

Implementation and Ecosystem development for a timely decarbonisation pathway

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Mission

WP 9+: Overcome legal and socio-economic barriers towards a **competitive business ecosystem** as well as **tailored regulations and policy solutions** for clean heating and cooling systems

With a specific focus on

- Integrated **District Heating Systems (IDHS)** and
- industrial Integrated **Decarbonisation Systems (IDS)**

Challenge

- Elaborate a shared understanding of factors affecting the timely implementation of IDHS and industrial IDCs.
- Co-develop evidence-based stakeholder guidelines.
- Create impact on stakeholder behavior.

Introduction

Overview SWEET DeCarbCH (INE)

WP 9: Integration of solutions

➤ Collaborative Roadmapping and Guidelines for Use Cases based on SCOVILLE results (Workshops: Scenario Discussions and Stakeholder Implications)

Deep Dive WS on use cases of DH

- WP 6 Peak Shaving
- WP 7 Temperature Reduction
- WP 10 Excess heat : Governance GAP for Data Centers
- WP X Integrated DHC

Deep Dive WS on IDS with SPREAD

WP 11 Strategies for Industrial Ecosystem to foster diffusion of Integrated Decarb Systems

WP 2 Understanding of the implementation challenges of the ecosystem; Developing Analysis Tools

- Ecosystem-framework
- SCOVILLE Model
- Strategic Directions for Retrofitting DH

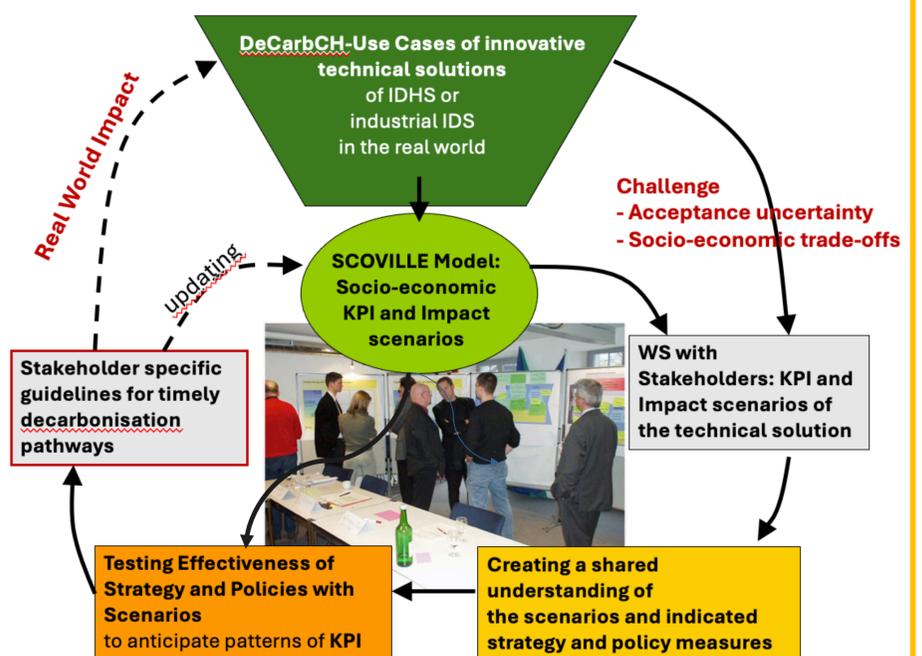
WP 6 Use case analysis: Best Practice of Planning and Implementation of the City of Zurich

- Empirical bases defines Model Boundary and Structure

WP 5 Industrial Heat Pumps: Diffusion Challenges for the Ecosystem

- Causal Loop Diagram explaining diffusion of IHP in an Ecosystem

Method

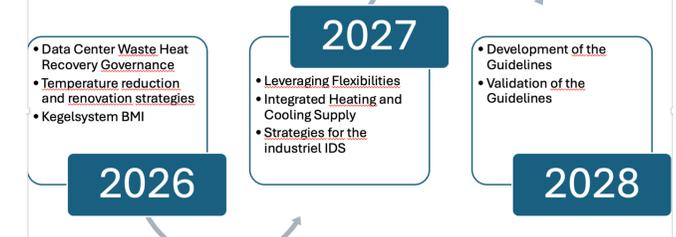


Stakeholder WS

Invited (depending on the topic) are experts of cities, grid operators, planning offices, federal and cantonal authorities – as well as data center operators, EnAW, etc.

2025 first SCOVILLE WS socio-economic tradeoff in DHS

Schedule



Core partners



Associate partners



Cooperative partners:

