MANUAL "BEST-PRACTICE"-TOOLS

STRATEGIC AREAS / MUNICIPAL LEVEL

Decarbonization requires a multi-level approach, with different tools catering to households, property groups, and municipalities. This flowchart outlines the key tools, financing methods, ownership considerations, and expected impacts at each level. By integrating these tools strategically, decision-makers can drive effective and sustainable climate action. Three different levels have been identified with varying needs of approaches to maximise success.

UNLOCKING DECARBONIZATION: STRATEGIC AREAS / MUNICIPAL LEVEL

Municipalities play a vital role in addressing global sustainability challenges at the local level. As the closest level of government to citizens, they are uniquely positioned to implement targeted strategies that directly impact daily life—whether through energy use, urban planning, transportation, or consumption habits.

Strategic tools and approaches at the municipal level help local governments set climate goals, design effective interventions, and monitor progress over time. These tools often integrate data-driven decision-making, public engagement, and cross-sector collaboration, making them essential components in the transition to climate-neutral, inclusive, and resilient communities.

By focusing on key areas such as energy efficiency, smart infrastructure, behavioural change, and transparent governance, municipalities can lead the way in creating sustainable futures—one neighbourhood at a time.

Tools: Climate OS, Esave Bodø, Consumption Compass
- Goals: Support large-scale decarbonization strategies
- Financing: Taxation, green bonds, anonymized data sales
- Ownership & Data: Municipalities typically own tools, secure data sharing is essential
- Impact: Systematic transition to climate neutrality, collaboration with research & industry

Climate OS

Climate OS is a digital climate strategy platform designed to help municipalities and organisations reduce carbon emissions in line with global climate targets. It supports data-driven policymaking, enabling users to simulate, implement, and monitor decarbonization strategies. Umeå Municipality tested Climate OS under northern conditions. www.climateview.com/climate-os-platform

Esave Bodø

Esave Bodø specialises in smart, sensor-driven lighting systems integrated with IoT solutions. The aim is to reduce urban energy consumption, operational costs, and CO_2 emissions, while increasing safety and adaptability in public spaces. Esave's system has been implemented in Bodø and other cities to modernise urban infrastructure. https://www.korta.is/

Consumption Compass (Konsumtionskompassen)

Consumption Compass helps users understand how their everyday choices impact the environment. The tool provides tailored feedback and data visualisations that guide individuals and communities toward more sustainable consumption patterns. Municipalities like Umeå have used the Consumption Compass to engage citizens in climate initiatives. www.konsumtionskompassen.se

Sustainability (Green NPA)

- All three tools aim to reduce climate impact and contribute to a more sustainable society:
- Climate OS: Reduces carbon emissions through strategic, data-driven climate planning and scenario modelling.
- Esave Bodø: Optimises urban lighting with smart technology, achieving up to 30 % energy savings.
- Consumption Compass: Visualises the climate impact of consumption and encourages behaviour change that reduces emissions.

Inclusion (Inclusive NPA)

- The tools promote accessibility and engagement across diverse target groups:
- Climate OS: Uses open data and visual tools to make climate information accessible to citizens, including youth and non-experts.
- Esave Bodø: Improves safety and accessibility in public spaces for children, the elderly, and people with disabilities.
- Consumption Compass: User-friendly for all ages and education levels, with localised content and low barriers to entry.

Gender Equality (Gender-balanced NPA)

- Each tool supports more gender-aware and balanced climate action:
- Climate OS: Allows for gender-disaggregated data and encourages the inclusion of diverse voices in planning and reporting processes.
- Esave Bodø: Enhances safety in public spaces, particularly for women; inclusive planning is encouraged for equitable implementation.
- Consumption Compass: Highlights gendered consumption patterns and fosters equal participation in climate awareness, especially in schools and community settings.

Collaboration & Knowledge Sharing

Successful decarbonization requires joint efforts between policymakers, businesses, and communities. Combining tools at different levels enhances efficiency and accelerates the transition toward a sustainable future.

In the NPA – Hybes project Work Package 2.2 is an effort to combine and share knowledge of different types of decarbonization tools on international scale and more detailed information can be found in the report "WP 2.2 "Best Practise" Tools".