



Institute for Advanced Sustainability Studies IASS in Potsdam

Key drivers for “energy democracy”

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EnergyTransition.de

Copying German policy rarely led to grassroots support



Conservatives were always on board

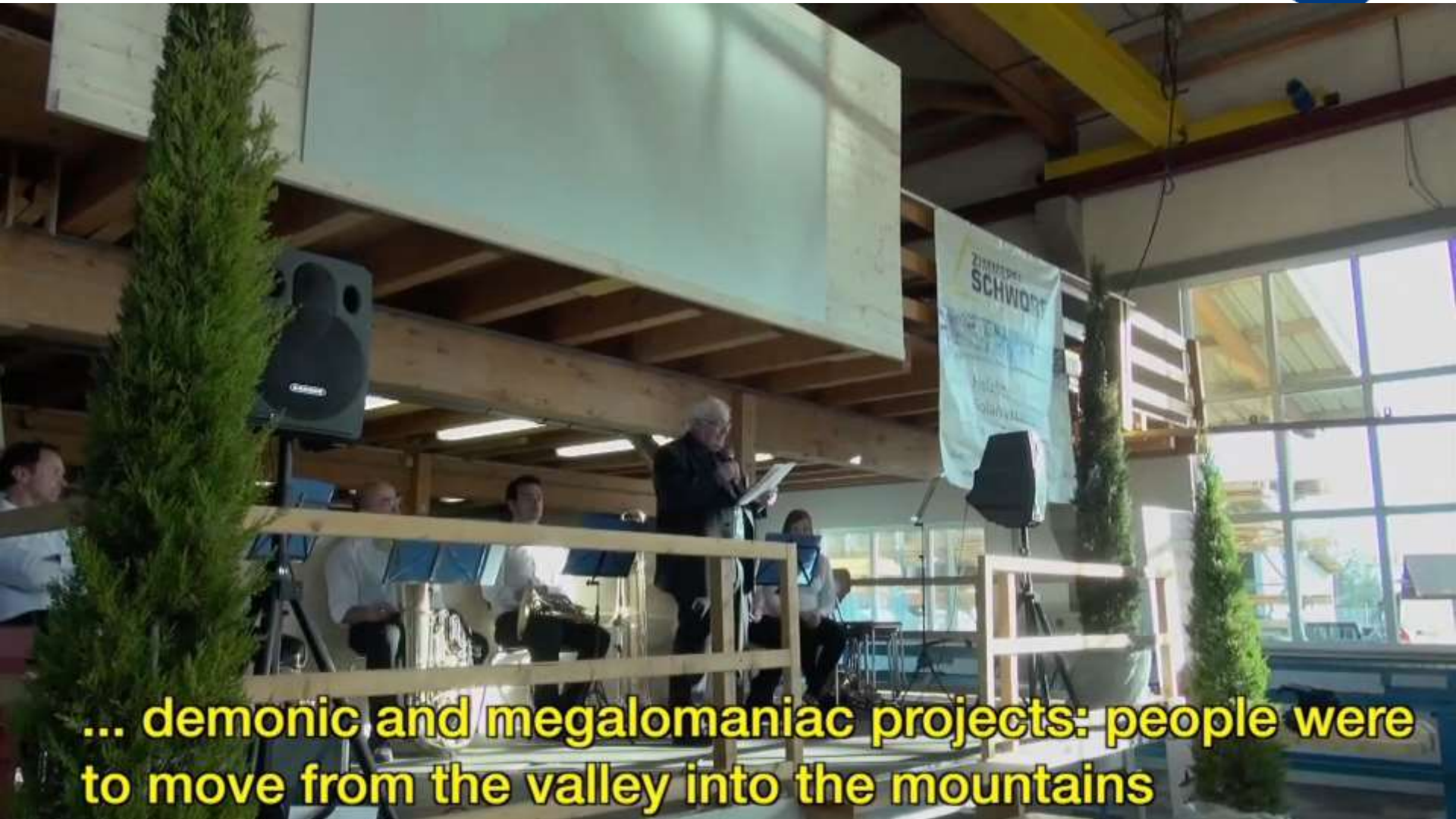


Conservatives were always on board



Photo: Bernd Nössler, Wyhl

Sternmarsch am 25.08.1974 gegen Bleichemiewerk in Marckolsheim und KKW-Wyhl in den Wyhler Wald



Your German word of the c Heimat



SELIM ÖZDOĞAN



First German community wind farm, late 1980s



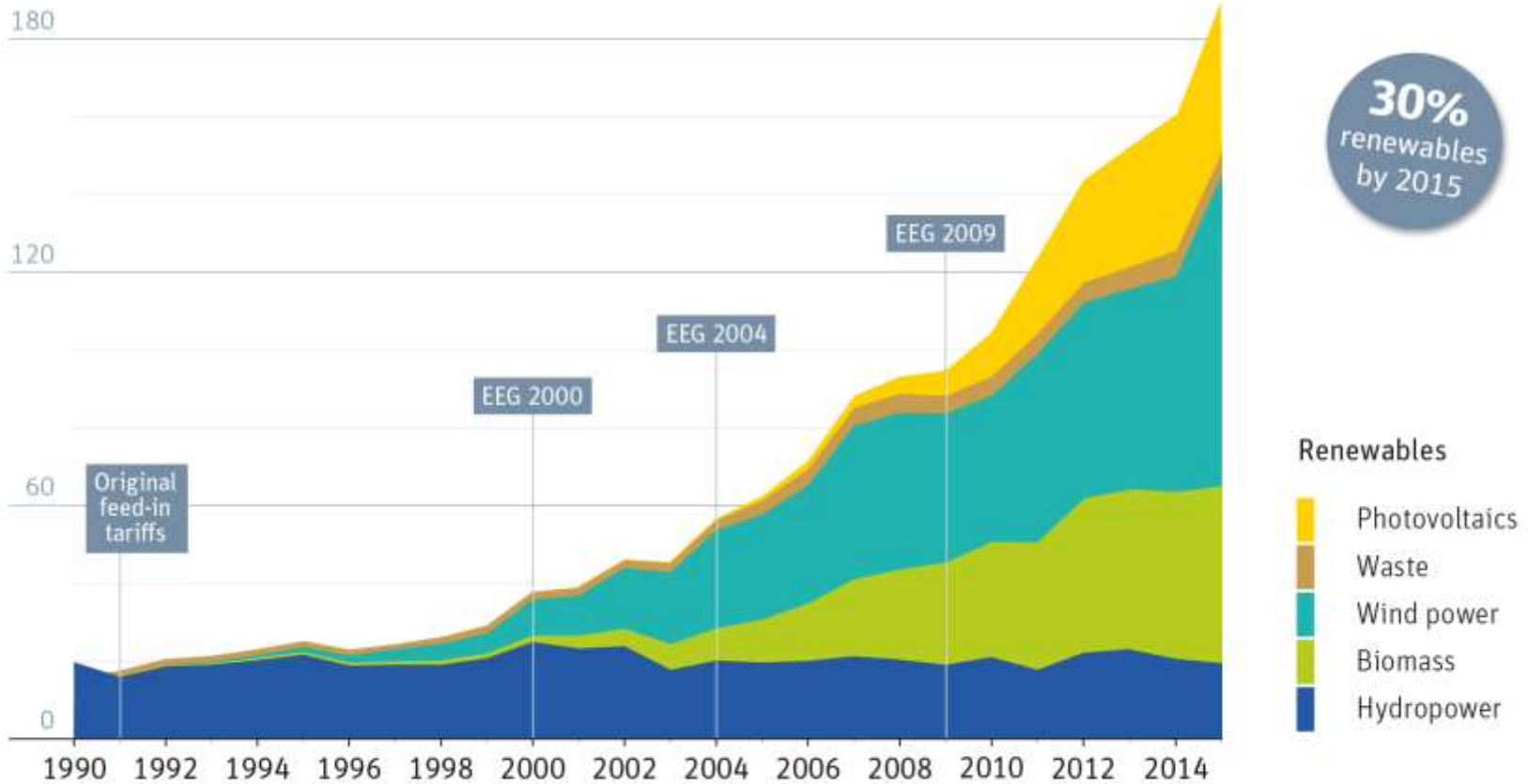
- local cooperative bank provided loan needed in Lübke Koog;
- locals came up with 2.3 million in equity, roughly 70,000 per person;
- farmers owned property that could be mortgaged;
- “We didn’t know what to wear when you sign a 16 million deutsche mark contract.”

Feed-in tariffs grow renewables

Renewable electricity generation in Germany, 1990-2015

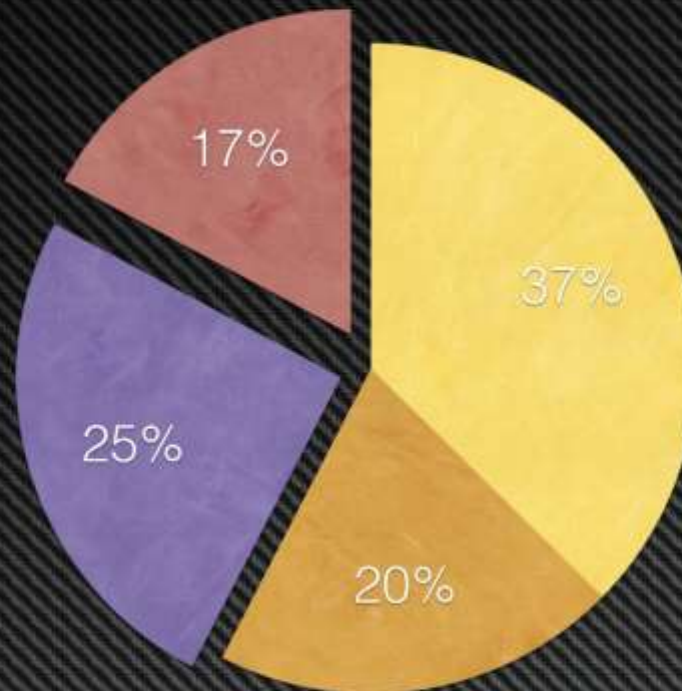
Source: BMU

Electricity generation in terawatt-hours



German citizens told utilities to participate or get out of the way and let them through

Renewables ownership 2010



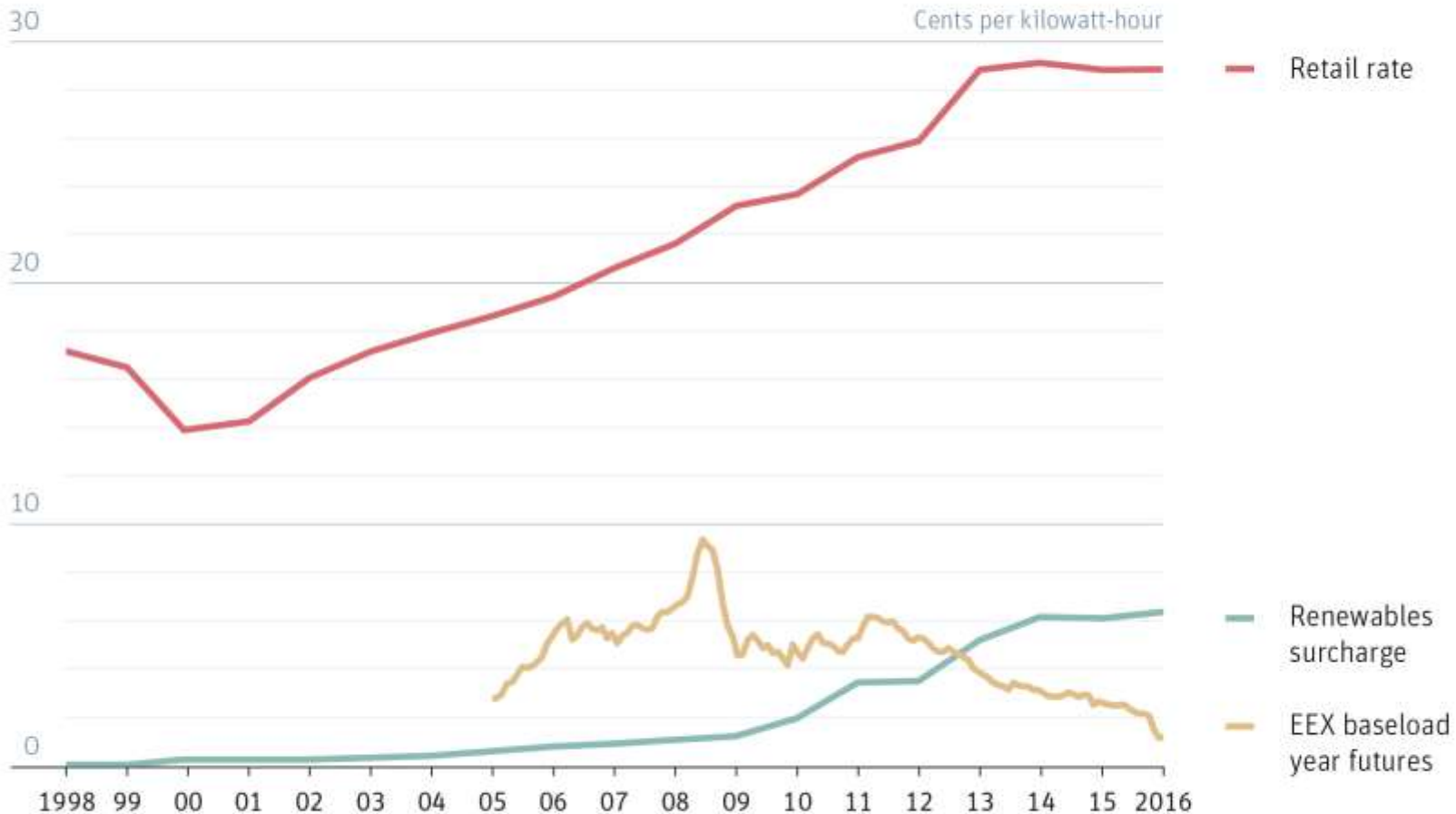
● Households ● Farmers ● Utilities, banks ● Industry, commerce

Source: DIW, "Impact of Renewable Energy Act Reform on Wind Project Finance"

Renewables are not the main driver for high power prices in Germany

Trends of retail rates, spot market price and renewable energy surcharge over past 18 years

Source: www.unendlich-viel-energie.de



93 percent of Germans support further growth of renewables

"The use and growth of renewable energy is ...", survey from August 2015

Source: www.unendlich-viel-energie.de

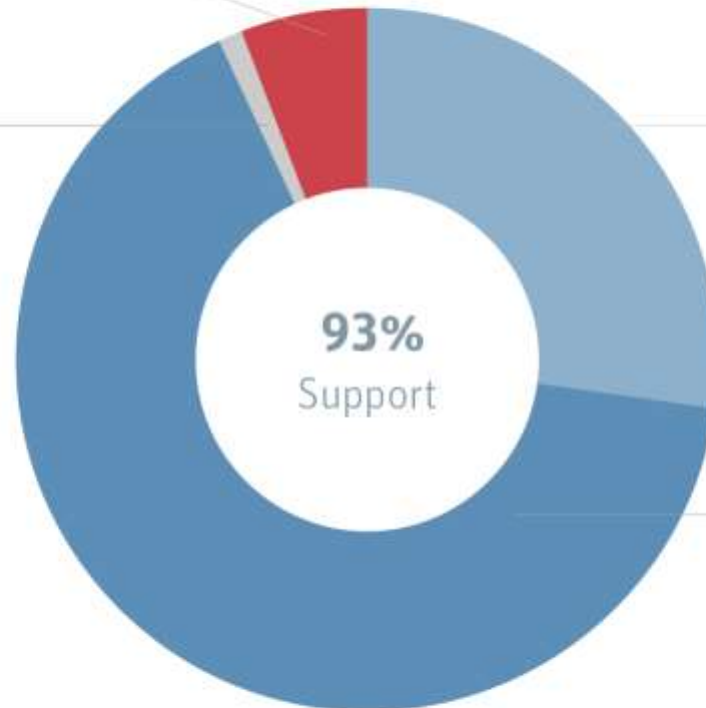


Less important or not at all

6%

No opinion or no answer

1%



Important

27%

Very or extremely important

66%

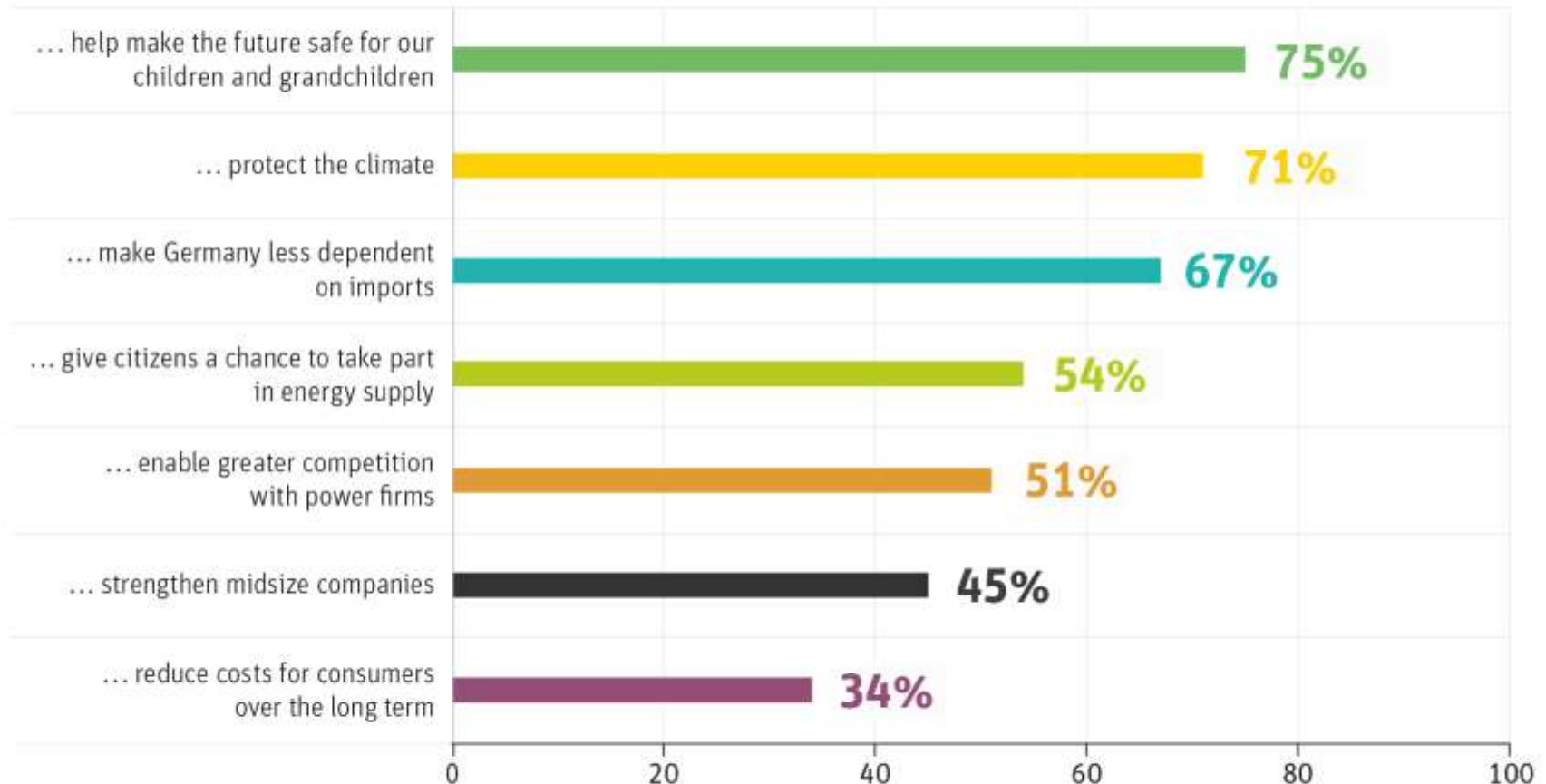
By 2013, around $\frac{3}{4}$ of German pig and bird farms made their own energy



The benefits of renewable energy: future technologies for climate protection

"Do you agree renewables ..." (multiple answers possible)

Source: TNS Emnid survey conducted for the AEE, 1015 participants – October 2014



Expert reasons for energy transition:

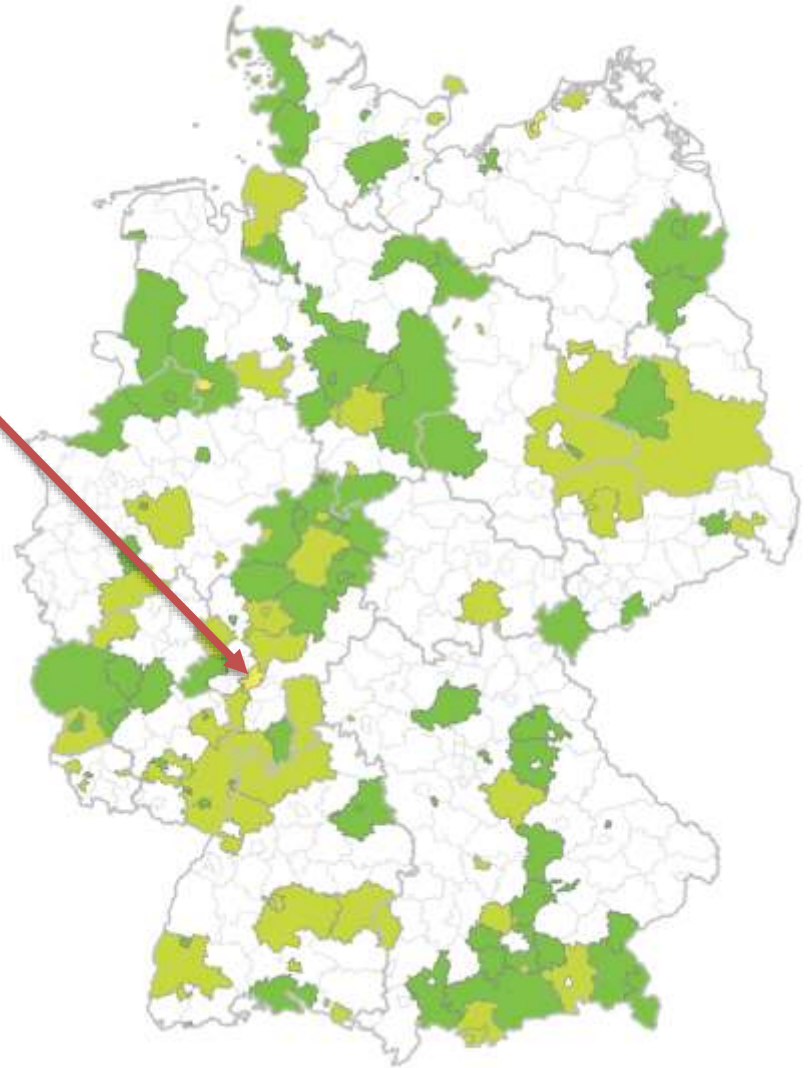
- 1) Climate change
- 2) Future jobs
- 3) Energy security

Rating 1-5 of reasons why
citizens join energy co-ops:

- | | |
|-----------------------|-----|
| 1) Support transition | 4.5 |
| 2) Conservation | 4.5 |
| 3) Participation | 4.5 |
| 4) Local added value | 4.2 |
| 5) Community member | 3.4 |
| 6) Personal profit | 2.6 |
| 7) Energy security | 2.6 |

100% renewable regions

City of Frankfurt!



Thanks for your attention!

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