



Research on Community Energy Projects in the Baltic Sea Region

Work Package 2

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(supported by Kiel & Aalto University)

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Work Package 2 – Scientific SupportOverview

- GoA 2.1 Review of the scientific literature
- GoA 2.2 Database of CE cases in the BSR
- GoA 2.3 Case study research and policy recommendations
- GoA 2.4 Accompanying research





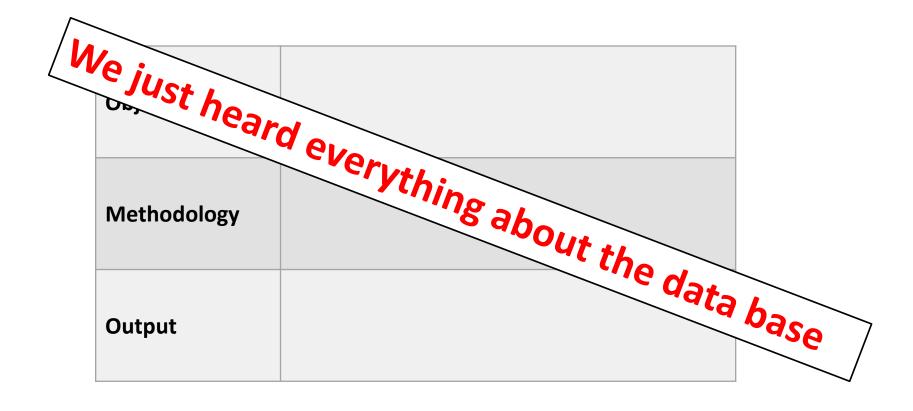
GoA 2.1 Understanding Community Energy: Drivers, Barriers, Benefits

Objective	
Methodology	
Output	





Work Package 2 – Scientific Support GoA 2.2 More than a Common Backup







GoA 2.3 Taking Stock in the Baltic Sea Region: Different Conditions in a Shared Region

Objective	
Methodology	
Output	_





GoA 2.4 Accompanying research - The Way Forward & Lessons Learned for the Future

Objective	
Methodology	
Output	





Work Package 2 – Scientific Support Scientific Outputs

Output	Format	Status
Review of scientific literature: policy angle	Scientific article	Under review
Review of scientific literature: justice focus	Scientific article	Ongoing work
Context and Agency in Urban Community Energy Initiatives	Scientific article	Under review
Community energy on the east side of the Baltic Sea Region: standstill and first steps.	Book chapter	Under review
Intermediaries during the COVID pandemic	Scientific article	Under review
Intermediaries in energy transitions	Scientific article	Ongoing work
Possibly more	???	Ideas





Work Package 2 – Scientific Support Intermezzo

Lars, the cyberspace is yours!





Work Package 2 – Scientific Support Main Findings I

Benefits of CE:

- Local economic gains (jobs, taxes, local sourcing)
- Environmental benefits (emissions, behaviour change)
- Improved social cohesion and strengthened democracy
- Increased acceptance for RE





Work Package 2 – Scientific Support Main Findings II

Drivers:

- National RE targets
- National, regional and local visions
- Feed-in tariffs & subsidies
- Learning through peers and intermediaries
- Coordination of CE policies (different institutions)





Work Package 2 – Scientific Support Main Findings III

Barriers:

- Lack of funding
- Role of incumbents
- Changing legal frameworks (feed-in tariffs)
- Lack of standardisation & coordination





Work Package 2 – Scientific Support Main Findings IV

Status of Community Energy in the Baltic Sea Region:

- Big differences between EU member states
 - Spearheading: DK, GER
 - Intermediate: SWE
 - First modest steps: LT, EE
 - Lagging: PL, LV
- Historical factors, resources, current policies
- Soviet heritage an important social barrier





Work Package 2 – Scientific Support Main Findings V

Four complementary strategies for local actors:

- Building of trust
- Appealing to local identity
- Networking to gain critical resources
- Promotion of demonstration projects





Work Package 2 – Scientific Support Main Findings VI

Policy recommendations:

- Policy frameworks need to be adapted to the needs of community energy (market & grid access, building regulations, tax systems, metering regulation)
- Informal institutions matter -> cultural change should be encouraged
- Coherent visions are needed
- Learning for best practice cases should be encouraged





Bonus slide: Main Findings VII

Managing RENCOPs during **COVID-19**:

- Main strategy: Digitalisation
- Digitalisation has benefits and burdens:
 - Often efficient
 - Trust-building difficult
 - Creativity hampered
- Consequences:
 - Existing RENCOPs can continue
 - Fewer new ones
 - Will only be visible in some months or years





Q&A – All you ever wanted to know about CE research

Thank you for your attention!

Please ask questions!





Contact

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