Community Wind in Germany

Fabian Tenk, Project Coordinator

source: Bürgerenergie Thüringen e.V. (2017)

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- WWEA Project Community Wind in NRW/Germany
- Development of Wind Energy in Germany
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World Wind Energy Association (WWEA)

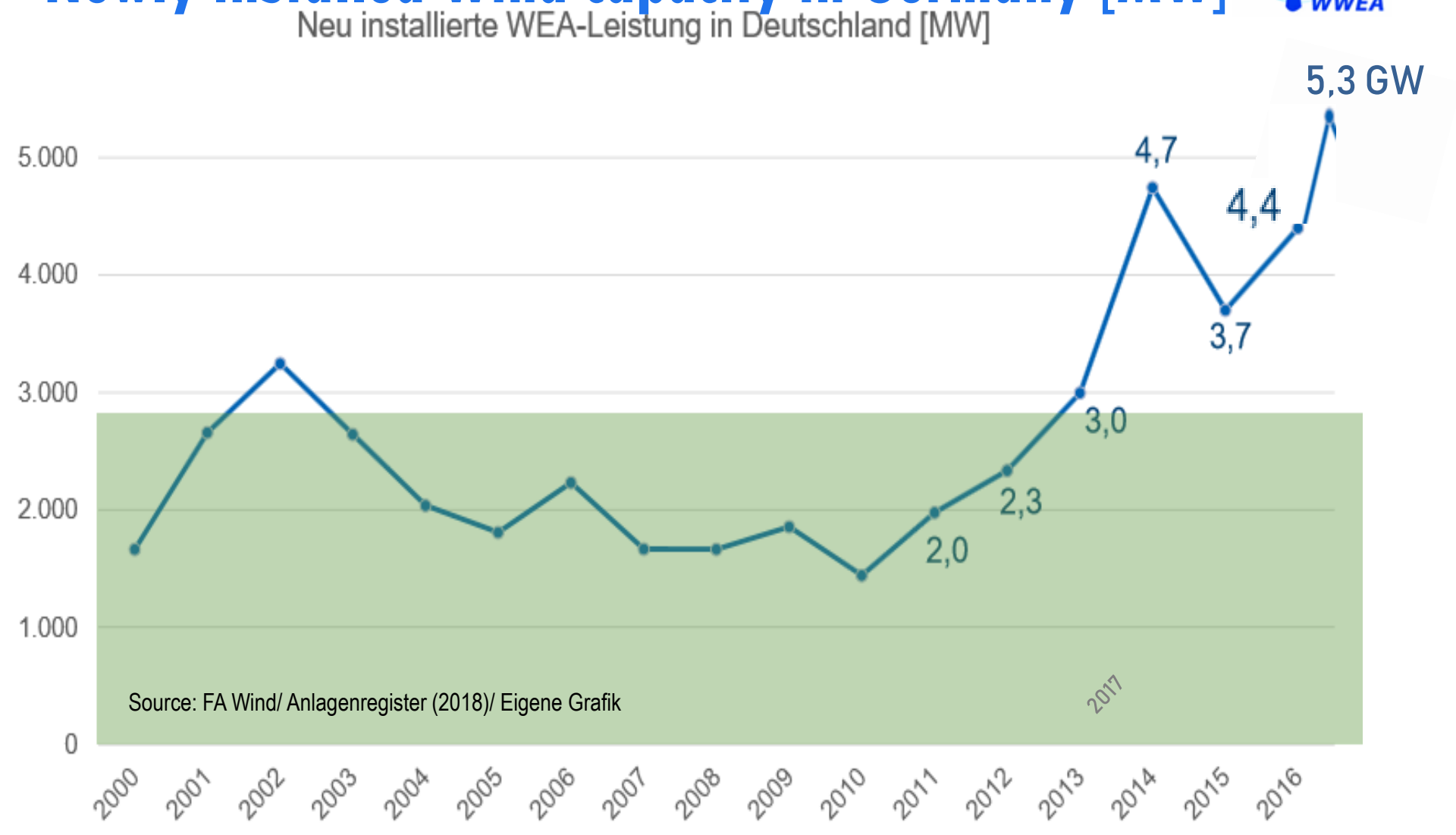
Our Mission: 100% Renewables

WWEA
World Wind Energy Association

MEMBERS IN MORE THAN 100 COUNTRIES

Study: Community Wind in North Rhine-Westphalia (2018)

Newly installed Wind capacity in Germany [MW]



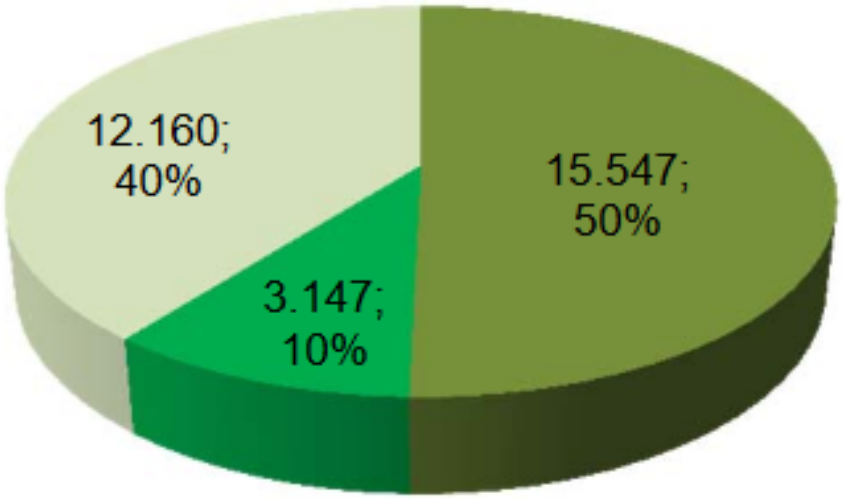
Community Power as driver of the energy transition

In 2016 42% of installed RE capacity was in the hand of people

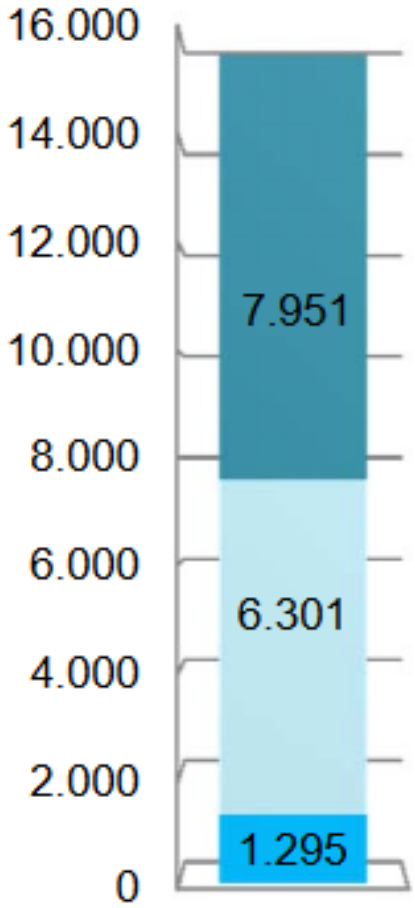
Ownership distribution of installed Wind capacity in Germany (2012) in MW

30.854 MW

- Community Wind in a broader sense
- Power providers
- Institutional and strategic Investors



Devisions of Community Wind



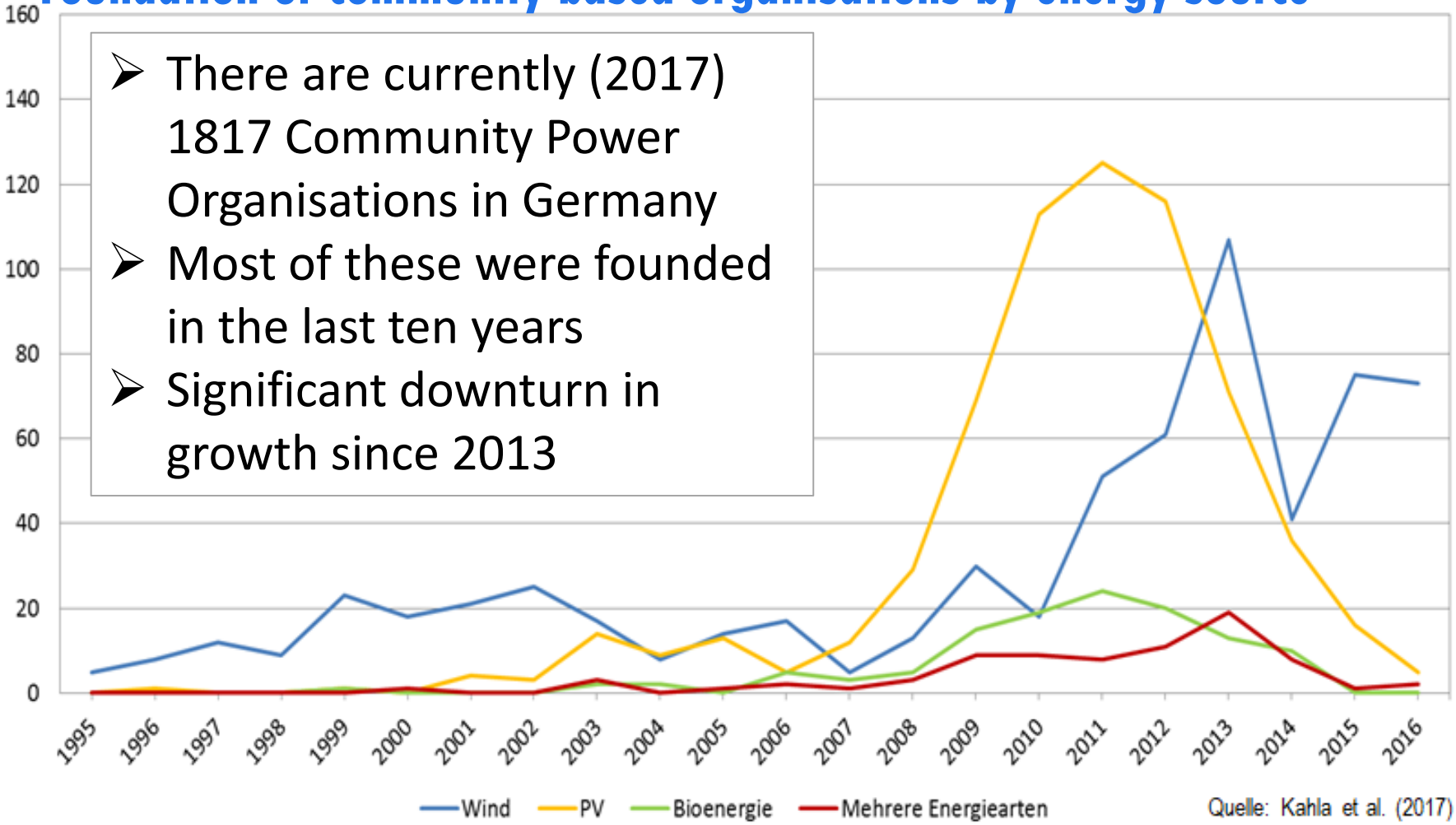
- Citizens participation, supra-regional, minority sharholding
- Community Power organisations
- Individual Owners

Source: Bündnis Bürgerenergie e.V./ Leuphana Universität Lüneburg 2014

What is the significance of Community Power?

Foundation of community based organisations by energy source

- There are currently (2017) 1817 Community Power Organisations in Germany
- Most of these were founded in the last ten years
- Significant downturn in growth since 2013



The Renewable Energy Act 2017 (EEG)

From guaranteed feed-in tariffs to an auction system

Which objectives are German auctions persuing?

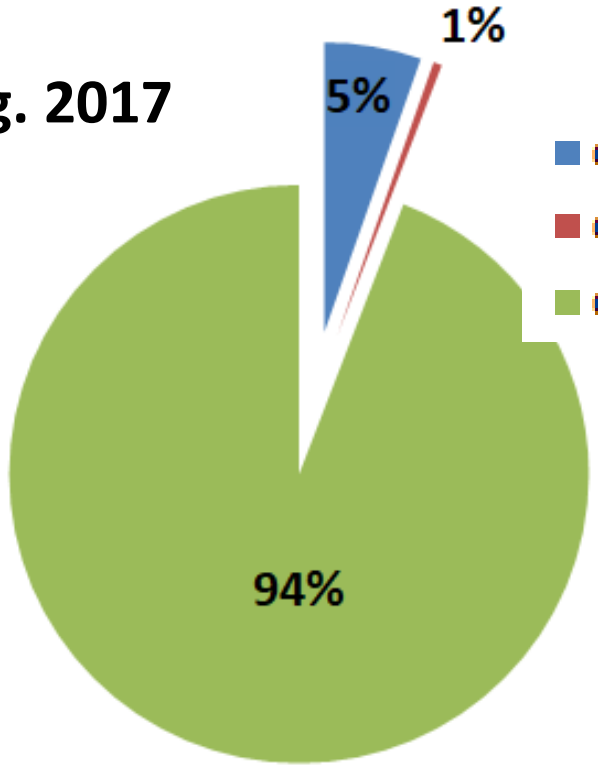
1. Cost efficiency of further expansion of renewables
   - ➢ Should be archieved by: Competitive determination of remuneration level

2. Compliance with national expansion targets
   - ➢ Should be archieved by: No remunaration shall be granted unless successful participation in auctions

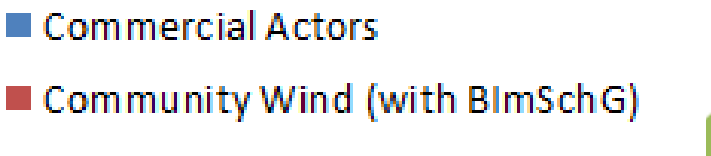
3. Preservation of actors diversity
   - ➢ Should be achieved by: Simple procedure, special rules for community based organisations

Germany`s 2nd and 3rd Onshore Wind Auction

Aug. 2017

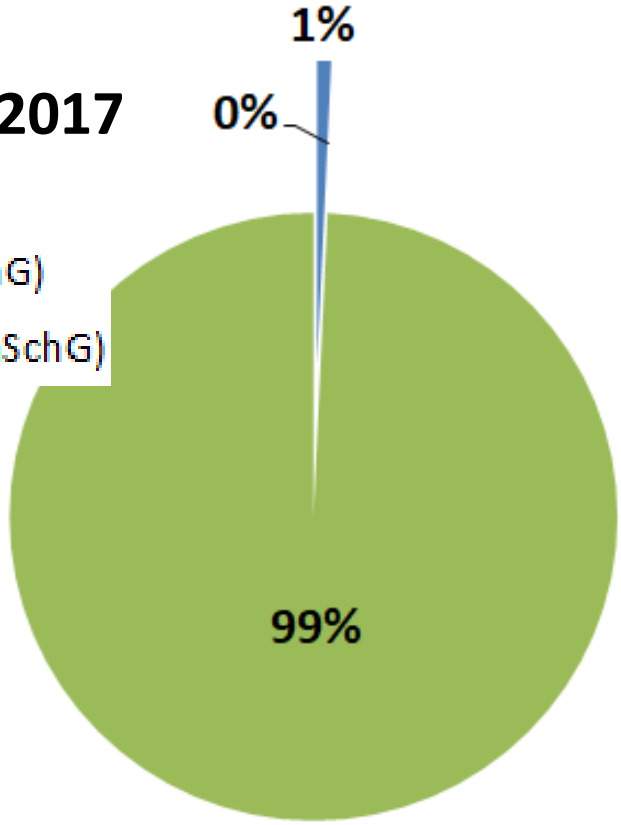


Tendered Quantities: 1.000MW
Highest bid acceptance:
4,29 Ct/kWh



In average almost 70% of submitted bits kept unsuccessful in each of the three rounds

Nov. 2017



Tendered Quantities: 1.000MW
Highest bid acceptance:
3,82 Ct/kWh

Special rules for Community Wind

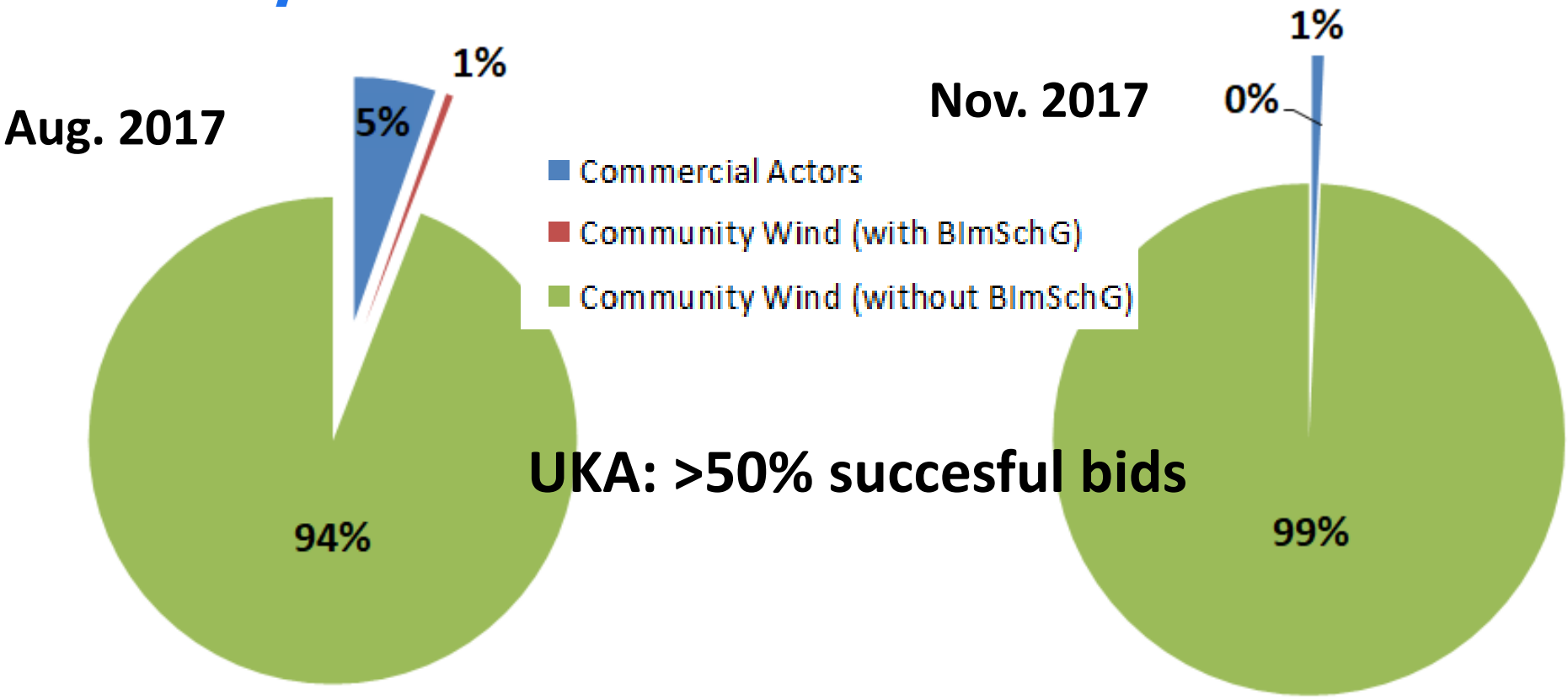
A. **Possibility to participate in the auctioning process without a prior approval under the Federal Emission Control Act (BImSchG approval)**

B. A bid bond of only € 15 per kW due by bid submission (instead of € 30/ kW; other half required only if bid is successful).

C. Community projects are granted the highest awarded bid as the remuneration level (uniform pricing-principle) in contrast to other actors, who receive exactly their bid (if successful).

D. **Community Wind entities have an extended deadline for commissioning by 24 month.**

Germany`s 2nd and 3rd Onshore Wind Auction



UKA: >50% succesful bids

Tendered Quantities: 1.000MW
Highest bid acceptance:
4,29 Ct/kWh

Tendered Quantities: 1.000MW
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Qualification requirements for Community Wind in GER Renewable Energy Sources Act (EEG 2017)

A. A minimum of ten shareholders of the bidding project have to be natural entities
B. Each member's share of voting rights must not be higher than 10% and all natural entities have to have at least 51% of all voting rights.
C. A minimum of 51% of the voting shares has to be held by shareholders who live in the administrative district in which the wind farm will be erected

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Conclusion

What has worked well?

- Community based organisations are still (partly) successful in auctions
- Special condidtions for community power as clear signal for all that community power is politically intended

What has worked not so well?

- Community power under incresing pressure: increase in requirements, constantly changing legal frameworks
- Increase in market concentration („Cannibalisition of the market“): small players withdraw from the market or do not enter the market any more/ few big players remain
- Many of in auctions 2017 successful projects might not getting realized→ failure to meet German expansion targets in RE

Beneficial effects of Community Wind

Very high influence

Acceptance

Added value for the region

Increase in actor diversity

Creation of local identity

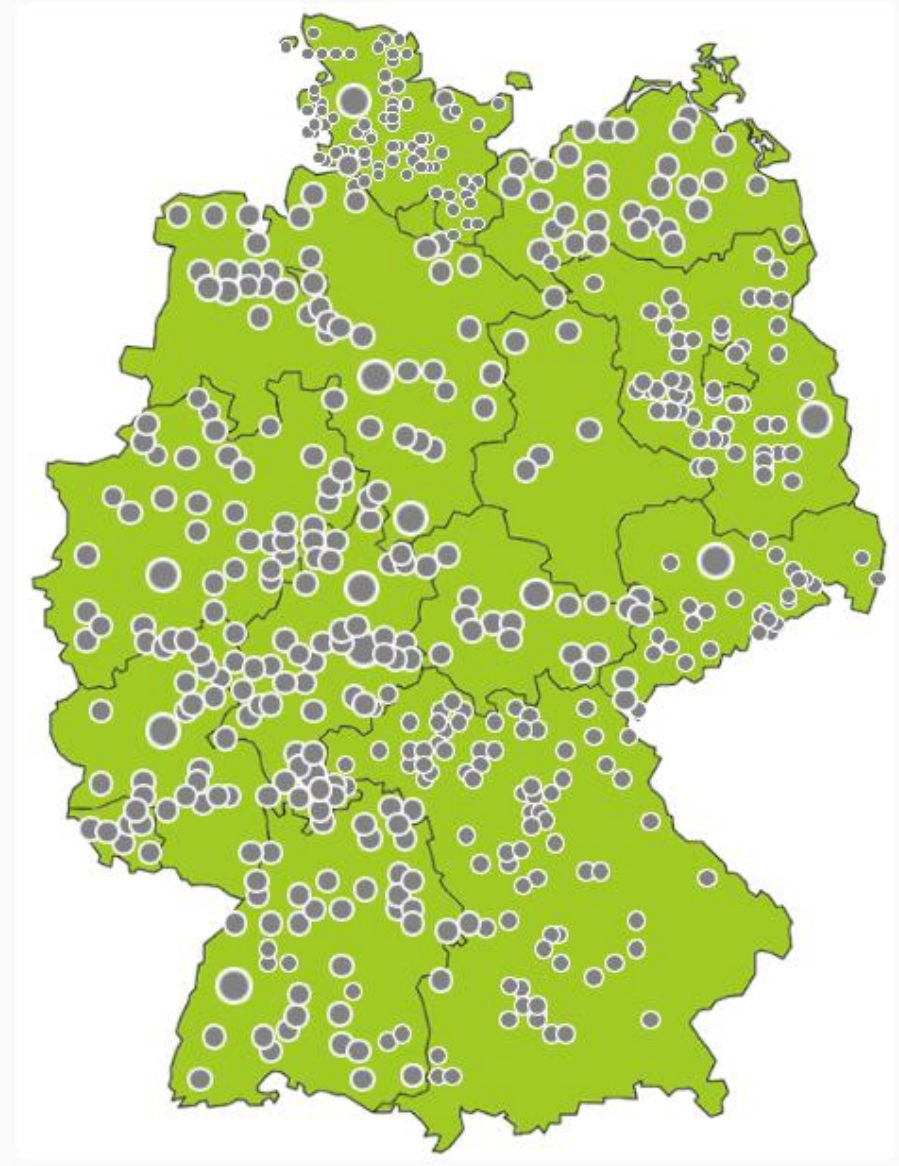
High influence

- Only means to realise specific kind of plants
- Shared decision-making and transparency
- Integration of citizens into sustainable economic processes
- Increase of citizens' involvement

Source: Katharina Grashof (IZES)

Medium influence

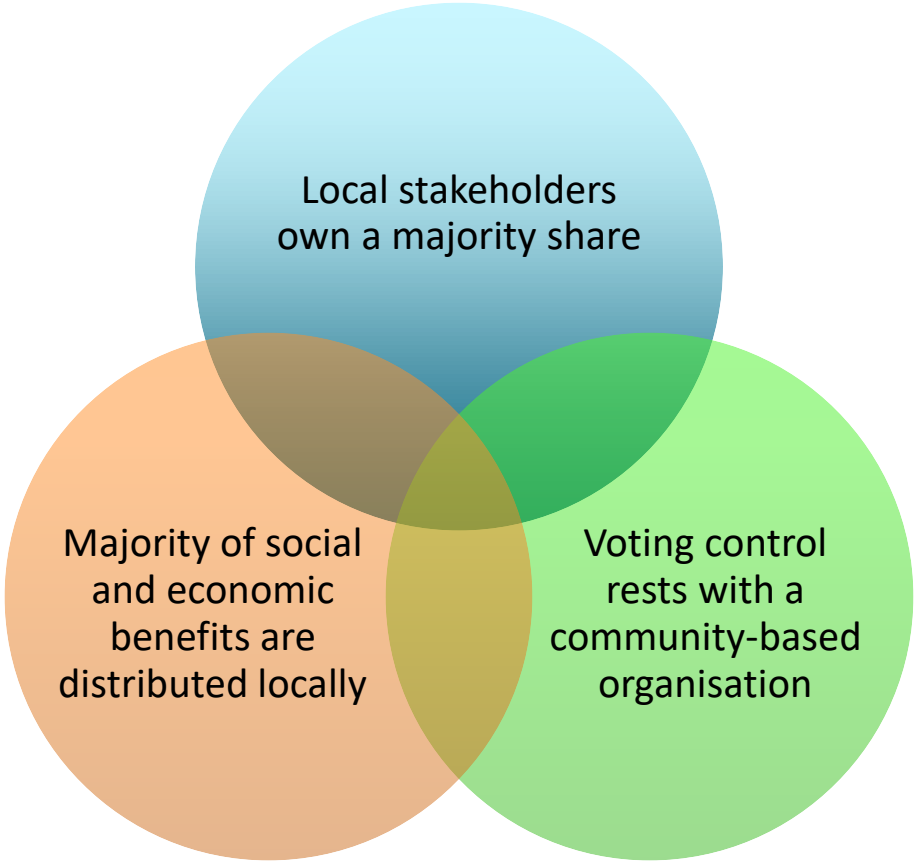
- Job creation
- Establishment of a new economic sector



Source: Vernunftkraft.de

WWEAs definition of Community Power

2 out of 3 criteria must be fulfilled



Save the date:

Community Wind Symposium and Community Power Forum

6 September 2018, Bonn (Germany)

and

2nd World Community Power Conference

6-10 November 2018, Bamako (Mali)

www.wind.community

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