

Leibniz Institue for Agricultural Engineering

Leibniz Centre for Agricultural Landscape Research

Innovation Partnerships for Rural Development

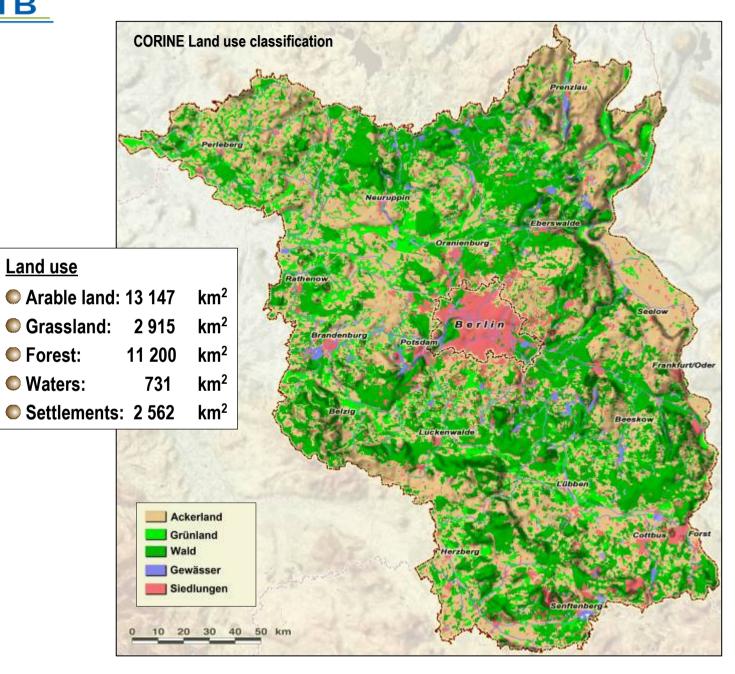
The Regional Context



Brandenburg's Strategy for Sustainability in Rural Areas

Hubert Wiggering/ZALF & Reiner Brunsch/ATB



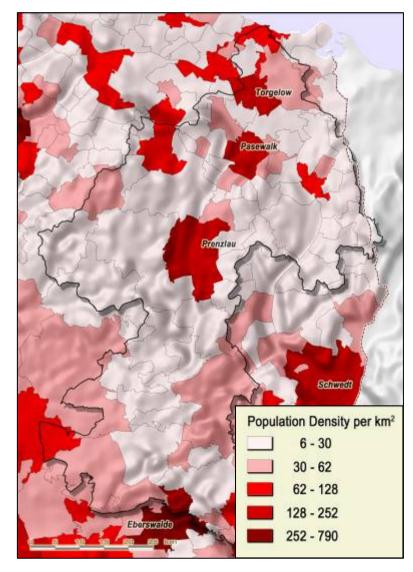






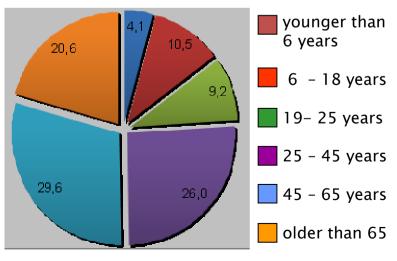
Regional Structural Analysis

Population density: example Uckermark/Brandenburg/Germany



- population concentrated in few centers
- lowest population density in Germany

Age structure in Uckermark County



ZALF (2008) / Arndt et al. (2008)





Brandenburg's Strategy for Sustainability in Rural Areas

..... and where to start?





Common Agricultural Policy (CAP)

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The CAP towards 2020 (proposal published Oct 12, 2011)		
Challenges and Objection	ves:	
Economic:	Food security Price Variability	
	Economic Crisis	
Environment:	GHG emissions, climate change Soil degradation Water/Air quality Habitats and Biodiversity	
Territory:	Vitality of Rural Areas Diversity of European Agriculture	
European Commission, DG Agriculture and Rural Development, 10/2011		



The CAP towards 2020 (published Oct 12, 2011)

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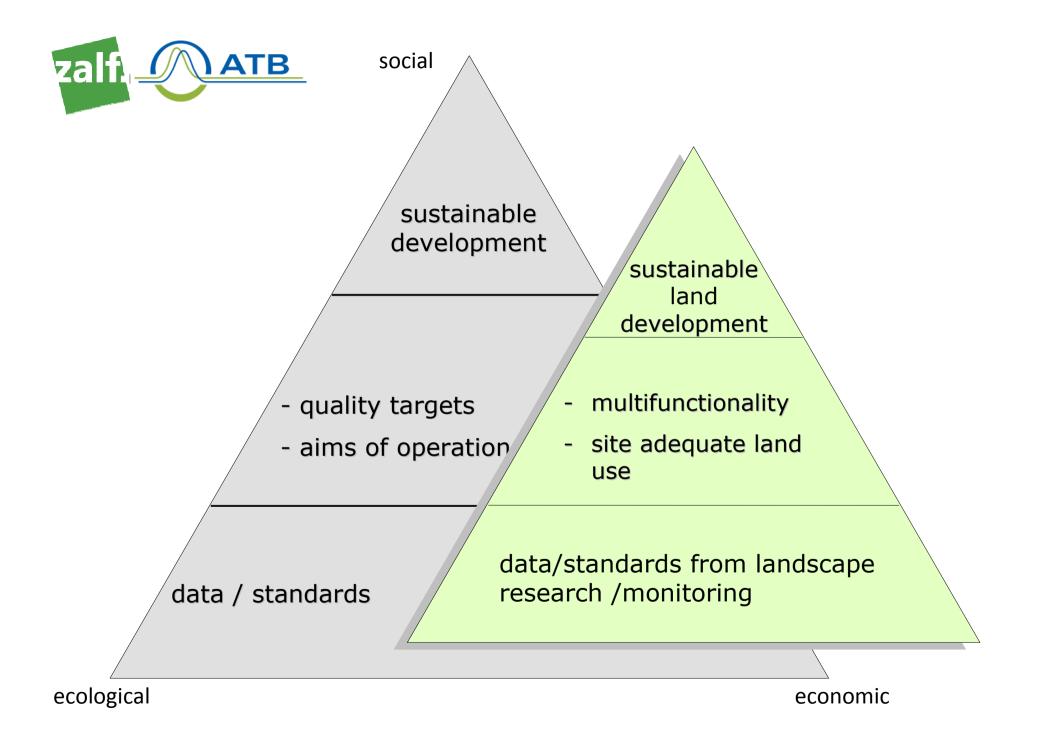
CAP_2013slide-show_en.pdf - Adob	e Reader		
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How will the CAP be financed?			
Commission proposals on Multi-Annual Financial Framework for 2014-			
2020 to maintain CAP spending at 2013 levels in nominal terms			
	in billion EUR	Current prices	
	- Pillar I - Direct payments and market-related expenditure	317.2	
	- Pillar II - Rural development	101.2	
	Total Pillar I and II	418.4	
	- Food safety	2.5	
	- Most deprived persons	2.8	
	- Reserve for crises in the agricultural sector	3.9	
	- European Globalisation Fund	Up to 2.8	
	- Research and innovation on food security, the bio-economy and sustainable agriculture	5.1	
	Total additional amounts	Up to 17.1	
	Total proposed amounts for the period 2014-2020	Up to 435.5	
19	Source: Commission Communication 'A budget for Europe 2020' – COM(2011) 500 final, part II.		
Ø	European Commission Agriculture and Rural Development		
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	European Commission, DG Agricultural and	Rural Development, 10/2012	
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European Commission 2011

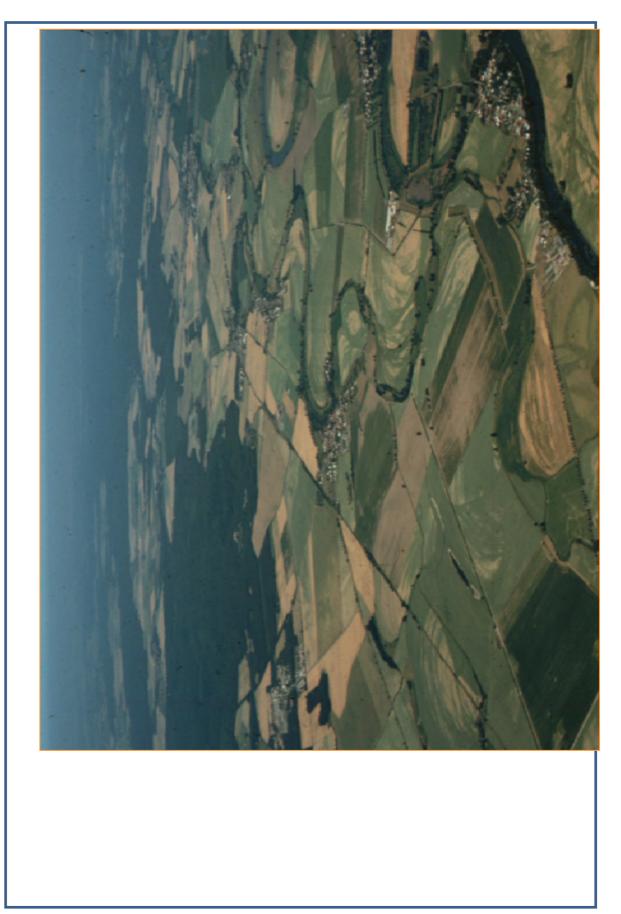




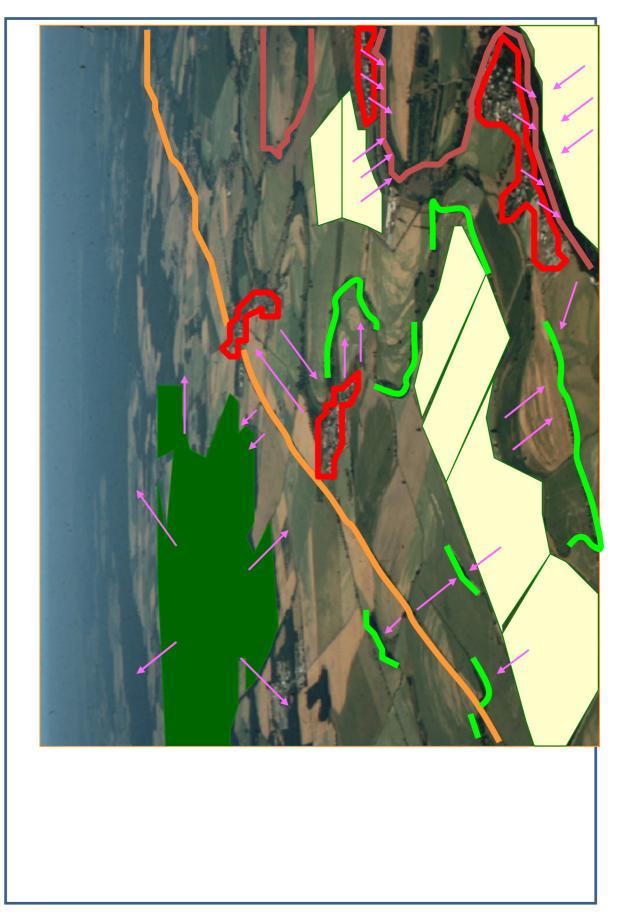
Brandenburg's Strategy for Sustainability in Rural Areas











ecological effects

ΔΤΒ

zali

(due to environmental and resource management)

socio-economic effects

(due to exogeneous boundary conditions)





Brandenburg's Strategy for Sustainability in Rural Areas



The Council for Sustainable Development of the State of Brandenburg

Recommendations supporting the discussion about the corner points for a Brandenburg Sustainability Strategy

Challenges and opportunities from our perspective:

- Services for the public
 Partnership Brandenburg Berlin
 Leadership in climate change politics
 Communication, education and research
- ➤Sustainability and governance





Priorities for activities

Governance

- Installing governmental structures for sustainable development
- Developing communication strategies
- Establishing management structures for monitoring
- Linking strategies of federal and state level
- Developing an institutional archetype
- Linking top-down and bottom-up approaches
- Developing pilot studies





... and the target?

a land use conception for Berlin/Brandenburg (instead of singular strategies and measures)



CITY-REGION: TYPE (A)

Globalized development dynamic, with sub-optimal city-region governance & planning:

Result - 'urban sprawl'

CITY-REGION: TYPE (B)

Balanced development dynamic with strategic city-region governance & planning:

Result - 'social city-region'

'Aerotropolis' with distributed lowdensity peri-urban development

'Archipelago' of _____ globalized business parks / science parks / logistics / retail parks / health & education campuses

Outward push & _____ sprawl of monofunctional landuses: displacement of local diversity & resilience

> Widening social & economic divisions & exclusion zones

Car dependency, traffic congestion, vulnerability to climate change & fossil fuel shortage

Linking global to local economic capital & investment flows, to enhance ecosystem services & rural-urban links Spatial organization with clusters & families of settlement forms, to enable higher densities, values & quality of life

Integration of green / grey / gold types of infrastructure to enable sustainable urban metabolism for the whole city-region

Regeneration of diversity & resilience in local economies & communities, to enhance social inclusion



Recently discussed (reseach) themes

- Increasing productivity, resource efficiency, and sustainable resource management
- •Ecosystem services and soil functionality (productive capacity, carbon sequestration, water retention, biodiversity)
- •Innovative technology innovation in support of the bio-based economy
- •Sustainability of supply chain through innovation in products and services
- •Food quality, food safety, and healthy lifestyles (consumer information and consumer choice)

