



German WindEnergy
Association (BWE)

Wind energy in Germany

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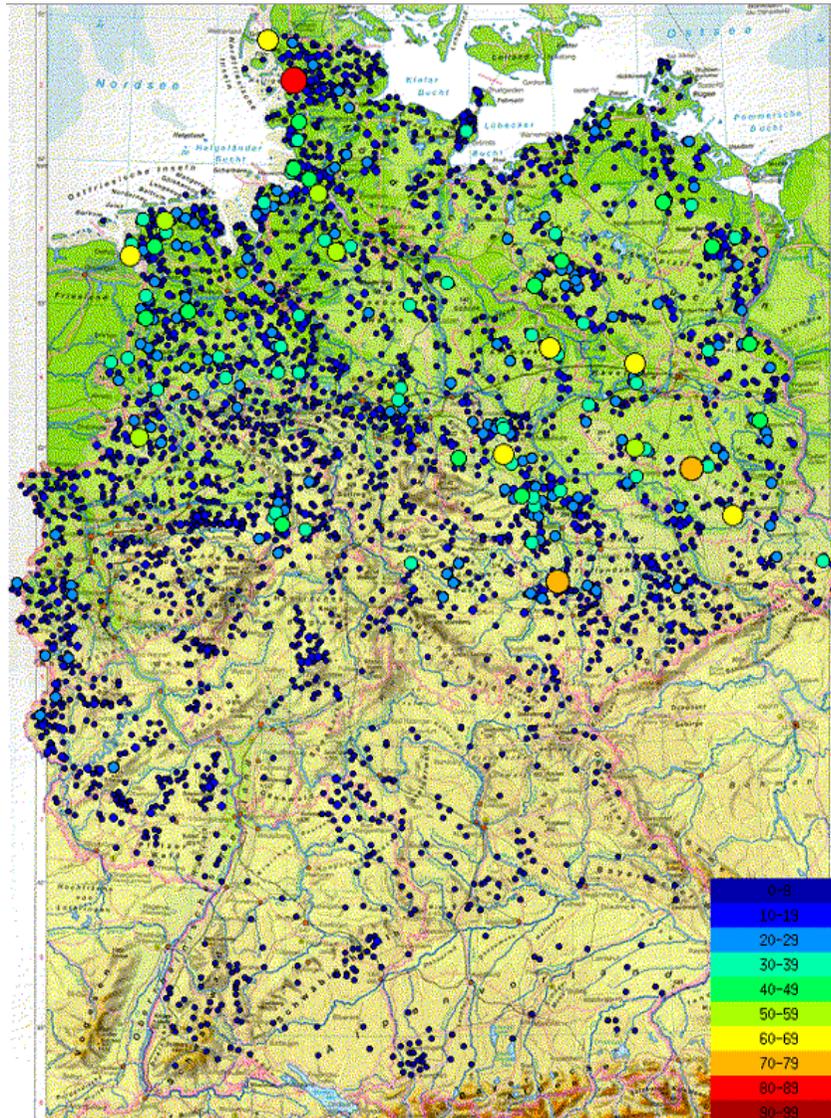


www.wind-energie.de

Statistical data wind energy end 2009

	2009	2008
Total installed capacity	25,777 Megawatt	23,903 Megawatt
Newly installed capacity	1,917 Megawatt	1,665 Megawatt
Number of turbines	21,164	20,301
New turbines in one year	952	866
Electricity generation from wind power Share in gross electricity consumption	38.00 bn kWh 6.4 %	40.43 bn kWh 6.6 %
Potential annual energy yield Share in gross electricity consumption	46.76 bn kWh 7.5 %	43.01 bn kWh 7.0 %
CO2 emissions avoided	32.10 m tons	34.61 m tons

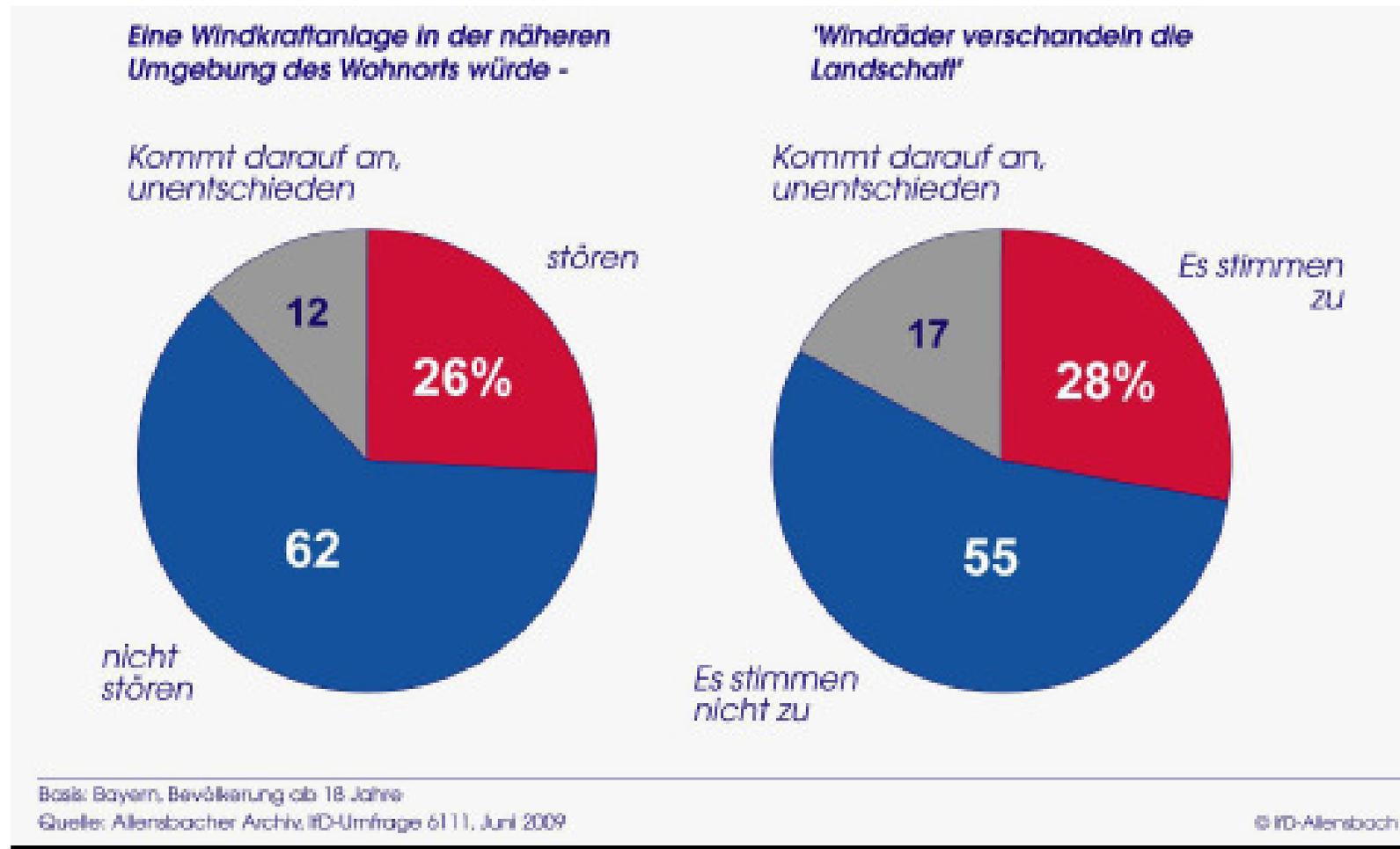
Installed wind capacity per region in Germany



Acceptance is driven by...

- High general environmental consciousness and support for renewable energies
- Employment: currently about 100,000 jobs, 37,000 in turbine manufacturing and supply industry
- Business tax for local authorities
- Community wind farms - financial involvement of local population
- Technical fascination

Surveys: acceptance of wind turbines, Bavaria 2009



Community wind farms – some good experience made

Planning: local participation in planning

- Land owners co-operation during planning phase
- Various land lease models

Financing: local participation first

- Participation offers to locals in first round
- Low cost operation – no special cost on top of shares in operating community

Land lease models...

...e.g. in Schleswig-Holstein where 60-70 % of projects are community projects

Income from leasing also for neighbouring areas
→ bigger areal is part of land lease contracts

- According to acoustic noise emissions – e.g. within 45 decibel line
- According to distance from settlement (sight)

Examples for land lease shares

- 50 - 60 % share for area with wind turbines
- 30 % for access roads
- 10 - 20 % for neighboring land



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