8th HUMANIST Conference



21-22th SEPTEMBER 2023 Berlin, Germany



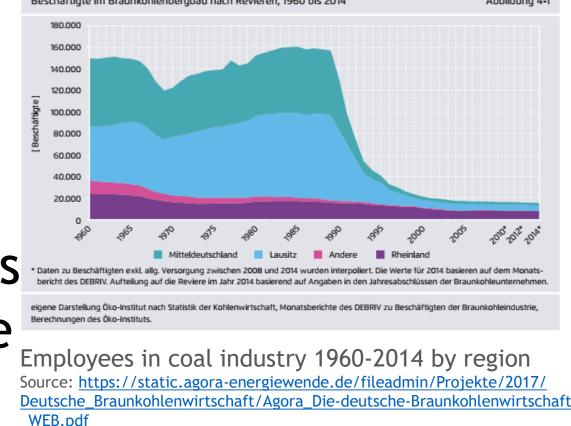
Preferences for new public transport options in a lignite mining area - an app-based qualitative usability approach

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Challenges

On-going change of structures:

- decline in coal industry
- impact on economy, jobs, population, mobility patterns
- Low density of infrastructure



Rural mobility:

- increasing car use
- decreasing attractiveness of public transport
- groups depending on p.t. (e.g. children, elder women)
- long headways, insufficient during mornings and at night 211212.pdf

BOS														
BUS 443		Montag - Freitag												
Fahrtnummer		01	03	05	07	09	11	13	15	17	19	21		
Verkehrshinweise			99	99	99		98	99	98	99				
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Eisenhüttenstadt, Friedrich-List-Str.	ab							13.55		14.45				
-An der Schleuse								13.56		14.46				
Diesterwegring								13.57		14.47				
-Fährstraße								13.58		14.48				
-Am Trockendock								13.59		14.49				
-Amtsgericht								14.02		14.52				
An d. Holzwolle								14.04		14.54				
Eisenhüttenstadt, ZOB	an							14.06		14.56				
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Bus 400, 401, Bhf.Glashüttenstr.	an		6.17	6.35										
Bus 440, 441, Neuzelle	an				7.42	8.40		13.53	14.42	14.54				
Bus 451 QualifizierungsCentrum	an								14.40					
Bus 454 Bahnhof, Mittelschleuse	an	5.44		Ċ	7.52		12.44	·	14.44	14.44	15.44	17.14		
Eisenhüttenstadt, ZOB	ab	6.02	6.27	6.40	8.11	9.11	12.50	14.07	14.45	14.56	15.50	17.20		
ArcelorMittal B112		6.05	6.30	6.43	8.14	9.14	12.53	14.10	14.48	14.59	15.53	17.23		
Eisenhüttenstadt, An der Pohlitzer Mühle B112	2	6.07	6.32	6.45	8.16	9.16	12.55	14.12	14.50	15.01	15.55	17.25		
Siehdichum, Pohlitz Pohlitzer Mühle		6.08	6.33	6.46	8.17	9.17	12.56	14.13	14.51	15.02	15.56	17.26		

Research question

How to develop new mobility concepts for lignite mining and rural areas by involving users of an interactive mobility app?

New mobility options









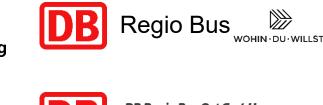
Project partners and funding



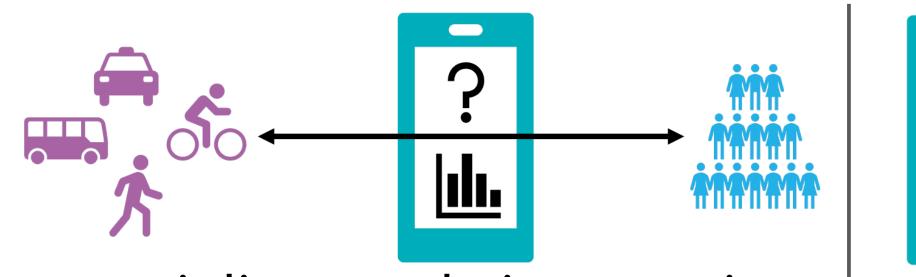


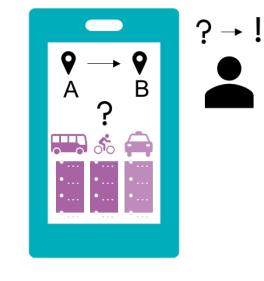




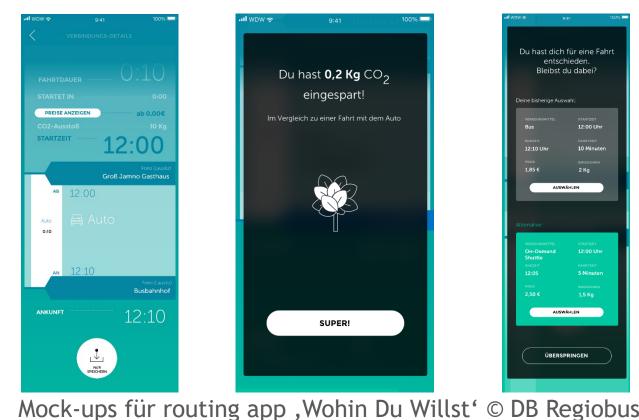


Approach of the research project

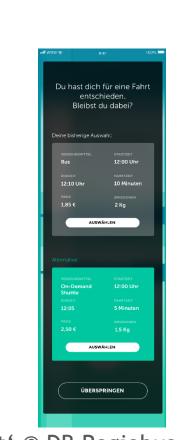


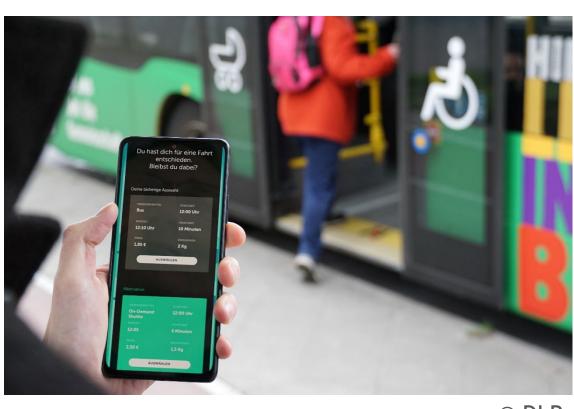


- quasi discrete choice experiment (500 participants planned): use extension of existing routing app to collect data on the potential choice of (new) mobility options and actual trips and modes used
- use transport models to assess potential
- workshops on mobility needs in rural areas and usability









First results

Two stakeholder workshops:



- 2-3 hours
- 5-8 participants (different age, gender, mobility)
- Tasks: e.g. search route to home
- test of the research version of the app: ideas and opinions regarding functionality and design
- challenges and needs in daily mobility: trips at the end of the day not possible; facilitate taking bike on bus and flexibility of transport options desired
- new mobility options preferred: ridesharing and on-demand bus to the next city

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