



# MANUAL “BEST-PRACTICE”-TOOLS

## HOUSEHOLD 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.

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# UNLOCKING DECARBONIZATION: HOUSEHOLD LEVEL

Households play a critical role in the transition to a low-carbon society. Every day decisions around heating, energy use, transport, food, and consumption collectively have a significant impact on greenhouse gas emissions. Tools at the household level aim to raise awareness, provide personalised feedback, and empower individuals and families to make more sustainable choices. By combining user-friendly technology with clear data and actionable insights, these tools foster behavioural change and strengthen community engagement in climate goals from the ground up.

## **Tools: Faroese Calculator, The Energy Calculator, Orkustofnun**

- Goals: Promote decarbonization, increase public engagement
- Financing: Free access, funded by taxes, crowdfunding, and business partnerships
- Ownership & Data: Households do not own tools, and strong privacy protections
- Impact: Cost-effective climate action, valuable data for policymakers

### **Faroes Heat Pump Calculator**

The Faroes Heat Pump Calculator is an easy-to-use online tool that helps Faroese households compare oil heating with renewable heat pump options. Developed to support the transition away from fossil fuels, it offers clear, scenario-based calculations tailored to each home's conditions, such as insulation and orientation. The tool empowers users to make informed, climate-smart decisions and has played a key role in advancing the Faroese government's goals for energy independence and sustainability. <https://www.orka.fo/>

### **The Energy Calculator (Energiberäkning)**

Energiberäkning is a digital tool used to assess and improve the energy performance of buildings according to national and EU regulations. It supports energy-efficient planning, evaluates renovation impacts, and verifies compliance in new constructions. Tested by Umeå municipality, the tool helps reduce emissions in the built environment and is valuable for both public and private property owners aiming to make informed, sustainable choices.

### **Orkustofnun Korta App**

The Korta app is a web and mobile tool from Iceland that helps households and communities track energy use, water consumption, waste, and mobility. It offers clear insights to support greener lifestyle choices and reduce environmental impact. Used in municipalities like Akureyri, it has proven effective in promoting sustainable habits across schools, housing cooperatives, and public agencies.

<https://www.korta.is/>

### **Sustainability (Green NPA)**

All three tools promote environmentally conscious decisions and energy efficiency:

- Faroese Heat Pump Calculator: Supports households in switching from oil heating to renewable systems, helping reduce emissions.
- The Energy Calculator: Assists property owners and municipalities in planning energy-efficient buildings and renovations in line with EU standards.
- Korta App: Raises awareness of environmental impact and encourages behaviour change in energy, water use, waste, and transport.

### **Gender Equality (Gender-balanced NPA)**

Each tool promotes equal participation in sustainability actions:

- Faroese Heat Pump Calculator: Challenges traditional gender roles in household energy decisions by encouraging shared responsibility.
- The Energy Calculator: Can expand gender diversity in energy planning, especially in male-dominated sectors.
- Korta App: Promotes balanced involvement in environmental action, especially among adults and children of all genders in schools and homes.

### **Inclusion (Inclusive NPA)**

These tools are designed to be accessible regardless of users' technical skills or backgrounds:

- Faroese Heat Pump Calculator: Simple and transparent, free from commercial bias, and available to all households.
- The Energy Calculator: Designed to be user-friendly even for small property owners, with municipal energy advisor support.
- Korta App: Web- and mobile-based, with clear visualisations and language suitable for schools, households, and policymakers.

### **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”.