



ESCALATE aims to speed up Europe's shift to **clean renewable energy** by helping cities across the EU plan for more **energy efficient heating and cooling**.

The project focuses on towns with over **45,000 people**, ensuring they have the tools and knowledge to create local **heating and cooling plans** that reduce energy use and support the environment.

ESCALATE empowers local communities to make their buildings sustainable, reduce pollution, and help Europe become **climate-neutral by 2050** by providing expert training and a clear easy to follow guide on heating and cooling planning.



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REVOLVE



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ESCALATE

H&C Process, Training and Tools

Accelerating Europe's Clean Energy Future



PROCESS & DATA MANAGEMENT IN H&C PLANNING

- › Overview / steps in the planning
- › Process management and integration of stakeholders
- › Division of work between authorities, agencies and others
- › Data collection, compilation and visualisation
- › Specific principles for H&C plans to comply with the EED



TECHNICAL - INVENTORY ANALYSIS

(citiwatts, SAPHEA)

- › Building structure and related heat demand
- › Energy infrastructure and heat supply
- › Energy and climate balance
- › Cooling needs and related energy demand (CoolLIFE)



TECHNICAL - POTENTIAL ANALYSIS

(citiwatts, SAPHEA)

- › Energy efficiency potentials in buildings
- › Local renewable energy sources
- › Excess heat
- › District Heating (DH) priority areas
- › Potential for savings in cooling demand (CoolLIFE)



TECHNICAL - TARGET SCENARIOS

(citiwatts, SAPHEA)

- › Feasible heat supply solutions
- › Heat demand scenarios
- › Cold supply options and scenarios (CoolLIFE)
- › Setting up target scenarios for entire cities



IMPLEMENTATION STRATEGY WITH MEASURES

(EU-27 Country Mapping of Financing Schemes to decarbonise Buildings, Heating and Cooling)

- › Measures and prioritisation
- › Strengthening of energy communities & other consumer-led initiatives
- › Continuation strategy

OPEN-SOURCE TOOLS AND DATABASES



citiwatts



SAPHEA
INTEGRATING GEOTHERMAL HEATING
AND COOLING NETWORKS IN EUROPE



Cool LIFE



EU-27 Country Mapping of
Financing Schemes to decarbonise
Buildings, Heating and Cooling



Visit escalate-project.eu
to learn more!