Infrastructure and Digitalisation

# CASE STUDY MECKLENBURG- VORPOMMERN

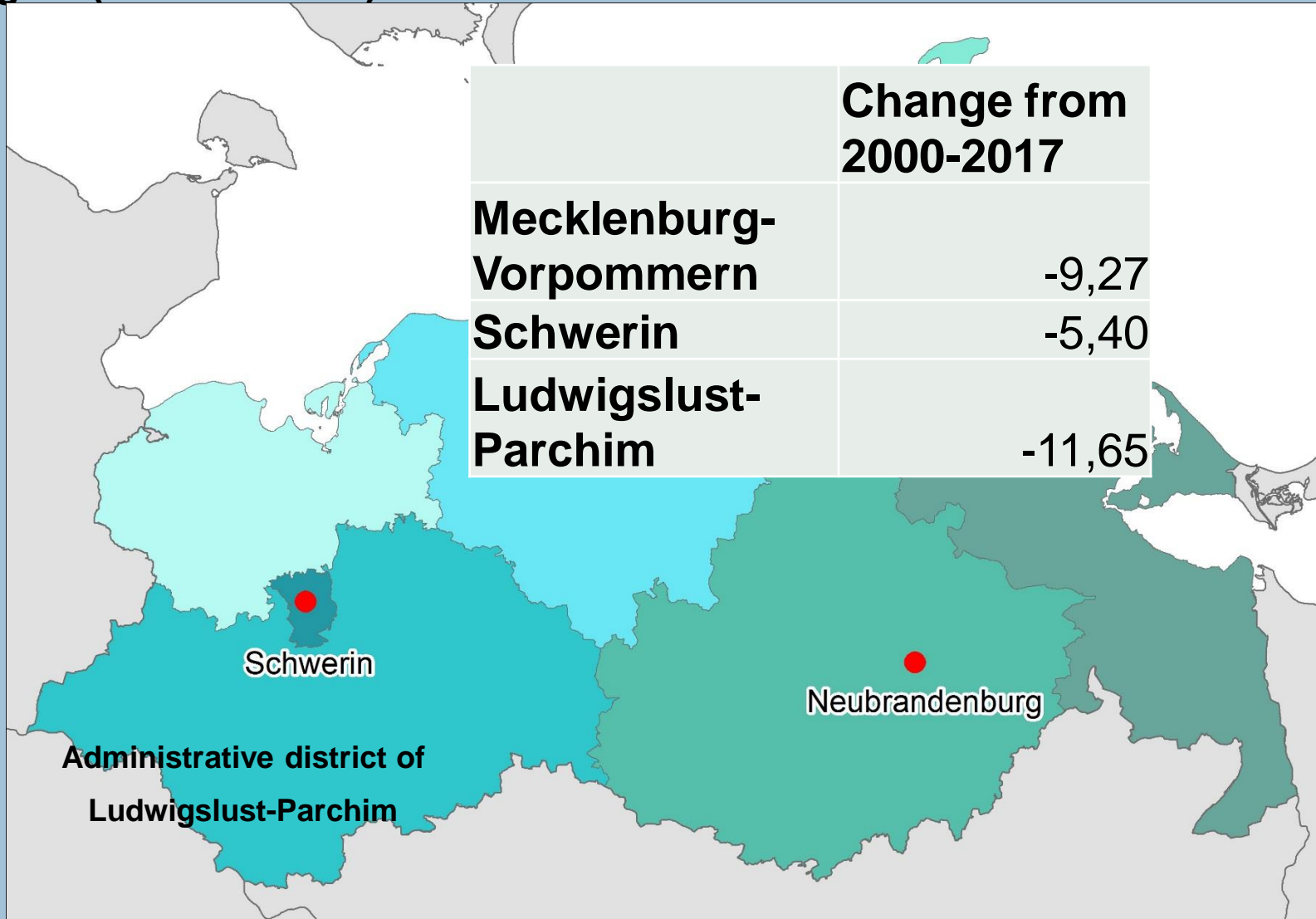
# Mecklenburg-Vorpommern | Ludwigslust-Parchim



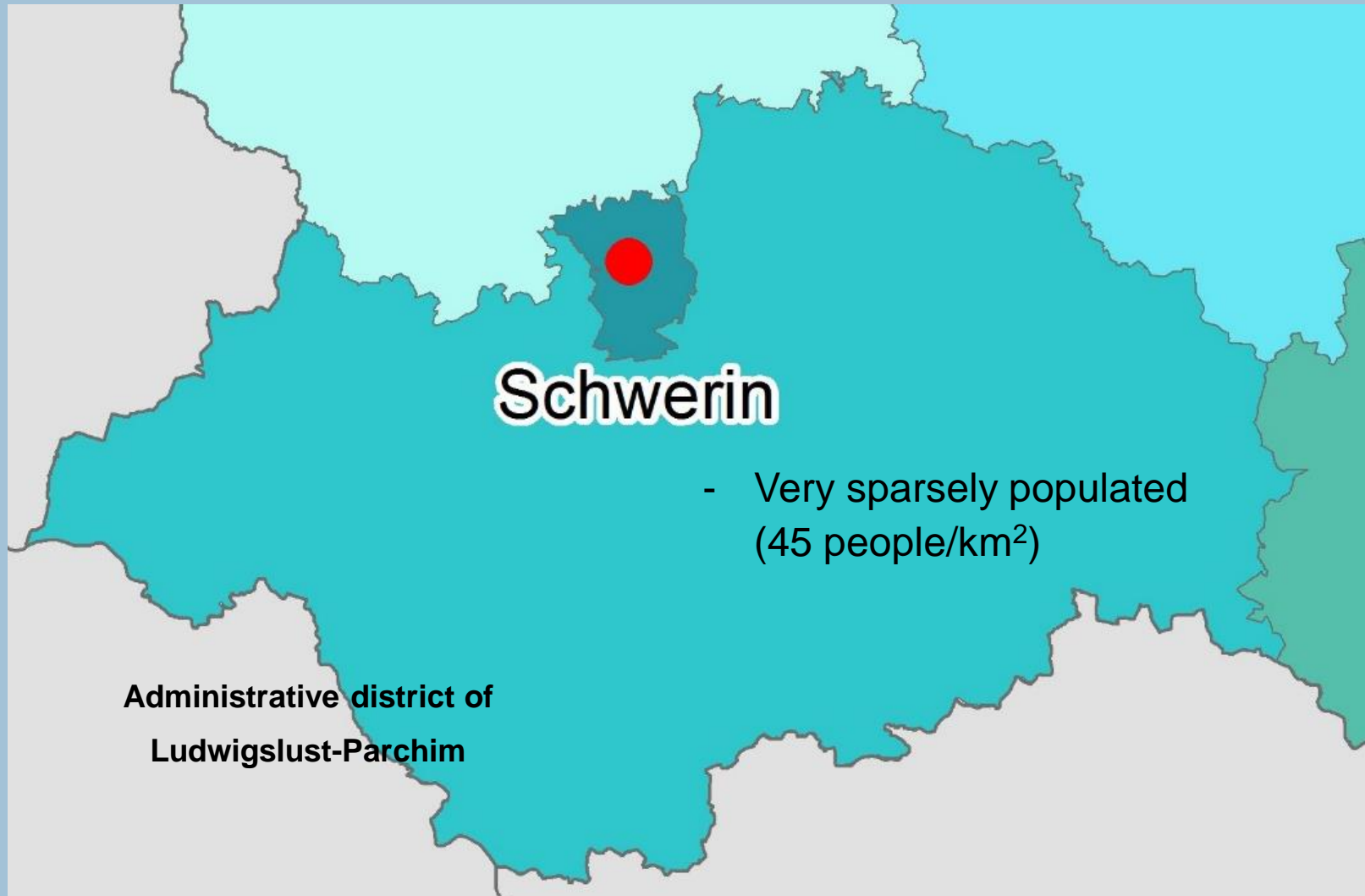
# The federal state of Mecklenburg-Vorpommern (M-V), administrative districts and cities of M-V



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



# Impression of bus supply during school days



# Case Study - 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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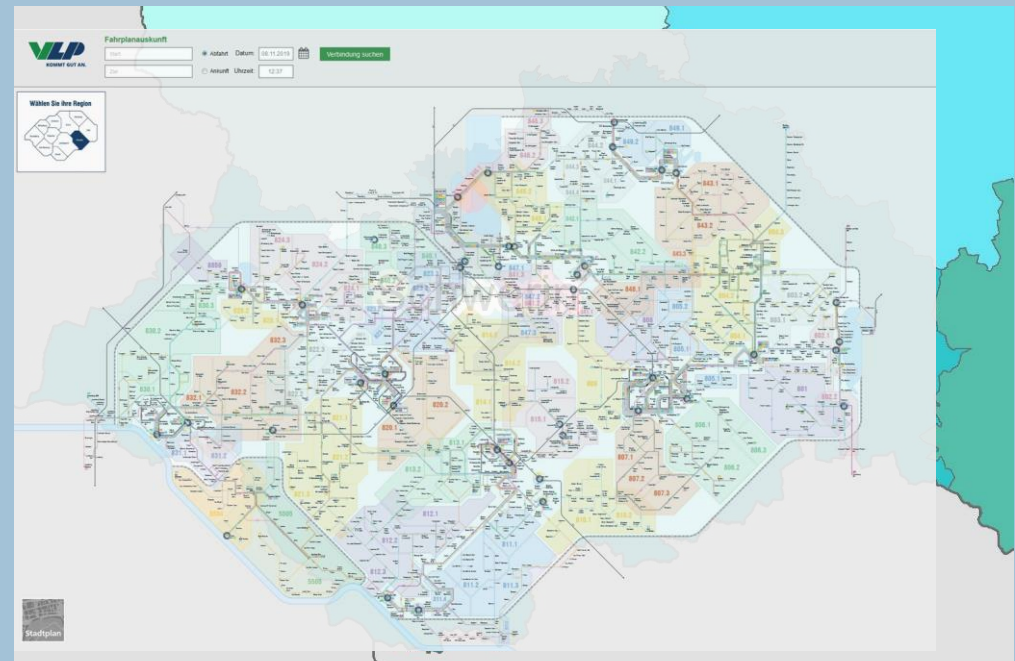
## Important aspect:

Integration with the general public transportation offer

## Challenges:

Identify gaps in offer

Organisational aspects

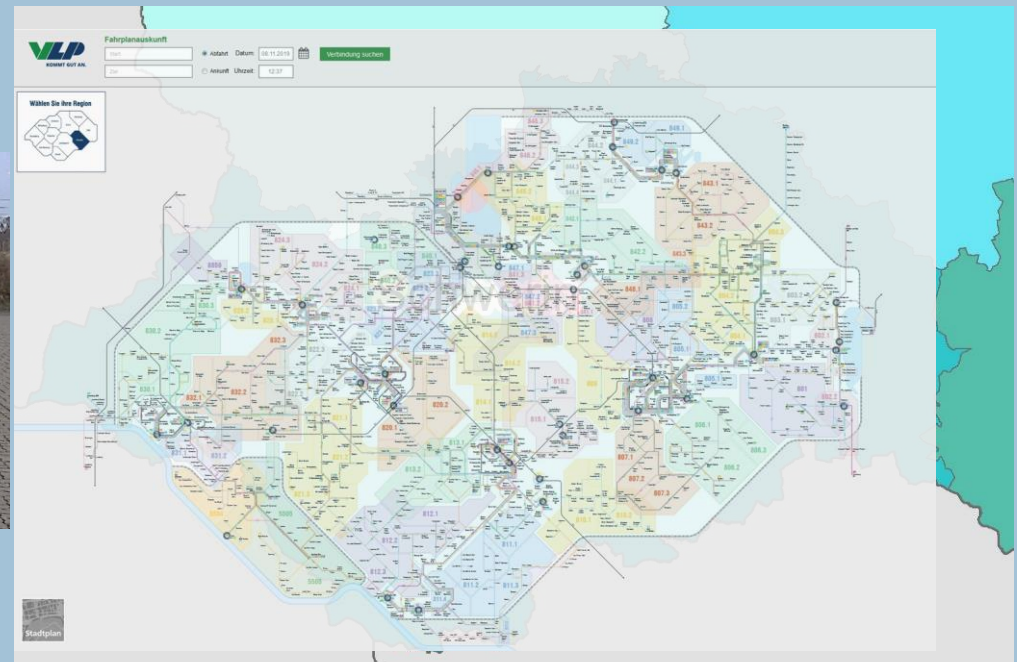




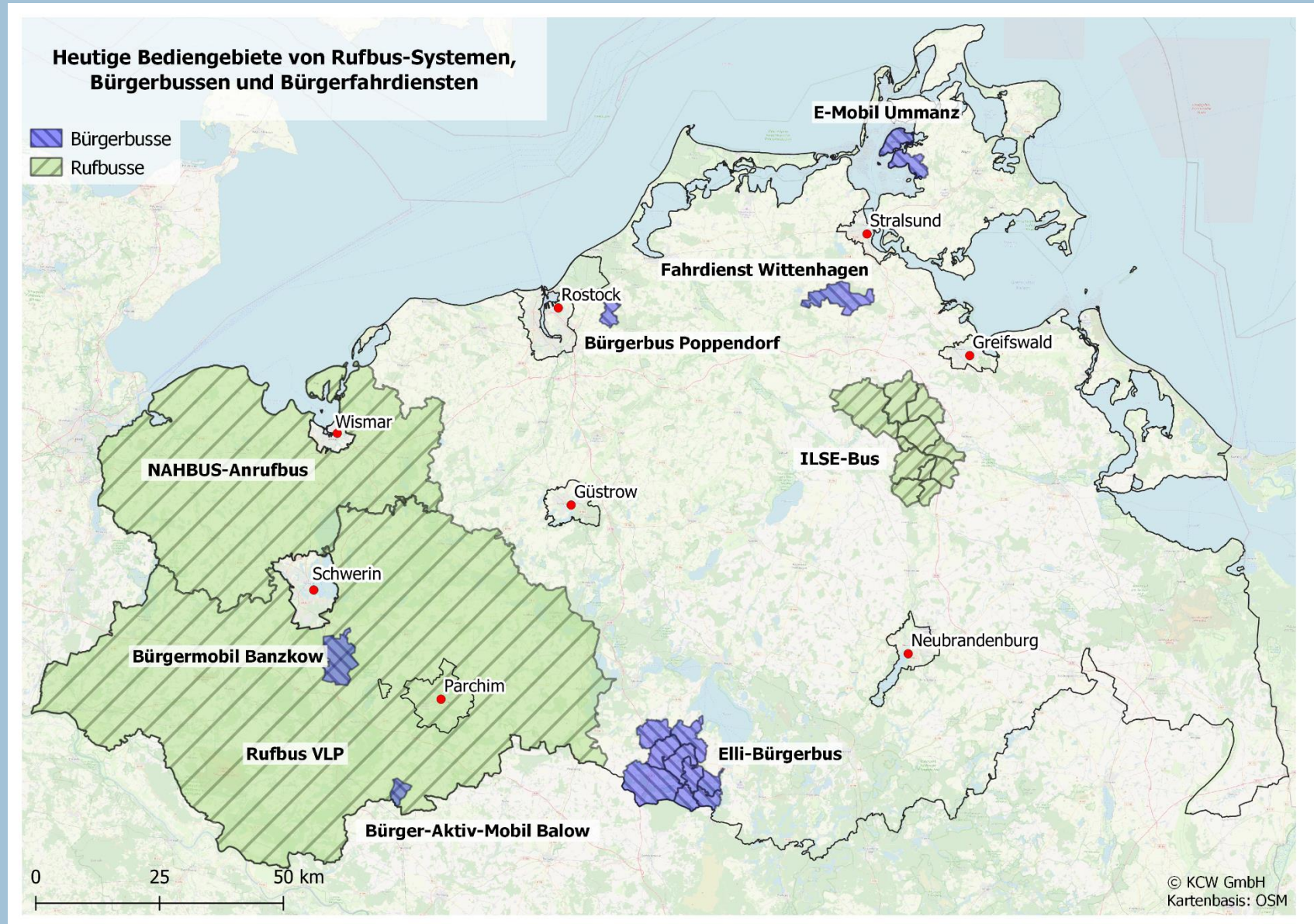
# Approach for improving the call-a-bus-system

## Identify gaps / Improve offer

- Identity mobility needs
  - Analyse mobility models
  - Involve stakeholders
- ←
- Population mobility monitor (PMM)
  - Analysis maps / GIS tool
  - Evaluations/external expertise

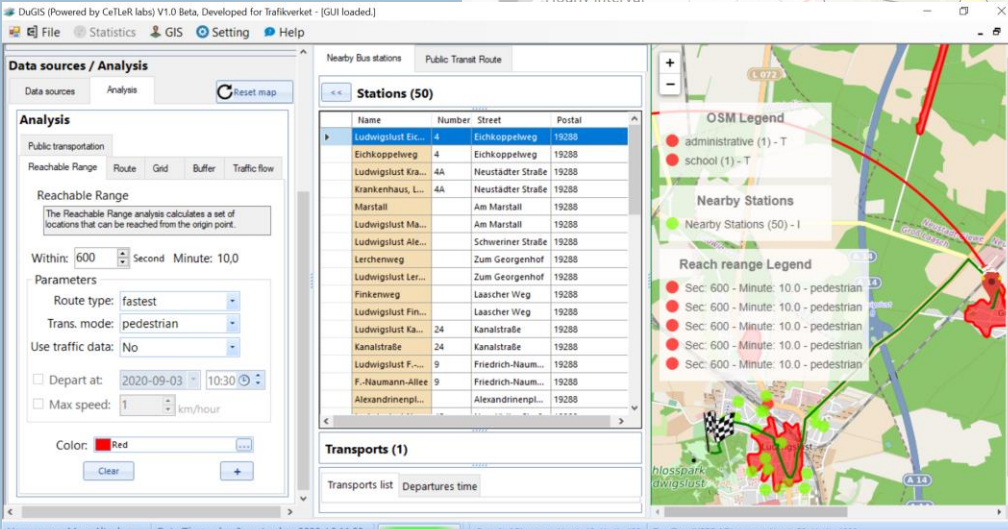
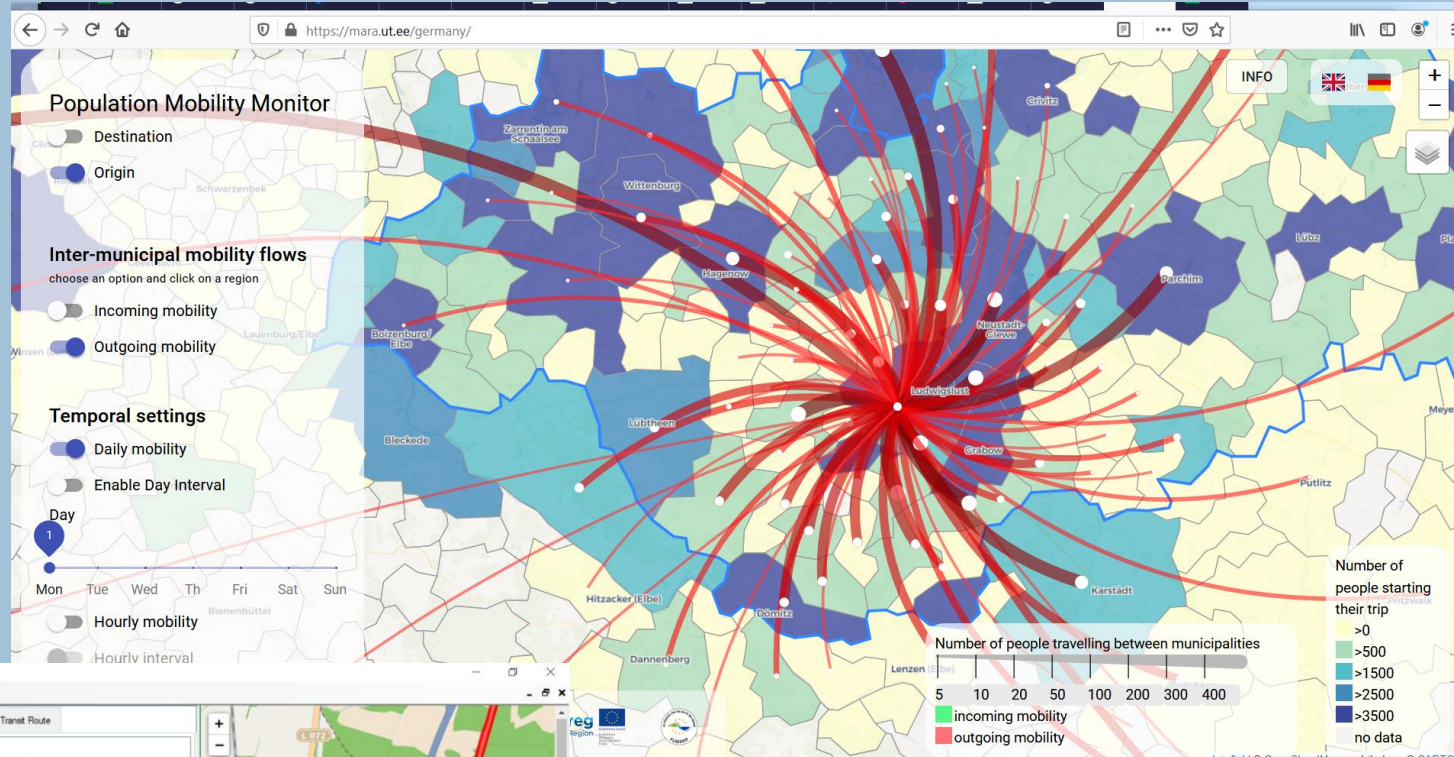


# Supply areas of citizen busses and call-a-bus-systems in Mecklenburg-West Pomerania (external expertise)



## PMM

- Visualisation of mobility data/patterns



## GIS-Tool with

- Representation of point of interests
- Transportation networks
- Manifold analysis possibilities

## Pictures/maps are from the following sources:

<b>Slides</b>	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: <a href="https://netzplan-vlp.de/index.php/de/netzplan">https://netzplan-vlp.de/index.php/de/netzplan</a>
	12	kcw GmbH
	13	Screenshots by Ministry for Energy, Infrastructure and Digitalization from PMM, University Tartu DuGIS, University Dalarna

Thank you!

