



**ZEROCO2**

Interreg Europe



European Union  
European Regional  
Development Fund

# ZEROCO2 best practice from the partnership

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# Outline

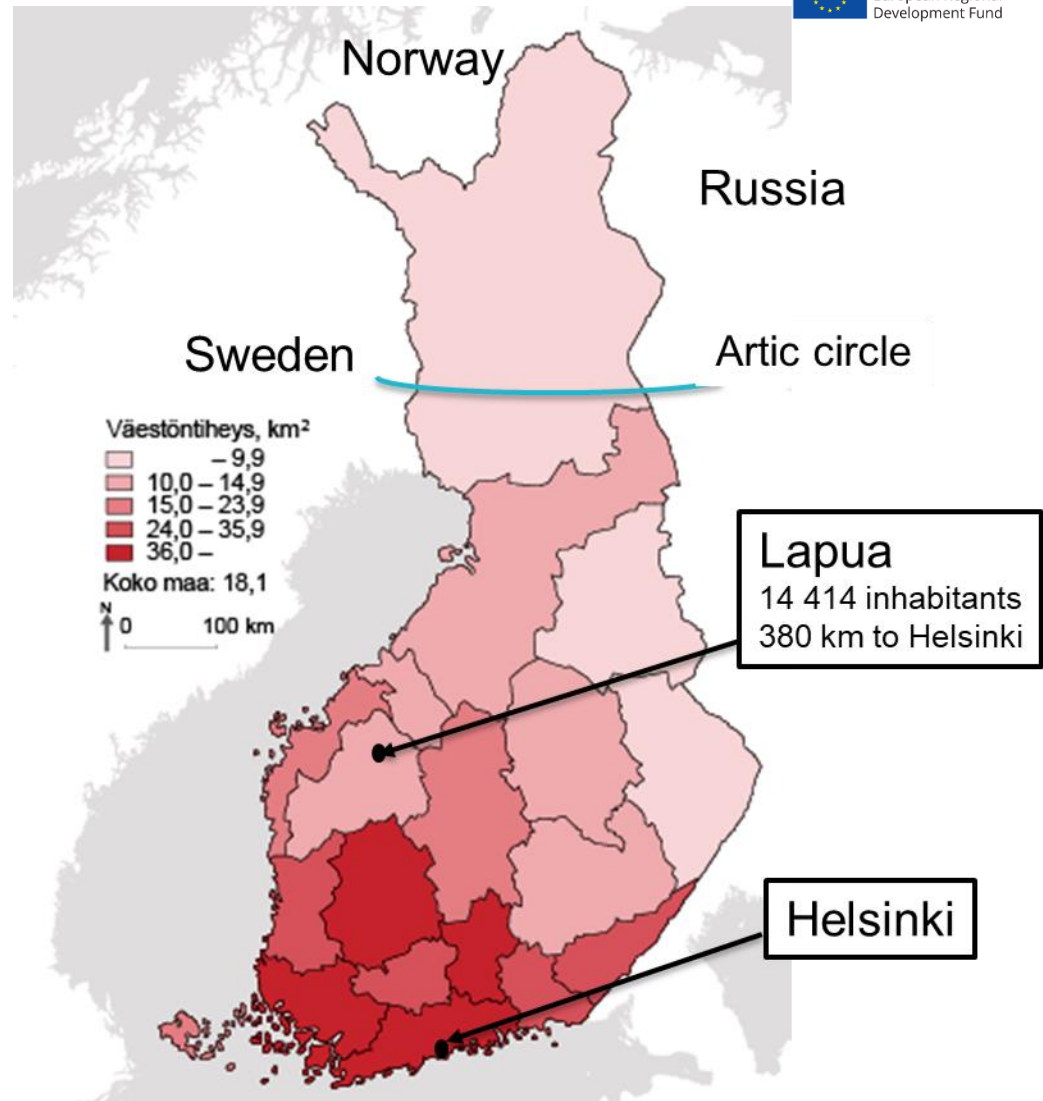
- 1. Our location and company**
- 2. Our goals for ZEROCO2 project**
- 3. Some of the results we are proud of and how we achieved them**
- 4. Challenges**

## Thermopolis Ltd – Energy Agency of South Ostrobothnia

- Founded in 2003, became a company in 2006
- 13 Owners (municipalities, municipality owned energy companies, companies)
- Non-profit
- Number of personnel 7
- Number of projects 5 + 1
- Impartial free energy advise for consumers, municipalities and SMEs financed by the Energy Authority of Finland
- Occasional consultancies

Key words:

Sustainable development, renewable energy, energy efficiency, climate change



# What we planned to do



**Define** Near Zero CO2 Emission Building (NZCO2EB) due to energy use and show its benefits



**Impact and improve** the Regional Strategy of South Ostrobothnia



**Support** regional **co-operation** to improve the implementation of the Regional strategy



**Promote new projects** which are targeted at developing innovative energy solutions in buildings



**Close cooperation** with the monitoring teams of the Regional Council of South Ostrobothnia.



**Create a guide** for best practices will be collected with a goal of including it as a tool for the Regional Strategy programme

# Defining NZCO2EB, Impacting and improving the Regional Strategy

*“Development of energy efficiency buildings is an important factor as part of achieving an energy self-sufficient region. About 40 % of energy within the region is consumed by buildings. South Ostrobothnia has the possibility to be the forerunner in terms of promoting a zero CO2 emission building. **A zero CO2 emission building using hybrid renewable energy systems.**”*

Free-form translation from the Regional Programme of South Ostrobothnia (2018-2021) on page 57.

The Regional Strategy = Regional Programme + Regional Development plan (2040).

retrieved from [https://www.epliiitto.fi/images/A58\\_Etel%C3%A4-](https://www.epliiitto.fi/images/A58_Etel%C3%A4-)

[Pohjanmaan maakuntaohjelma 2018-2021 web.pdf](#)

## Keys to success – Co-operation and work groups, simple policy recommendations

- Work groups called together by the Regional Council to provide input for updating the Regional Programme (2018-2021)
- Stakeholder group meetings with active members
- One-on-one conversations
- Email feed-back to written drafts of Regional Programme
- Short and do-able Policy recommendations handed to the Mayor Of the Region at the end of phase 1



# Other points of success



Mr. Jyrki Kauppinen, from the Ministry of Environment where he is responsible for writing the national building code especially as it relates to renovations of existing buildings, participated as a speaker at our first local stakeholder event and later as a listener at our stakeholder seminar

Mrs. Anneli Jätteenmäki, MEP, and past prime minister of Finland, at our partner meeting and Policy recommendation hand over -event in Lapua



Sustainable municipalities – a good practice identified in project and presented at two Interreg Europe events. Municipalities with limited resources work together towards energy savings and Climate mitigation



# What where and are the challenges



## Policy

Near zero energy buildings or near zero CO2 emission buildings

Building related issues are a national policy issue

- The role of regional policy



## Financial

No financial aid for residential buildings available in Finland

Finding motivation to invest in near Zero CO2 emission buildings



## Technical

Energy storage

Getting hybrid systems to work well

- Automation
- Settings
- Non-professional users





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Thank you.

