



# CITIZEN ENERGY IN GERMANY



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SummerSchoolEnergy Lüneburg

# GERMAN CITIZEN ENERGY ALLIANCE

**Goal:** A citizen-borne energy supply from 100 per cent renewable energies

## Offers:

1. Platform for engaged people
2. Visionaries of a participatory and decentralised energy transition
3. Voice of citizen energy in Germany

[www.buendnis-buergerenergie.de](http://www.buendnis-buergerenergie.de)



Konzeptpapier Energy Sharing:

Partizipation vor Ort stärken & Flexibilität aktivieren

Berlin, den 07.10.21

Zusammenfassung:

Mit Energy Sharing wird ein neuer Marktrahmen geschaffen, mit dem Mitglieder von Erneuerbare-Energie-Gemeinschaften den gemeinschaftlich erzeugten Strom über das regionale Verteilernetz vergünstigt nutzen können. So kann Energy Sharing einen Beitrag zum schnelleren Ausbau Erneuerbarer Energien leisten, indem es die Partizipation an neuen Solar- und Windparks ermöglicht und damit die Akzeptanz steigert sowie dezentrale Flexibilitätspotentiale aktiviert.



Position papers



Citizen energy map

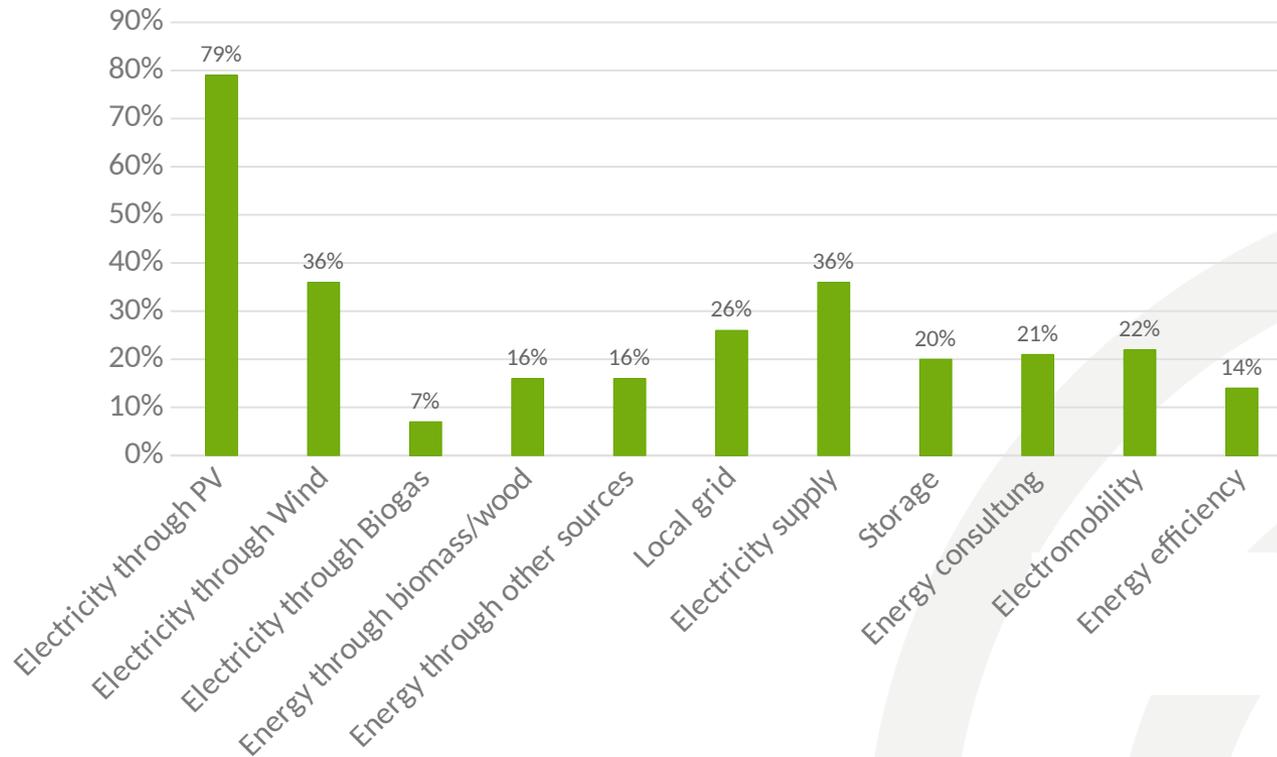
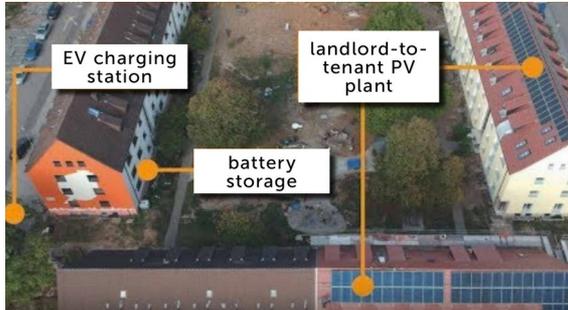


Brochures



Conventions

# ENERGY COMMUNITY BUSINESS MODELS



Source: DGRV

# THE VALUES OF CITIZEN ENERGY



## → Participation

Citizens and coops shape the decentralized energy supply with renewable energies in a self-determined and self-effective manner

## → Democracy

When citizens can decide and contribute to their energy supply and every coop-member has one vote, economy becomes democratized

## → Social entrepreneurship

The economic goals serve societal purposes: ecological responsibility, climate protection and sustainable development of a region

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# THE EFFECTS OF CITIZEN ENERGY



## → Dispersal of responsibility and competences

When citizens have an autonomy of action they become engaged

## → Identification

Citizens interact locally to solve common challenges

## → Investment

Citizens are willing to invest into a fast energy transition

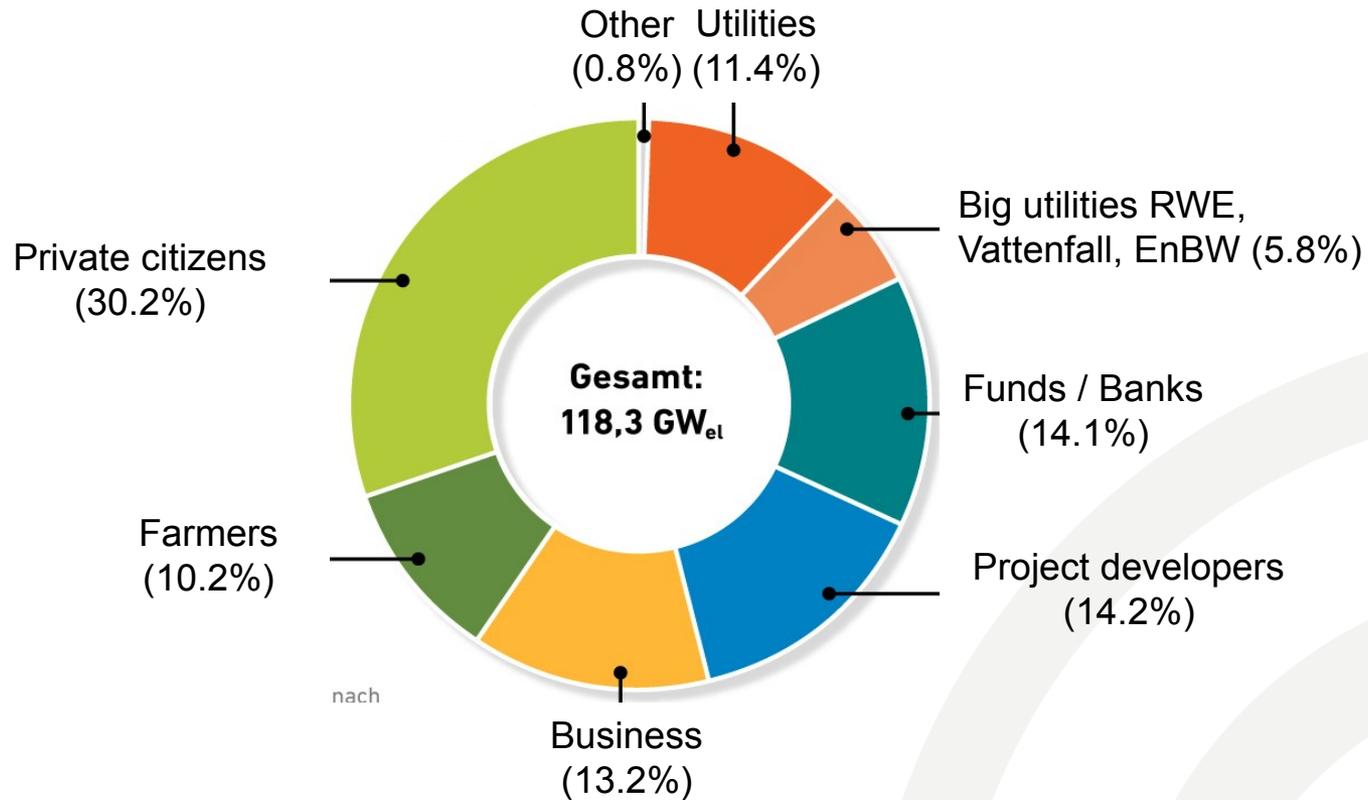
## → Regional value creation

Citizen wind farms: Up to eight times higher than external projects

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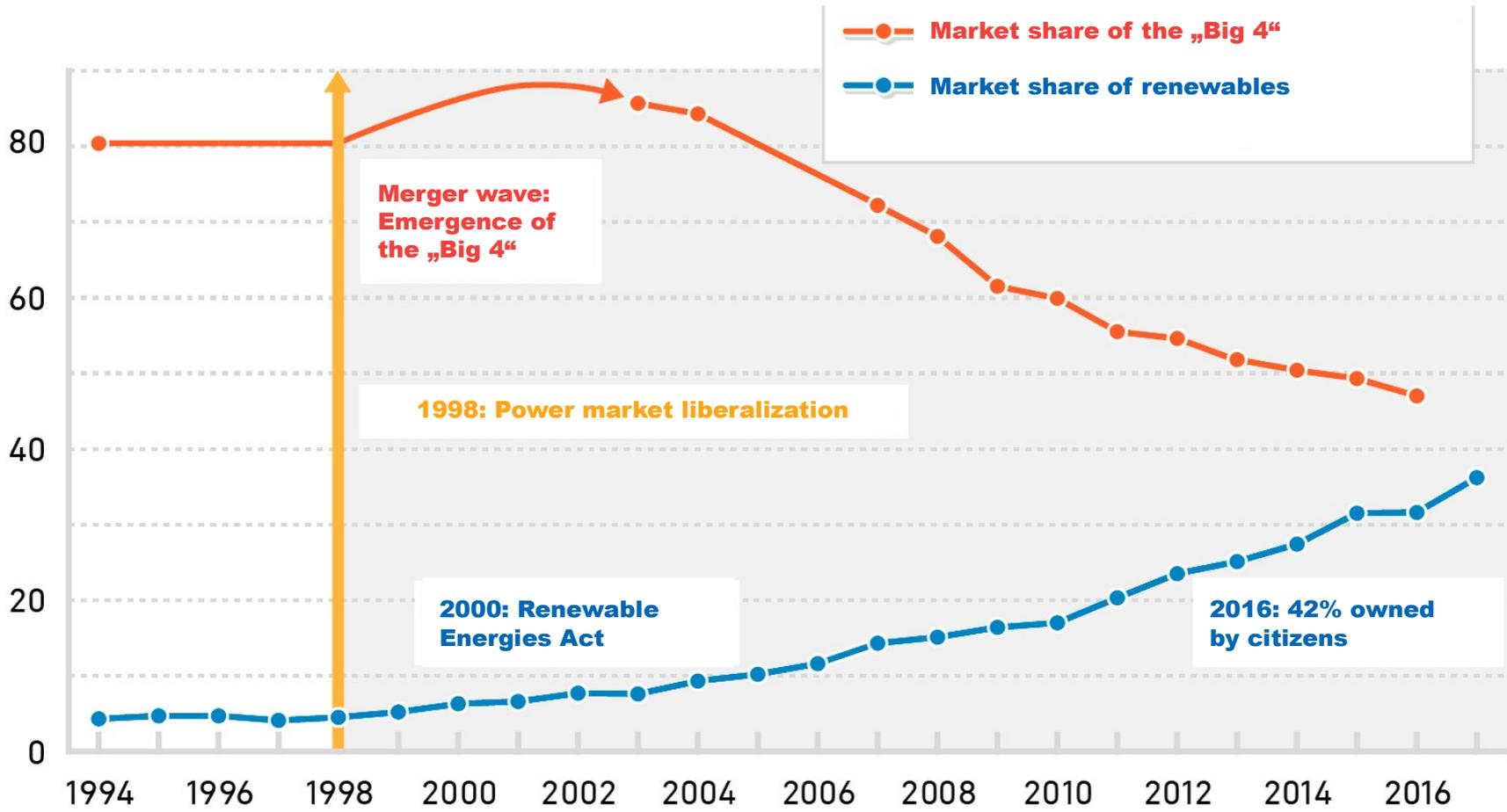
# CITIZEN ENERGY IS MARKET LEADER

## Distribution of the owners of the installed capacity of renewable power in Germany 2019



Source: trend:research

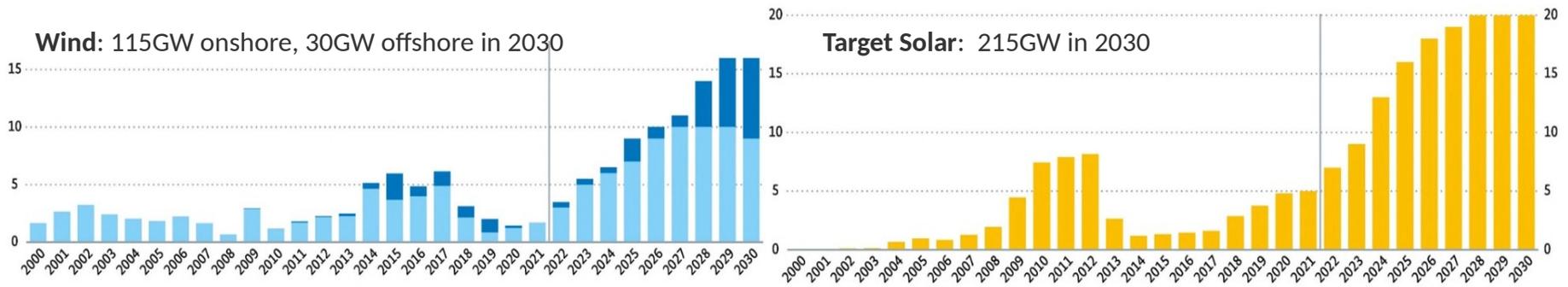
# THE RESULT OF FEED-IN-TARIFFS



Sources: BNetzA, BKartA, AG EE-Stat, Drasdo

# THE CURRENT SITUATION IN GERMANY

## Renewable energy targets in Germany (in GW)



Source: BMWK

## Challenges to reach the renewable energy targets

Increase tender volumes

Increase potential areas and land

Reduce bureaucracy for approval process

Measures to promote acceptance and participation

# CITIZEN ENERGY POLICIES



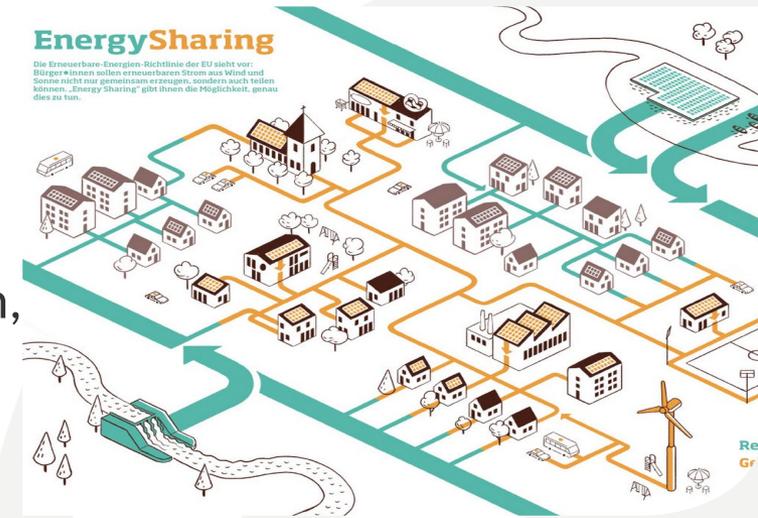
## Definition of Renewable Energy Communities in Renewable Energy Act

- Cooperatives or other legal forms
- At least 50 natural persons; municipalities and SMEs; voting rights
- 50km radius
- RECs are exempt from tendering procedures
- RECs receive risk capital for wind farm planning

## Energy sharing **not yet** implemented

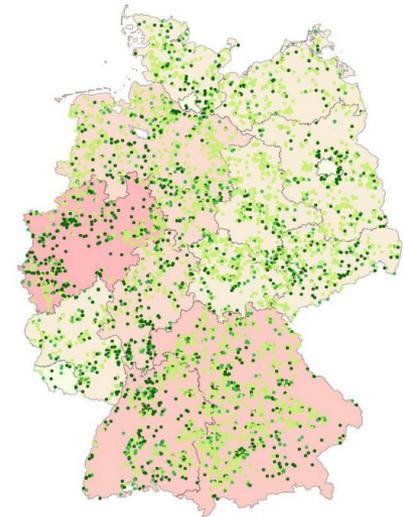


- Energy sharing could be very well linked to this definition
- So far implemented in Austria, Italy, Spain, France, Belgium ...



# POTENTIAL OF ENERGY SHARING

- With supporting legal framework, almost 6,000 RECs could be established in Germany offering energy sharing.
- More than 90 percent of households in Germany could become members of a RECs and use energy from energy sharing.
- By 2030, energy sharing could contribute 35 percent to the renewable energy targets.
- You find the study here: [www.ioew.de/energy-sharing](http://www.ioew.de/energy-sharing)



# THANK YOU!

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