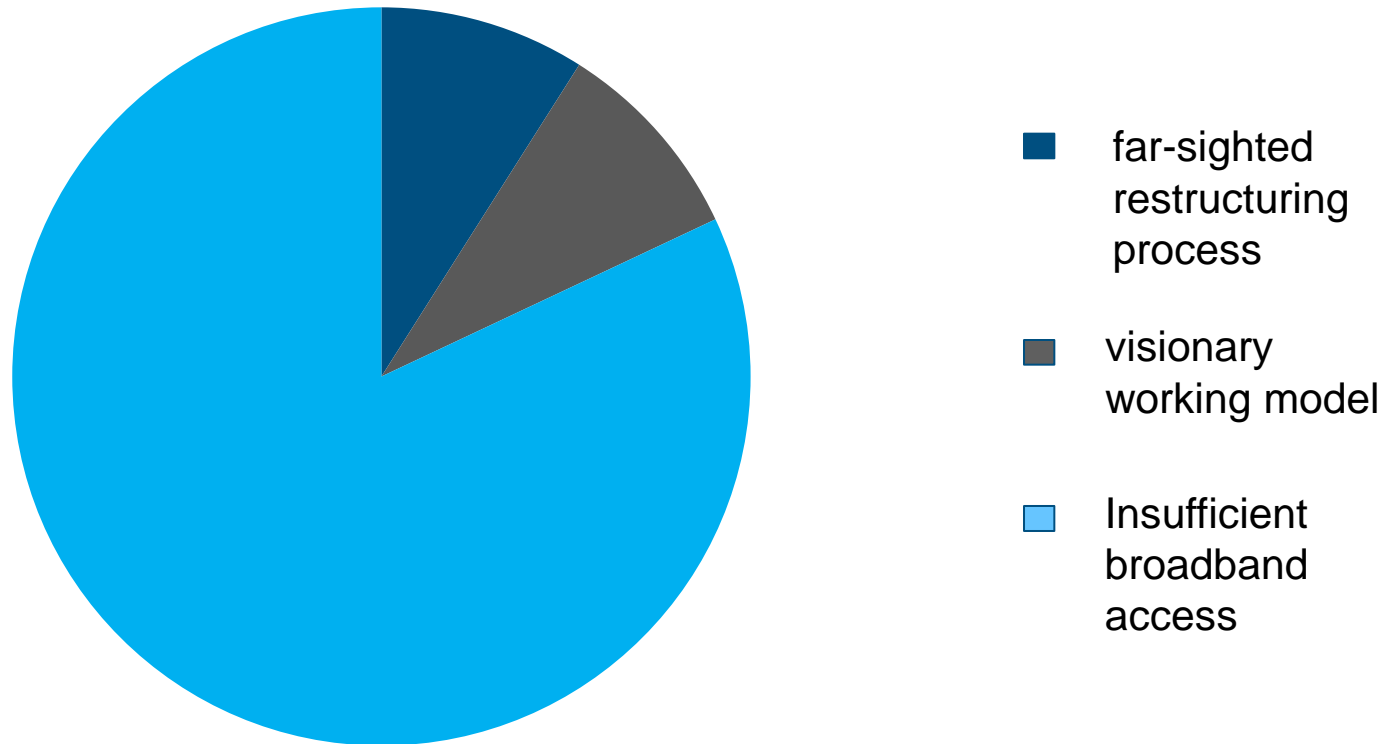


German Smart Digitalisation: MOROdigital I – Digital Infrastructure as regional development factor MOROdigital II - Organizing and Processing Data



What protects us against job losses through digitalization?





Modelprojects of Spatial Planning - MORO: Relevance for the Regional and Local Level

Objectives of national spatial planning

Growth objective

compensation target

sustainability objective



Testing innovative approaches in model regions to improve rural areas



Obstacles of broadband roll-out in rural areas

- Rollout not profitable for private companies due to low number of users and long distances
- willingness to pay by rural residents does not meet these additional access costs
- market failure

Innovative solutions on the supply, demand and regulatory side are urgently needed.

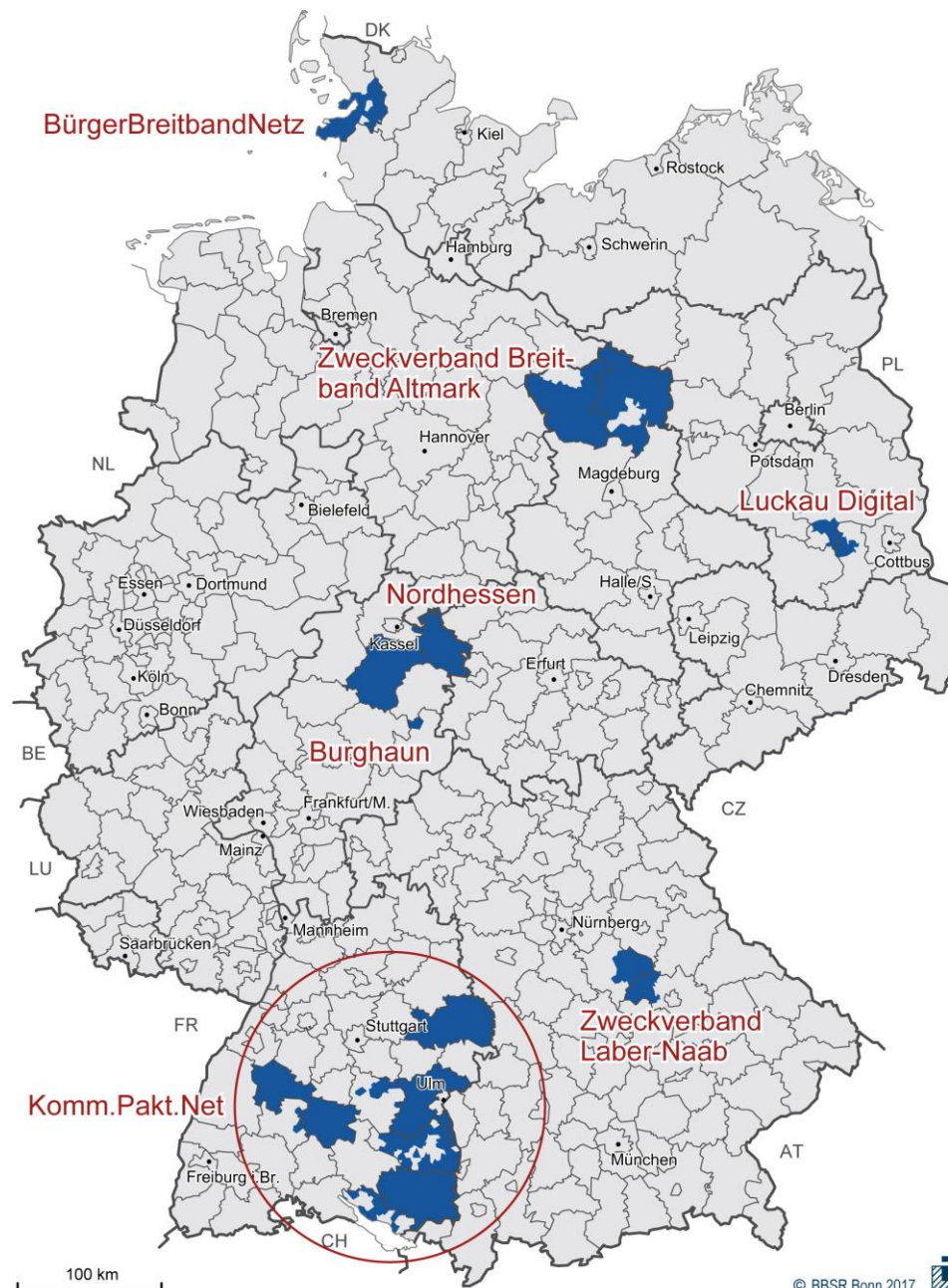


Improve access to fast broadband connection

- 4,4 billion € funds for deployment in rural areas
- regional broadband roll-out strategies
- Law to enable the access to passive infrastructure (DigiNetzG)
- advertise innovative broadband services and their usage.



Federal Ministry
of Transport and
Digital Infrastructure



Modellregionen im MORoDigital

Datenbasis: Referat I 1 des BBSR
Geometrische Grundlage: Gemeinden (generalisiert),
31.12.2015 © GeoBasis-DE/BKG
Bearbeitung: G. Lackmann





Lessons learnt from our model regions

Potential for synergy	<ul style="list-style-type: none">• Advantages of shared use predominate with network operators, not with municipalities
Market behaviour	<ul style="list-style-type: none">• Municipalities want to continue self-initiated projects despite announced private sector expansion• Competitive behavior hampers publicly supported expansion projects
Open-Data	<ul style="list-style-type: none">• Limited availability/Rights of use of geo data prevents cost efficient planning



Lessons learnt from our model regions

Organisation	<ul style="list-style-type: none">• Regional projects depend on the commitment of individuals; municipal lack of resources, expertise, technical equipment.
Demand/ Communication	<ul style="list-style-type: none">• Marketing of digital potentials is only credible, if there is an existing infrastructure; a shortage has direct impact on demand.
Financing Expansion	<ul style="list-style-type: none">• Competition of funding programmes makes reliable planning difficult.• Private financing is desired, but not sufficiently considered in regulation.
Coordination	<ul style="list-style-type: none">• Without local support in politics and business regional measures do not work.



MOROdigital II – Smart Regions

- Digitalisation requires more than one project : **Research Cluster**
- Research on Smart Regions + Building Information Modelling (BIM)
- Research on digital services of general interests
- Research on digital planning processes and algorithm-based decision-making





Agenda

Digital Expertise

Technology

Organization and Processes

Thank you for your attention!

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