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Sharing the latest energy efficiency solutions!

Increasing awareness of energy efficiency opportunities and renewable solutions in housing sector & public infrastructure

Welcome to the GREENER project newsletter. Sustainable energy provision has become a fundamental priority in the agenda of NPA regions. The impact that climate change has on the reliability and performance of energy systems, joined with factors like peripherality, low population density, sparse settlements, migration, extreme climates, distances, accessibility, and over reliance on fossil fuels, has resulted in comparatively higher energy costs for domestic, business and public consumers with a consequential adverse impact on economic competitiveness.

The **GREENER project** addresses these challenges by clustering 3 NPA projects' (**SMARCTIC**, **LECo** and **h-CHP**), using their collective capacity and complementarity to increase awareness, gain critical mass, and transfer knowledge about the latest to public authorities, communities, and businesses across the NPA energy solutions.

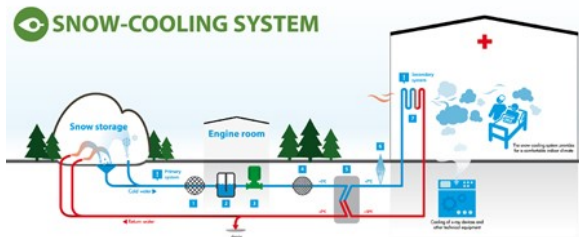


Real world experiences in energy efficient and renewable solutions implemented across the NPA regions

Examples of the good energy practices gathered by the GREENER partners were presented by speakers representing SMARCTIC, LECo and h-CHP at a successful seminar held on 9th December 2021.

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Check out the Good Energy Practices map!



GREENER partners have collated an inventory of good energy practices identified within the individual NPA projects, including excellent examples of wind, solar, snow, ocean and geothermal energy systems.

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GREENER's goals

- Directory of innovative energy solutions combine and share the best practices and solutions from the 5 projects
- Increase outreach disseminate the solutions across a wider geographic area
- Build a strong lasting network Create a network of key beneficiaries to continue to cooperate in the future

Project details:

- 1 cluster formed by 5 projects and 20 associate partners
- 3 lead partners representing 19 partners from 13 regions
- 1 common approach to sharing good practices and successful pilot implementations
- 1 year project (September 2021 – August 2022)
- €153,000 budget and the potential for future collaborations

Logos for Northern Periphery and Arctic Programme and EUROPEAN UNION are visible at the bottom.

GREENER and HEATER NPA Cluster projects showcased a joint launch event
 GREENER cluster project partnered with the HEATER project team to organise a joint launch conference to collaborate and increase the reach of both team's networks. The conference was held on 4th October 2021 and was well attended with excellent participation from the partners and stakeholders.

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How to store heat? In a BTES!

- 61 boreholes, 45m deep, 22m diameter = 17 000m³ soil is heated
- 50% of the energy is lost to the surrounding soil

Diagram labels include: 200mm XPS insulation, Grouted sand, Extruded polystyrene, U-Tube, Water heat transfer fluid, Borehole, Grout tube, Pipe spacer.

Seasonal borehole thermal energy storage
 Watch the video about one of the good energy practices shared by GREENER project partner Centria University of Applied Sciences.

[play](#)

GREENER
 CLUSTERING REMOTE REGIONS FOR ENERGY RESILIENCE AND GROWTH

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Don't miss the GREENER project brochure!
 Finnish version of the brochure also available in the GREENER website!

[read more](#)

For further information, please visit GREENER website by clicking the button below:

[Website](#)

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**Northern Periphery and
Arctic Programme**
2014-2020



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