



Examples of bioenergy planning in Germany: inspiration for Latgale ?

Bioenerģijas plānošanas piemēri no Vācijas: iedvesma Latgalei ?



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My presentation

Mana prezentācija

1. National policy framework
Nacionālas politikas ietvars
2. Example of a successful “bioenergy region” in Germany
Sekmīgas bioenerģijas reģiona piemērs
3. Opportunities of Latgale to become a “bioenergy region”
Latgales iespējas lai kļutu par bioenerģijas reģionu
4. Recommendations
Rekomendācijas




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National policy framework

Nacionālās politikas ietvars

- Effective national support schemes (e.g. Renewable Energy Sources Act, Renewable Heat Act, Market Incentive Programme)
- Complementary support at the **federal state** level (e.g. investment support, networking, training, advisory services)
- Nationwide Competition “Bioenergy regions” 
- Tradition of **local energy planning**
- Tradition of **municipal utility companies** providing multiple utilities (e.g. electricity, natural gas, district heating, waste management, public transport (“*Stadtwerke*”))



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National competition “Bioenergy regions”

Nacionālais konkurss “Bioenerģijas reģioni”



Aims

- Build up functioning **bio-energy actor networks** and **co-operation structures** on a regional level
- **Increase regional value added** and contribute to **employment creation**
- Exploit the **regional biomass potential** and develop **local supply chains**

Activities:

- Network management, know how transfer, training, qualification etc.
- No direct investment support!
- Regions had to prepare a **Regional Development Concept**



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Nationwide competition “Bioenergy regions”

Nacionālais konkurss “Bioenerģijas reģioni”



- 210 regions applied for public funding
- 25 regions have qualified
- Public funding: 400,000 EUR for each region (3 years)
- Regions to implement the regional development concepts
- 20 regions qualified for a second funding phase 2012-2015
(→ co-operation with “twinning” regions)



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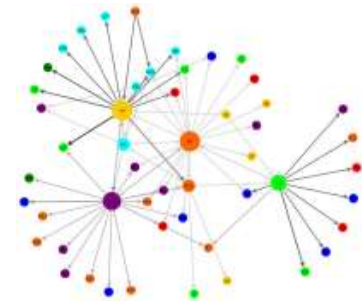


Examples of activities in the bioenergy regions

Piemēri bioenerģijas reģionos Vācijā



- Build up of network structures, **network coordination** and **management**
- Awareness raising and **motivation** of stakeholders
- Exhibitions, bioenergy tours and site visits
- Regional biomass potential analyses + feasibility studies
- Establishment of **regional biomass trade and logistics centres**
- Construction of **local district heating grids** to utilize the waste heat from existing biogas plants
- Promotion of “**bioenergy villages**”



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Bioenergy region “Mecklenburg Lake District”

Bioenerģijas reģions “Meklenburgas ezeru zeme”



- Part of the federal state of MV (former GDR)
- Covers 3 administrative rural districts
- 5,812 km², ~300,000 inhabitants
- Agricultural land 60%, forest land 24%, lakes 9%
- Low level of economic activity, one of the structurally weakest regions in Germany
- Low population density (51/km²), rural depopulation (-20% since 1990)
- Unemployment rate 13%, low income rates
- **Tourism and renewable energy production are growing economic sectors**



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<http://www.germany.travel/iv>



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Bioenergy region “Mecklenburg Lake District”

Bioenerģijas reģions “Meklenburgas ezeru zeme”



ARGE Initiative Bioenergieregion
Mecklenburgische Seenplatte GbR

<http://www.seenplatte-bioenergie.de>

- Initiators were **4 local enterprises** (Stadtwerke *Neustrelitz*, local Bioenergy Centre, local energy provider, bioenergy village)
- Aims:
 - Increase employment and reduce regional imports of fossil fuel
 - Increase the **value added** in the region through bioenergy use
 - Increase the number of projects through networking and co-operation along the bioenergy supply chain
 - Create a municipal and citizen owned utility company



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Bioenergy region “Mecklenburg Lake District”

Bioenerģijas reģions “Meklenburgas ezeru zeme”

Agriculture and forestry (13)

Manufacturing enterprises (42)

Regional development actors (19)

Policy and administration (22)

Research organisations (16)

Media (82)

NGOs (12)

Service enterprises (26)

Business associations

Financing institutes, local banks



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Achievements

Sasniegumi

- 239 members, many individual projects
- Number of biogas plants increased from 17 (2009) to 48 (2012)
- Number of solid biomass plants increased from 7 (2009) to 17 (2012)
- Regional Information and Demonstration Centre for Renewable Energy
- Promotion of “bioenergy villages” in the region
- Utilization of surplus heat from existing biogas plants and construction of small scale district heating networks
- Energy efficiency measures in public and private buildings



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Key messages

Galvenie secinājumi

“Not only investment support is important, but also the promotion of regional co-operation networks”

“Networking must be the organisational answer to the complexity of the supply chain of bioenergy”



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Bundesministerium für
Erklärung, Landwirtschaft
und Verbraucherschutz


Baltic Sea Region
Programme 2007-2013

Opportunities of Latgale to become a bioenergy region

Latgales iespējas lai kļūtu par bioenerģijas reģionu

- Continuously rising prices for fossil fuels!
- **Planning Region** and **Development Agency** are directly linked to the municipalities and might take the role of an **initiator/coordinators** for a regional bioenergy network
- Potential **supporting actors** and structures exist (e.g. plant operators, universities, pellet/wood chip producers, municipal energy utilities)
- Regional Action Programme Green Energy
- Emerging **lighthouse projects** with high visibility
- **Unused biomass potentials** (e.g. forest and agricultural residues, biomass from landscape management, organic waste)
- Existing district heating grids



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Recommendations to the Planning Region

Rekomendācijas Plānošanas Reģionam

- Optimize the institutional structure (energy commission, energy agency)
- Create a vision for the future energy system of Latgale
- Develop realistic, quantifiable and verifiable targets
- Assess the regional biomass potential
- Make visible lighthouse projects in your region
- Promote the creation of “bioenergy villages” in Latgale
- Link bioenergy with other development programmes
- **Keep the money in your region and strengthen the local economy!**



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Source: <http://farming.ee/upload/article/3426/bio%20energy.jpg>

Liels paldies par Jūsu uzmanību
Lels paļdis par Jūsu uzmanību!



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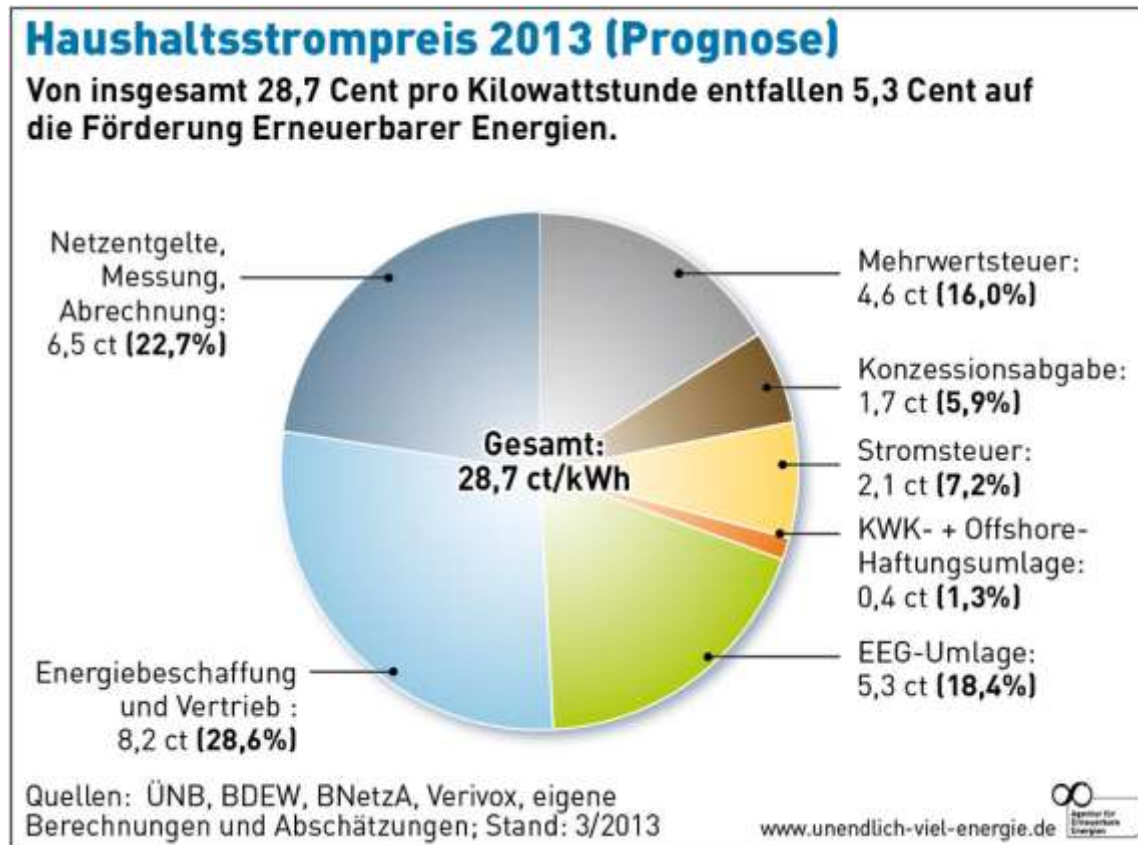
Positive Economic Effects of Increased Deployment of Renewable Energies

billion Euro 2008



Source: IfnE based on Industry Forecast; Status: 1/2009

Elektrības cenas. Ko tās ietver?



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Elektrības cenu attīstība 2007-2013



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