

Financial participation: A boost for RE acceptance!?

*SummerSchool Energy - Financing, participation, and environmental protection in
community renewable energy projects*

Lüneburg, 28/08 – 01/09/23

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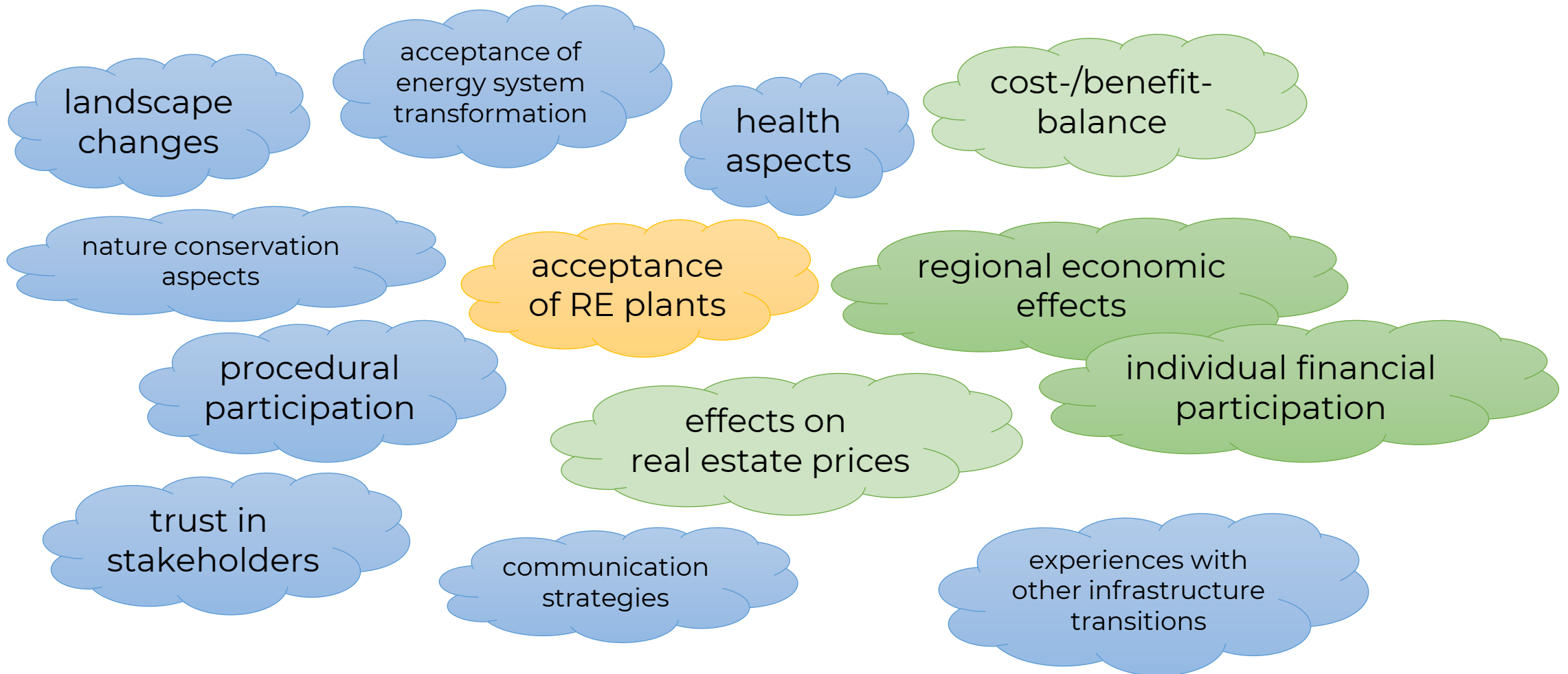


aufgrund eines Beschlusses
des Deutschen Bundestages

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„Can't buy me acceptance“ (*)



*Knauf, J. (2022): Can't buy me acceptance? Financial benefits for wind energy projects in Germany, in: [Energy Policy \(165\)](#)

„Can't buy me acceptance“

Economic aspects' influence on RE acceptance

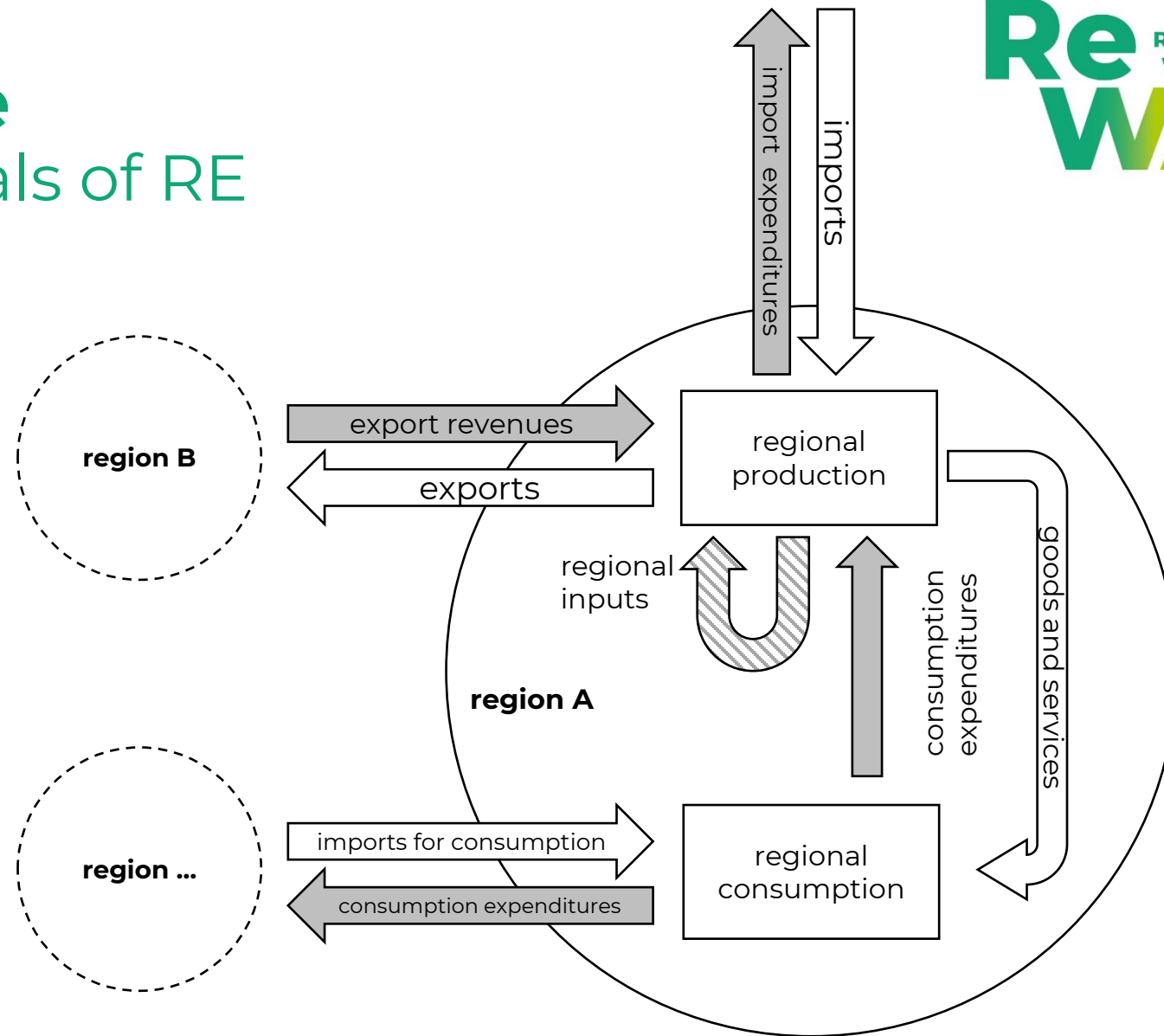
- Several empirical studies demonstrate a **positive correlation** between regional economic effects of RE and/or individual participation instruments on the one side and the acceptance level of the local population on the other side*
- However, the **results vary** depending on:
 - applied acceptance indicator (e.g., "for the energy transition", "for local RE expansion"),
 - regional economic indicators applied (local tax revenues, direct profit sharing, energy cost savings, etc.),
 - range of acceptance factors considered in the empirical impact models,
 - the respective regional framework conditions.

* i.e. Jones and Eiser (2009), Walker et al. (2014), Hübner et al. (2020), Knauf, J. (2022), Breitschopf et al. (2022)

Slicing the cake

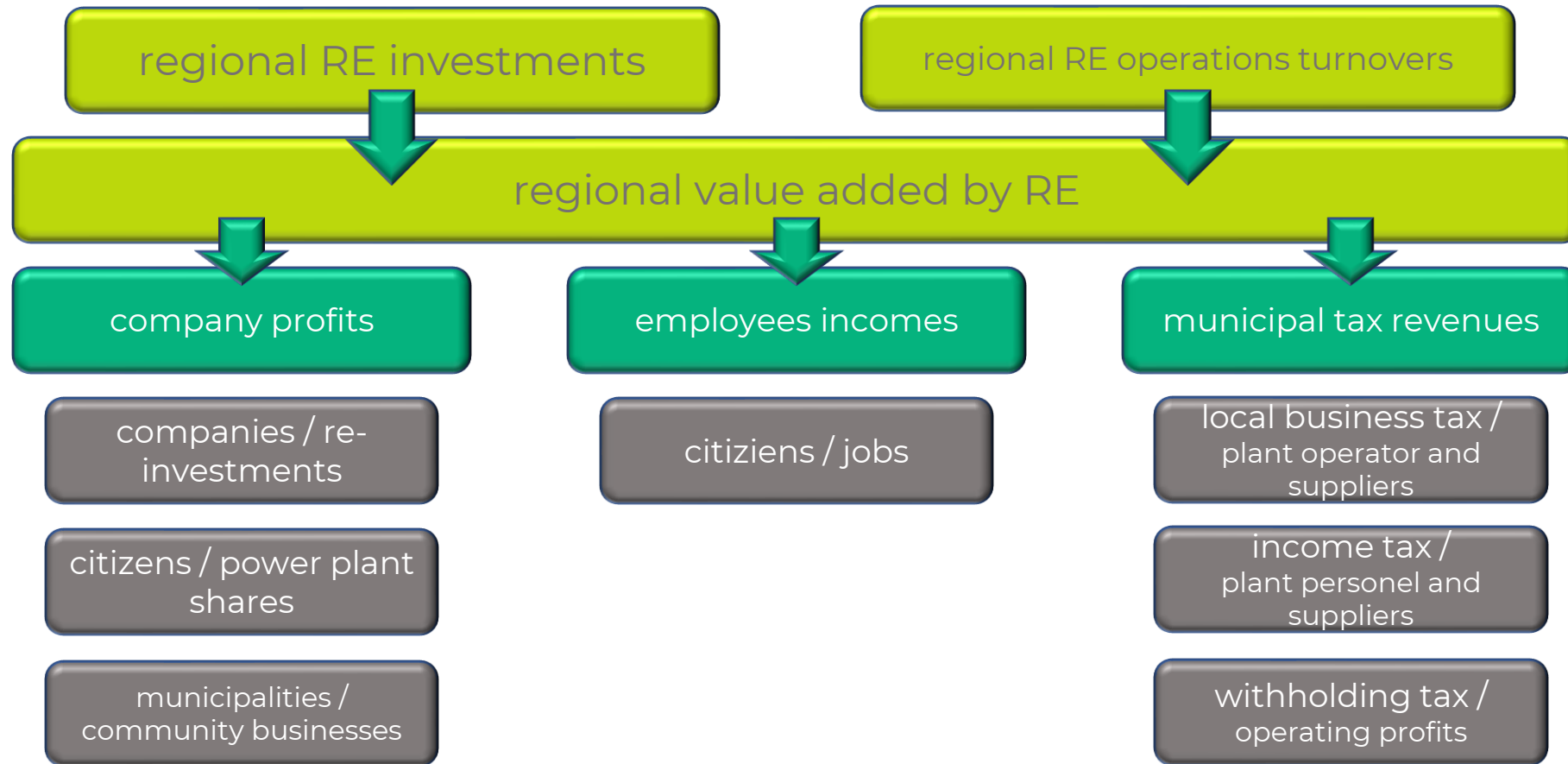
Economic potentials of RE

- Reducing imports through local production of energy
- Creation and strengthening of local value chains
- Mostly rural areas with RE potentials
 - Opportunities to encounter structural changes
 - (re-) activating democratic participation

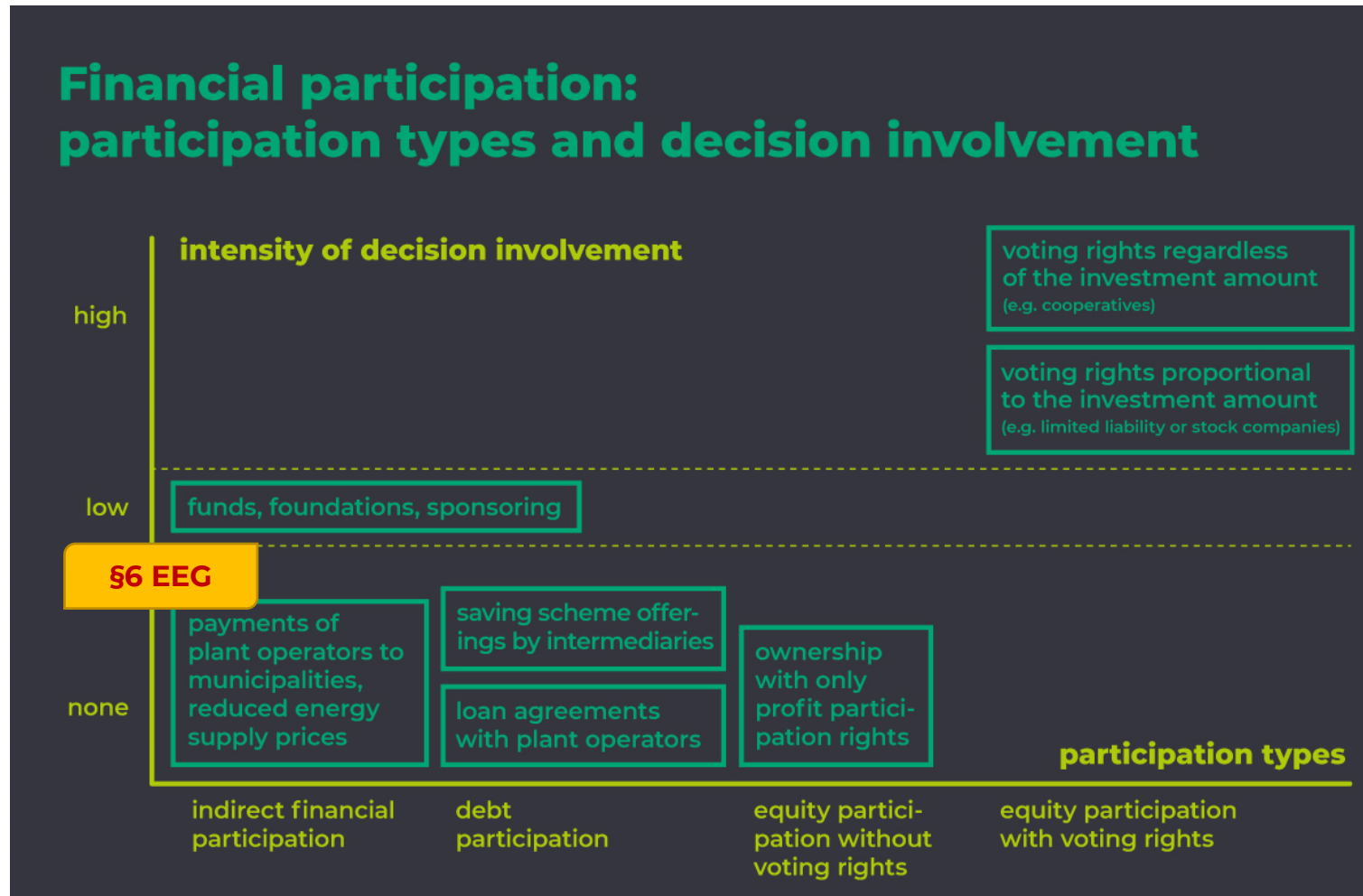


Slicing the cake:

Regional value added by RE



Slicing the cake: Options for financial participation



- §6 EEG 2021:
 - Payments to municipalities without any planning or operating involvements
- Renewable Energy Communities (RECs, Eu-Directive 2018/2011):
 - Shared ownership of RE plant(s)
 - Energy delivery and consumption within RECs
 - Energy trades with external stakeholders

Implementation challenges

Real world experiences

- Low impact accuracy of single participation instruments - citizens may be:
 - uninterested in or unaware of climate protection measures and RE projects,
 - uninterested in or unaware of active involvement options,
 - short of investment capital (i.e. low income households),
 - passively or actively against RE projects at all and/or in their region.
- Financial participation options therefore should be
 - combined to meet different stakeholders interests,
 - aware of former experiences with infrastructure projects and/or participation instruments,
 - integrated in a superordinate acceptance strategy considering other relevant influencing factors and a transparent and respectful communication.

Literature

- ❖ **Breitschopf**, Barbara, Julia Keil, Fabian Keller, and Uta Burghard (2022): Does Financial Participation Promote the Acceptance of the Energy Transition? [Preprint](#).
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- ❖ **Hübner**, G., J. Pohl, A. Wigand, J. Warode, B. Gotchev, P. Nanz, D. Ohlhorst, M. Krug, S. Salecki, A. Aretz, W. Peters (2020): Akzeptanzfördernde Faktoren Erneuerbarer Energien, [BfN-Skript 551](#)
- ❖ **Jones**, Christopher R. and J. Richard Eiser (2009): Identifying predictors of attitudes towards local onshore wind development with reference to an English case study. In: [Energy Policy 37, Nr. 11](#): 4604–4614.
- ❖ **Knauf**, J. (2022): Can't buy me acceptance? Financial benefits for wind energy projects in Germany, in: [Energy Policy \(165\)](#)
- ❖ **Musall**, Fabian David, and Onno Kuik (2011): „Local Acceptance of Renewable Energy—A Case Study from Southeast Germany“, in: [Energy Policy 39, Nr. 6](#): 3252–60.
- ❖ **Salecki**, Steven (2017): Wertschöpfung vor Ort - Quantifizierung ökonomischer Faktoren der regionalen Nutzung erneuerbarer Energien. 1. Aufl. Berlin (Dissertation at University of Kassel): Mensch und Buch Verlag.
- ❖ **Walker**, Benjamin J.A., Bouke Wiersma, and Etienne Bailey. (2014): „Community benefits, framing and the social acceptance of offshore wind farms: An experimental study in England“, in: [Energy Research & Social Science 2014, Nr. 3](#): 46–54.

Thank you!



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The ReWA project website (AEE): <https://www.unendlich-viel-energie.de/projekte/rewa>

Ein Projekt von:



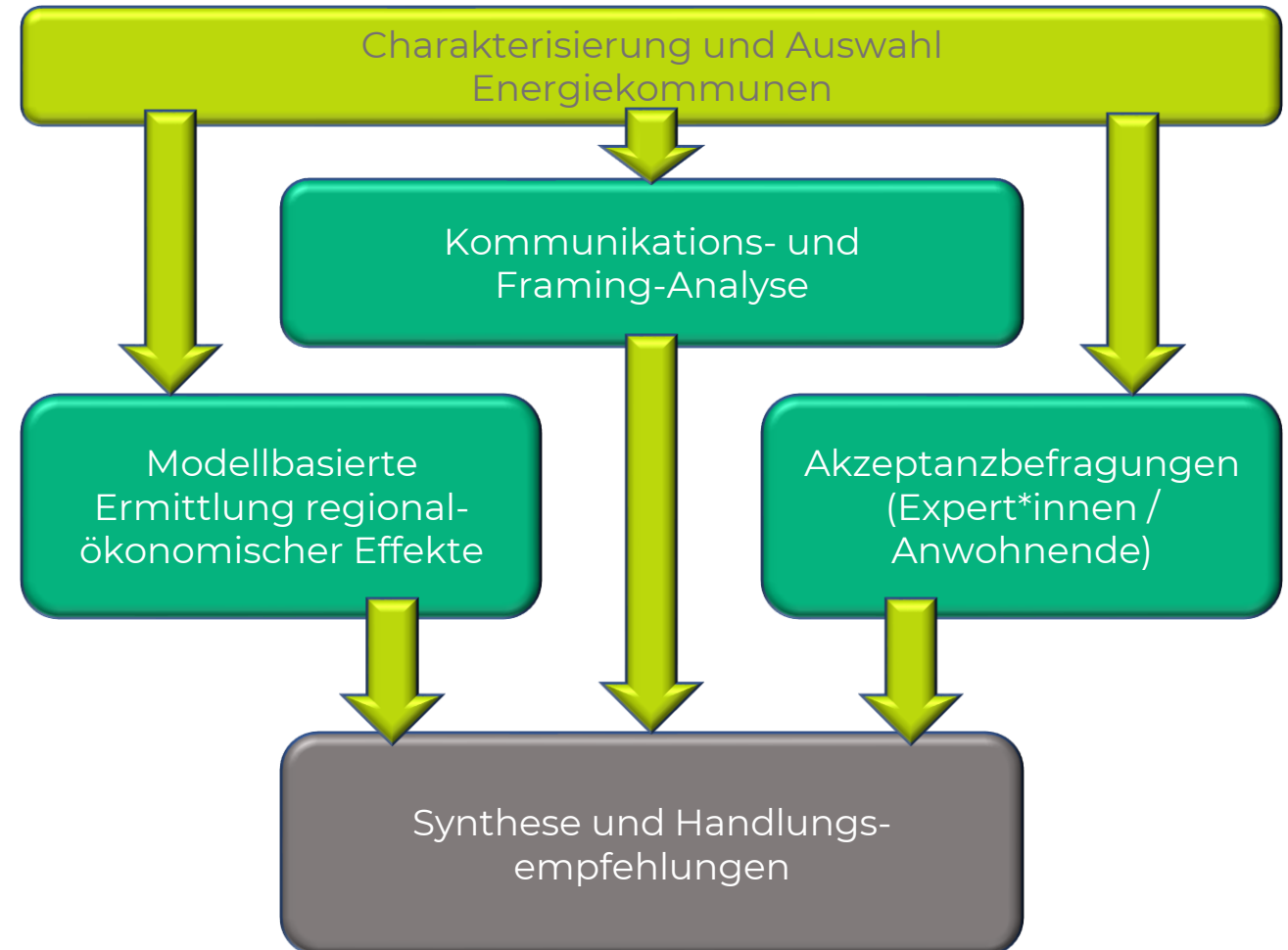
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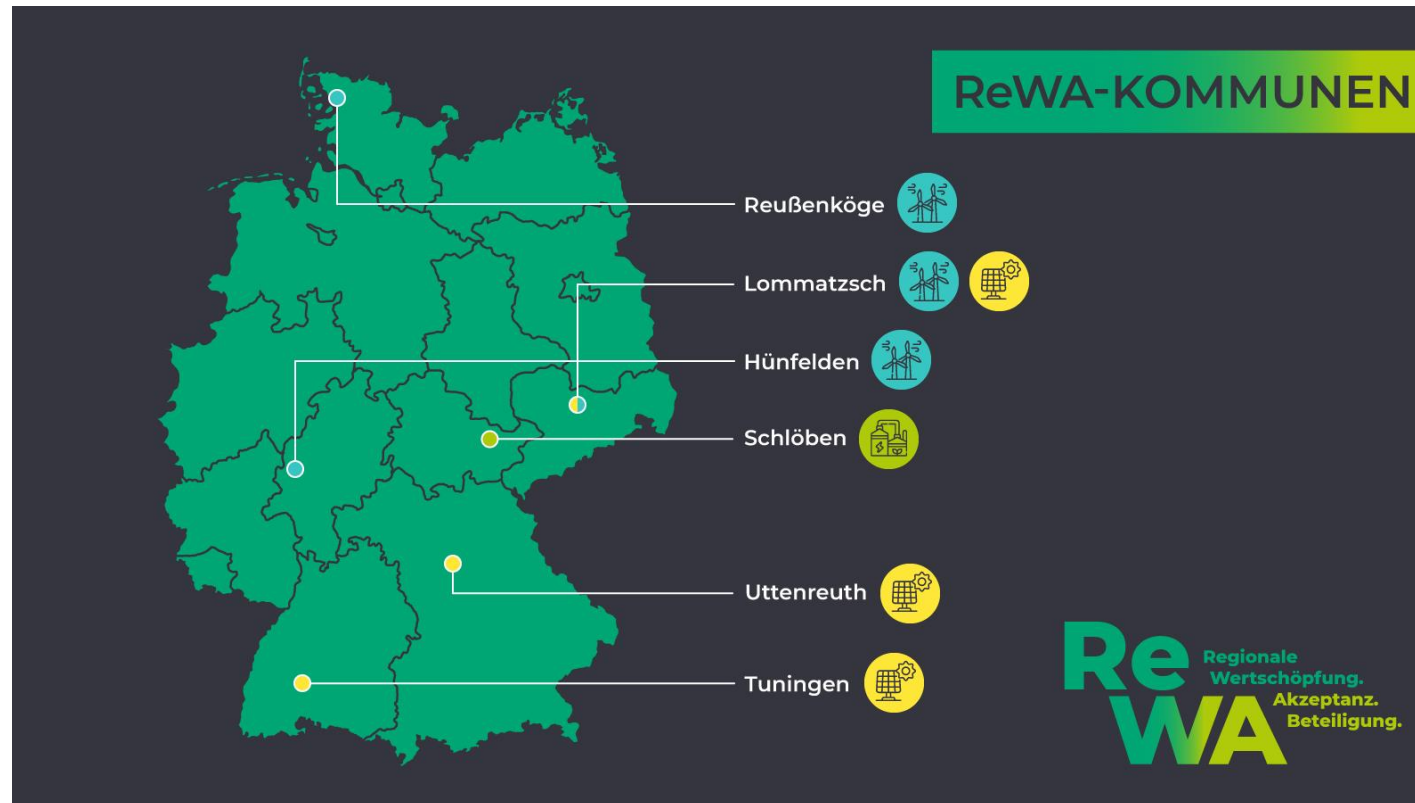
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3. Vorstellung des Projekts ReWA

- **Fördermittelgeber**
 - **BMWK**, Bundesministerium für Wirtschaft und Klimaschutz
- **Laufzeit**
 - 06/2020 bis 03/2023
- **Partner**
 - **IZES**, Institut für ZukunftsEnergie- und Stoffstromsysteme gGmbH (Projektkoordination)
 - **AEE**, Agentur für Erneuerbare Energien (AEE) e.V.
 - **IÖW**, Institut für ökologische Wirtschaftsforschung GmbH (gemeinnützig)
- **Webseite:**
<https://unendlich-viel-energie.de/projekte/rewa>



Unsere ReWA-Kommunen



Forschungsfrage:

Bestehen *Wechselwirkungen* zwischen den *regionalwirtschaftlichen Effekten* und Möglichkeiten der *finanziellen Beteiligung* sowie der *lokalen Akzeptanz* von Erneuerbare-Energien-Projekten – und in welchem Umfang?