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LOCAL HEATING & COOLING NETWORKS

The path towards a decarbonised and independent heating and cooling supply for your community - Towards a fossil-free heating future in 2040.

WHAT'S THE VALUE OF A LOCAL HEATING-COOLING NETWORK FOR MY COMMUNITY?

Reduction of CO₂ emissions

Reduction of energy costs

Energy security

Supporting regional economies

WHAT INFORMATION DO I NEED FOR THE DEVELOPMENT OF A HEATING-COOLING NETWORK?

Checklist for data collection:

- Locally available heat sources (e.g. geothermal, groundwater, industrial or commercial waste heat, solar thermal)
- Community or city plans
- Energy sources for heating and cooling

What is also relevant:

- Identification and involvement of all relevant stakeholders
- Analysis of local climate related policies e.g. energy and climate strategies
- Governance structures: Identification and consideration of responsibilities and decision-making processes

THAT SOUNDS PERFECT! WHAT'S NEXT?

Set-up an initial consultation appointment with the NEFI team!

Step 1: Collection of existing data and assesment of general conditions, e.g. during an on-site inspection

Step 2: Concept creation for a heating-cooling network based on the specific circumstances of your community

Step 3: Techno-economic evaluation (technical options, construction and running costs, economic comparison of alternatives)



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