

## Collective financing of renewable energy

### Overview

#### Collective financing of renewable energy projects in Switzerland and Germany: comparative analysis and implications for energy transition policies

##### Context

Collective financing of renewable energies (RE) plays a potentially important role for a successful energy transition.

[Def. Collective financing: organisations owned & governed by citizens]

In GER, 21% of installed capacity of RE in 2012 is financed collectively and 26% by citizens individually.

GER: > 900 RE cooperatives since 2006

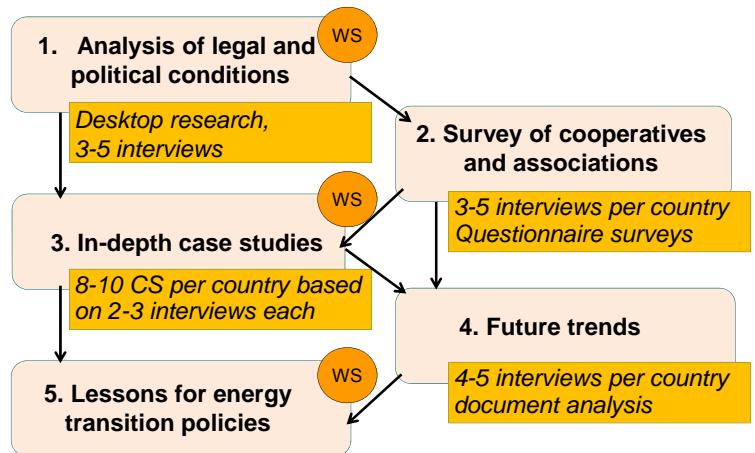
CHE: ≈ 80 RE cooperatives since 2006

➤ Little knowledge on collective financing in CHE, and on business dimensions of collective financing in CHE / GER

##### Research questions

- How do cooperatives and associations for collective financing of RE come into being?
- What are their financing strategies and business models, and how do they develop over time?
- Who are the involved actors, what are their relationships and collaborations?
- How does collective financing impact on RE sources and locations?
- What are success factors and barriers of collective financing?
- What are future trends of RE (collective) financing?

##### Research Design and Modules



##### Research cooperation CHE – GER

- Comparative institutional analysis
- Coordination of questionnaire surveys
- 8-10 in depth case studies with similar questions (each country)
- Parallel expert interviews
- Joint Workshops
- Joint analysis and deduction of results and recommendations

### Partners and Collaboration

##### Academia

- WSL/eawag-Program Energy Change Impacts
- Institut f. Bank-, Finanz- & Rechnungswesen at Leuphana Univ.
- Research project EnGeno at University of Oldenburg
- Akademie für Raum- und Landesforschung (ARL)
- SCCER – Swiss Competence Centers for Energy Research

##### Practitioners

- Aee Agentur für Erneuerbare Energien und Energieeffizienz
- Swissolar
- Climate Alliance
- Further collaborations are being established, e.g. Novatlantis, VESE...

### Energy Turnaround

##### Contribution to the challenges of the energy turnaround

- Identification of ways to attract capital
- Strengthening acceptance and local participation
- Fostering decentralised energy production
- Generation of income for local economies
- Enabling and supporting socio-economic & institutional innovations

##### Contribution to NFP 71

- Clarification of the current and (potential) future role of collective financing in the energy turnaround
- Identification of supporting and limiting context factors with respect to an efficient energy production based on collective financing

### Contact

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