Netherlands Enterprise Agency

Netherlands policy for local heating and cooling plans

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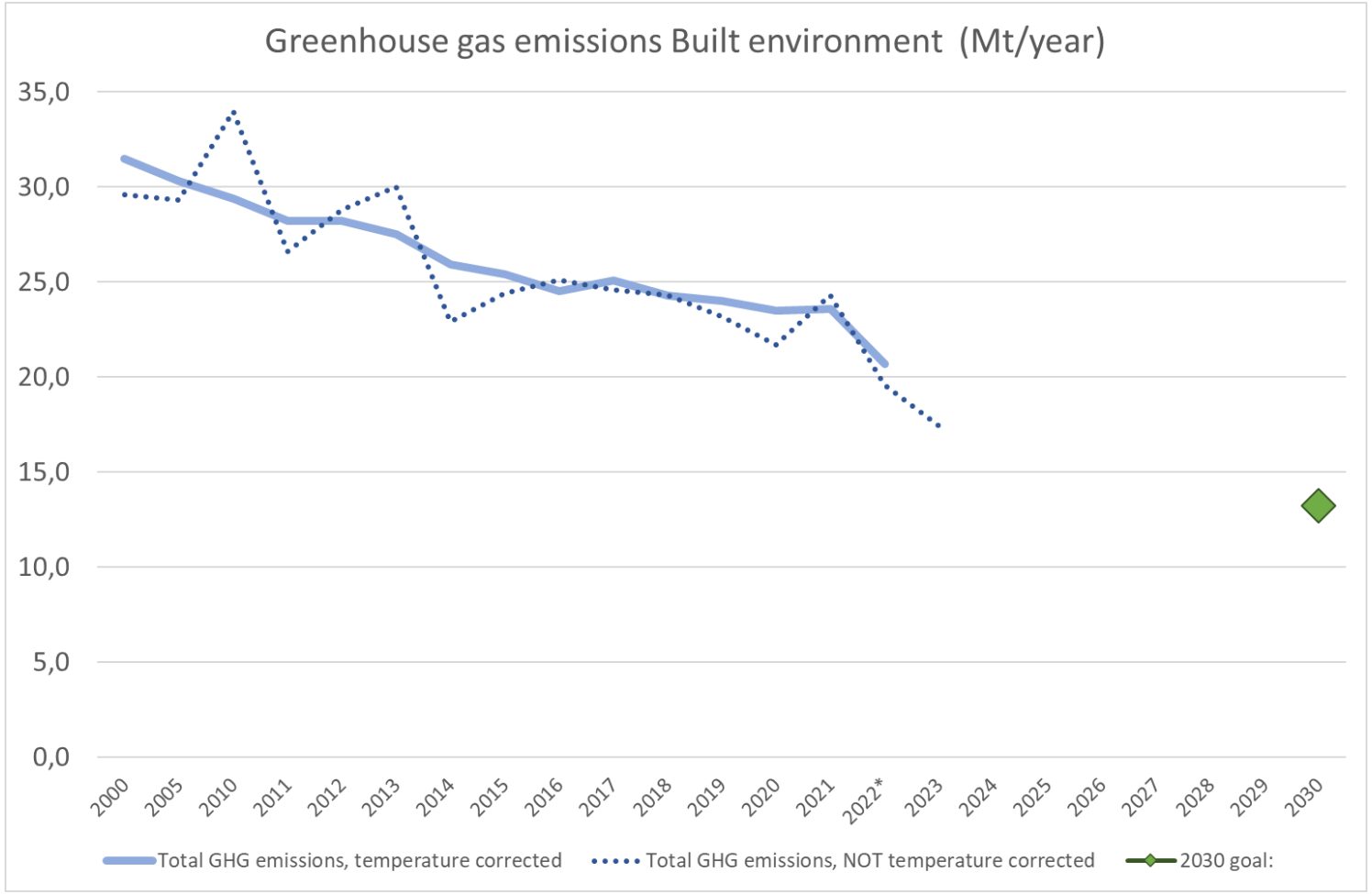
Lex Bosselaar

Kobus Cox

Overview

- National policy PVGO
  Acceleration program Sustainability measures in the built environment
- NPLW: National Program Local Heat transition
- Startanalysis
- Heat map
- Current status
- Planning
  - Update heat plans
  - Regulation
  - Link with CBA EED art. 26

Emissions reduction goals built environment



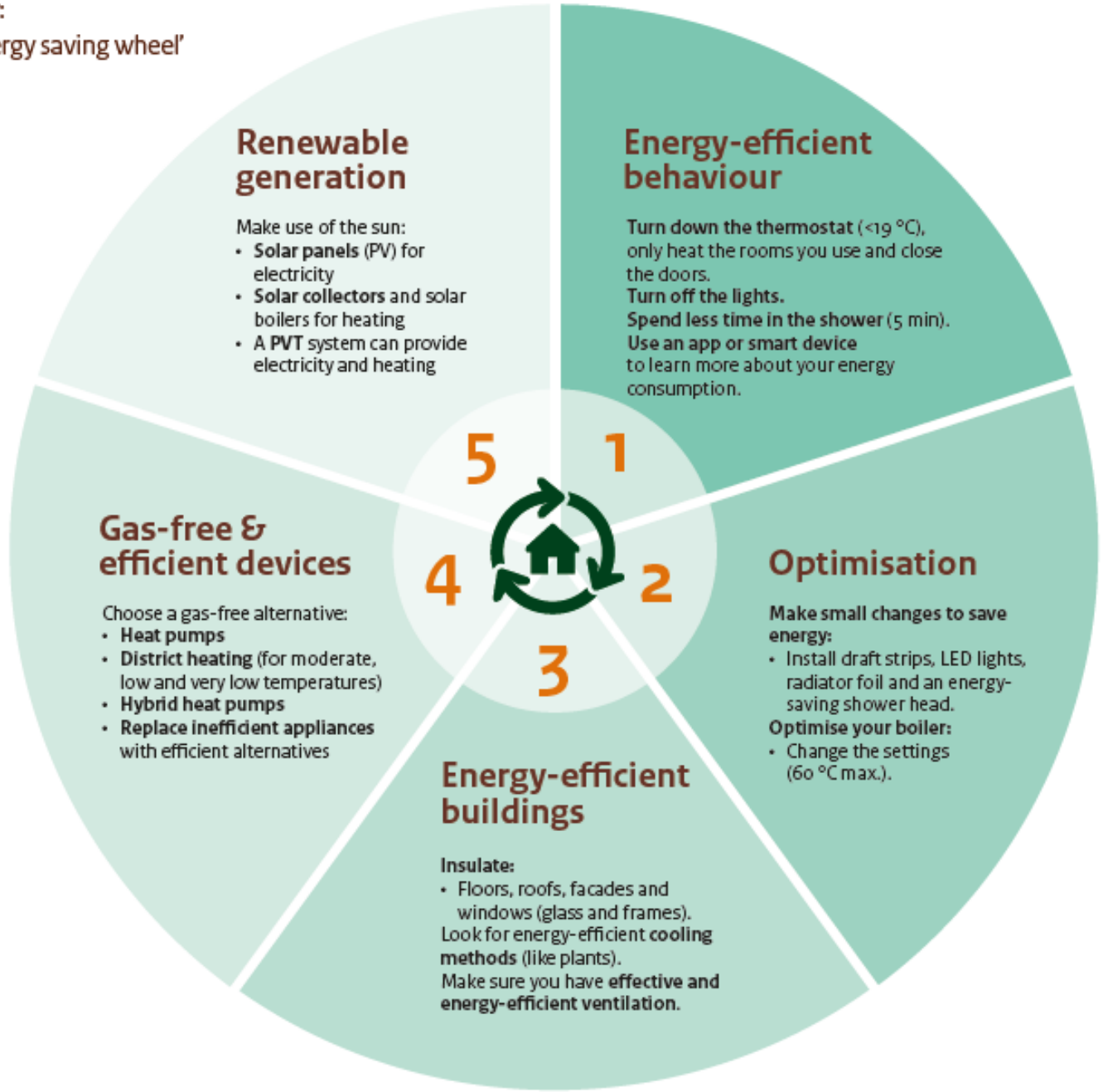
GOAL 2030:
13,2 MTON/YR

(1990 -56%)

Current policies

PVGO: 'PROGRAMMA VERSNELLING VERDUURZAMING GEBOUWDE OMGEVING'

Figure 7:
the 'energy saving wheel'



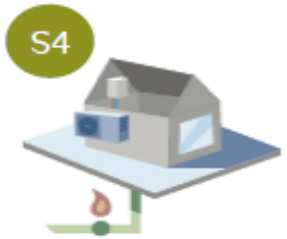
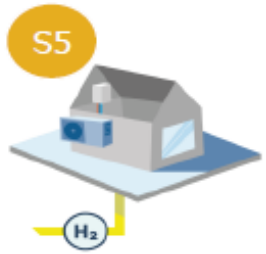
National Strategy

- Municipalities have the lead in the heat transition
- Funding for municipalities
- Starter motor are the housing corporations
- New buildings are gas-free
- National Insulation plan
- Hybrid heat pump action plan
- Pilot program for gas-free neighbourhoods
- Financial support from 25 billion climate fund
- New government continues the policy

NPLW Nationaal Programma Lokale Warmtetransitie

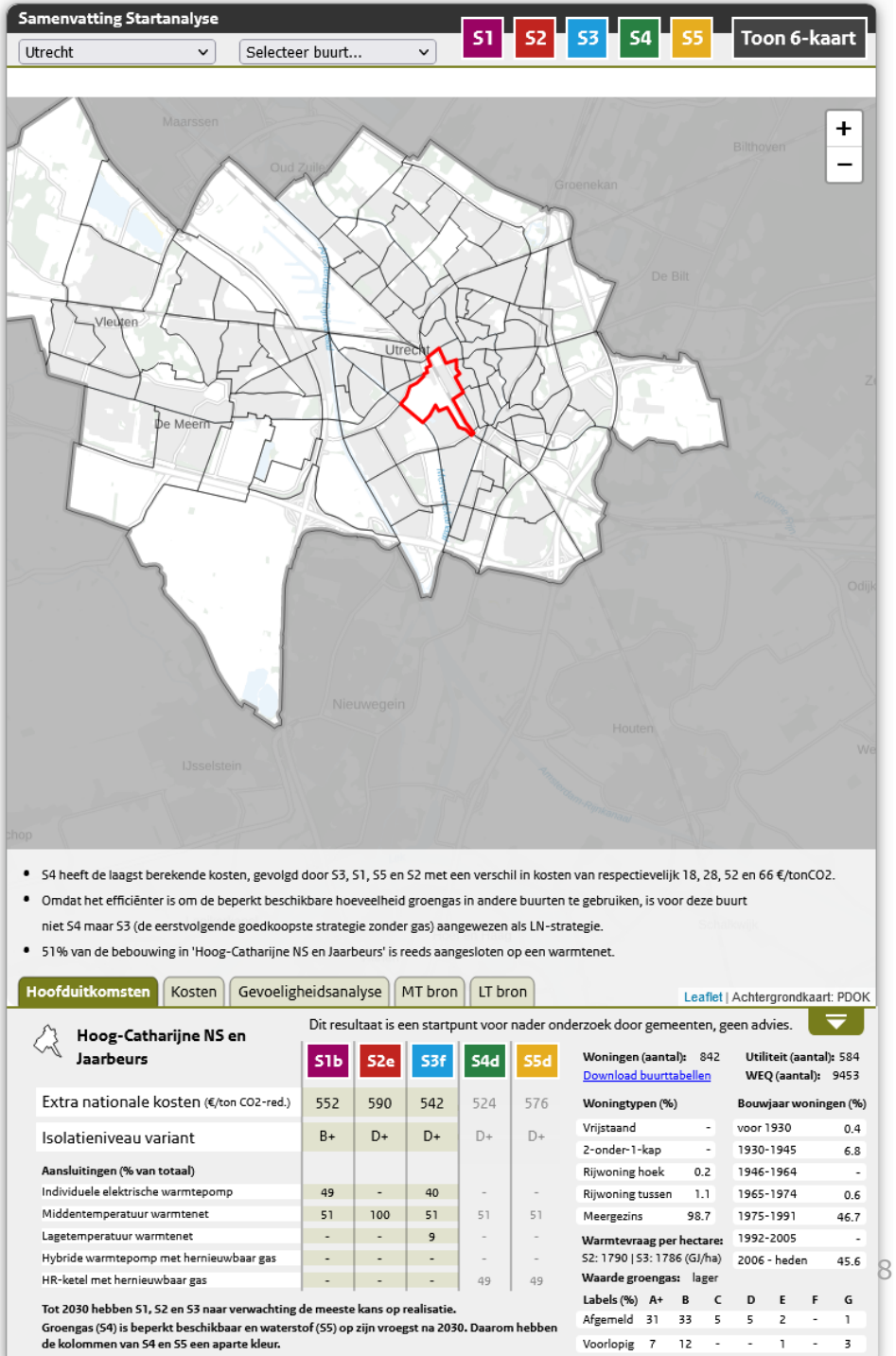
- Support for municipalities
- Factsheets about technologies
- Guidelines for the proces in the municipality and participation
- Webinars and events
- In cooperation with RVO

Start analysis: 5 strategies, 24 variants.

	S1	S2	S3	S4	S5
					
Infrastructure	Electricity	DH with MT-sources	DH with LT-sources	Green gas	Hydrogen
Insulation level of buildings					
Heat source or production	**50°C** Air-HP Ground-HP	**>70°C** Residual heat Geothermal sources Green gas for peak boiler	**30, 50, 70°C** Residual heat Water-HP Ground-HP Aquathermal H&C Storage	**>70°C** Hybrid-HP HR-boiler	**>70°C** Hybrid-HP HR-boiler

Start analysis

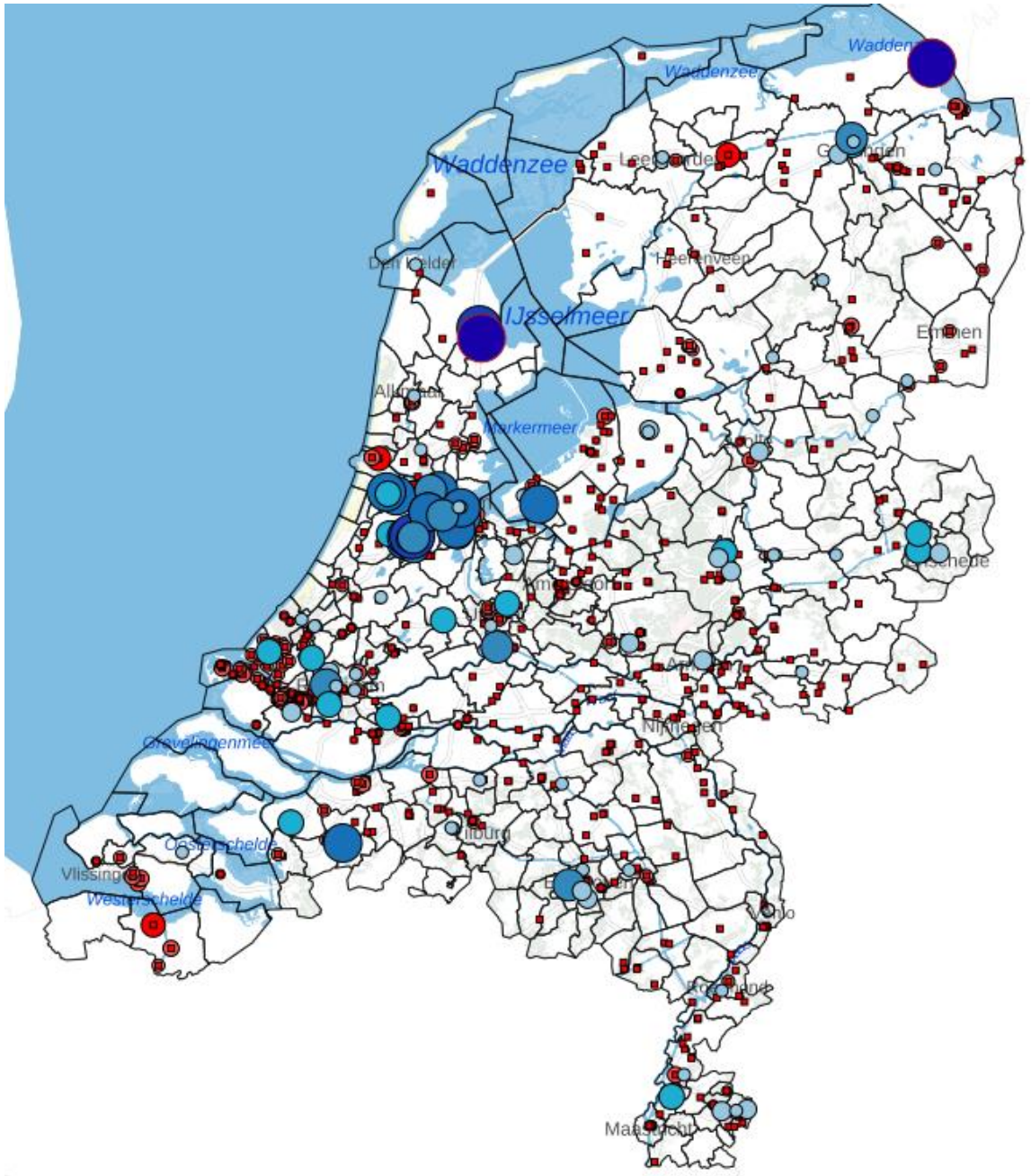
- https://themasites.pbl.nl/leidraad-warmte/2020/#
- The Vesta-MAIS model from PBL (NL environmental assessment agency)
- Calculation for all 13600 neighborhoods from 342 municipalities
- The national costs for 5 strategies
- A lot of additional information
- Update in 2024



Heat map

- www.warmteatlas.nl
- Energy use
- Renewable energy sources
- Waste heat
- Data centers
- Heat transition plans
- District heating

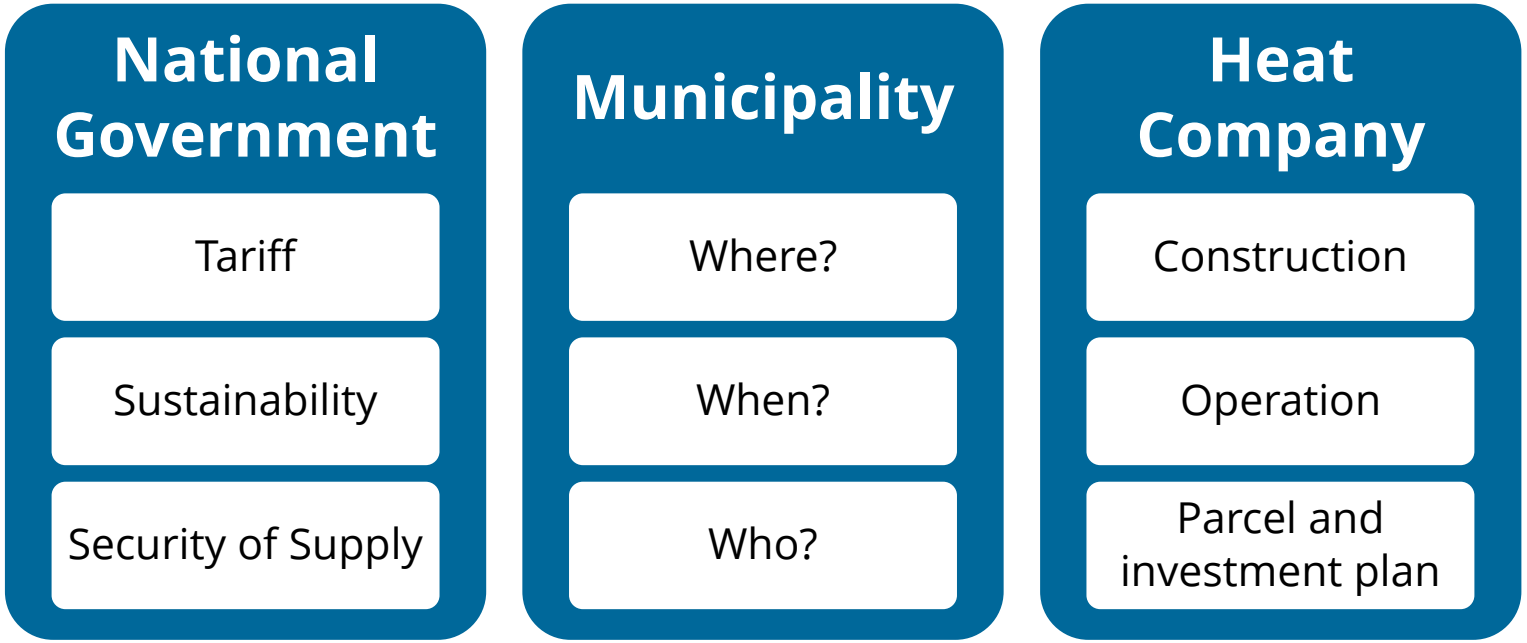
Waste heat (data centers in blue)



Future ›

New Collective Heat Act (WCW)

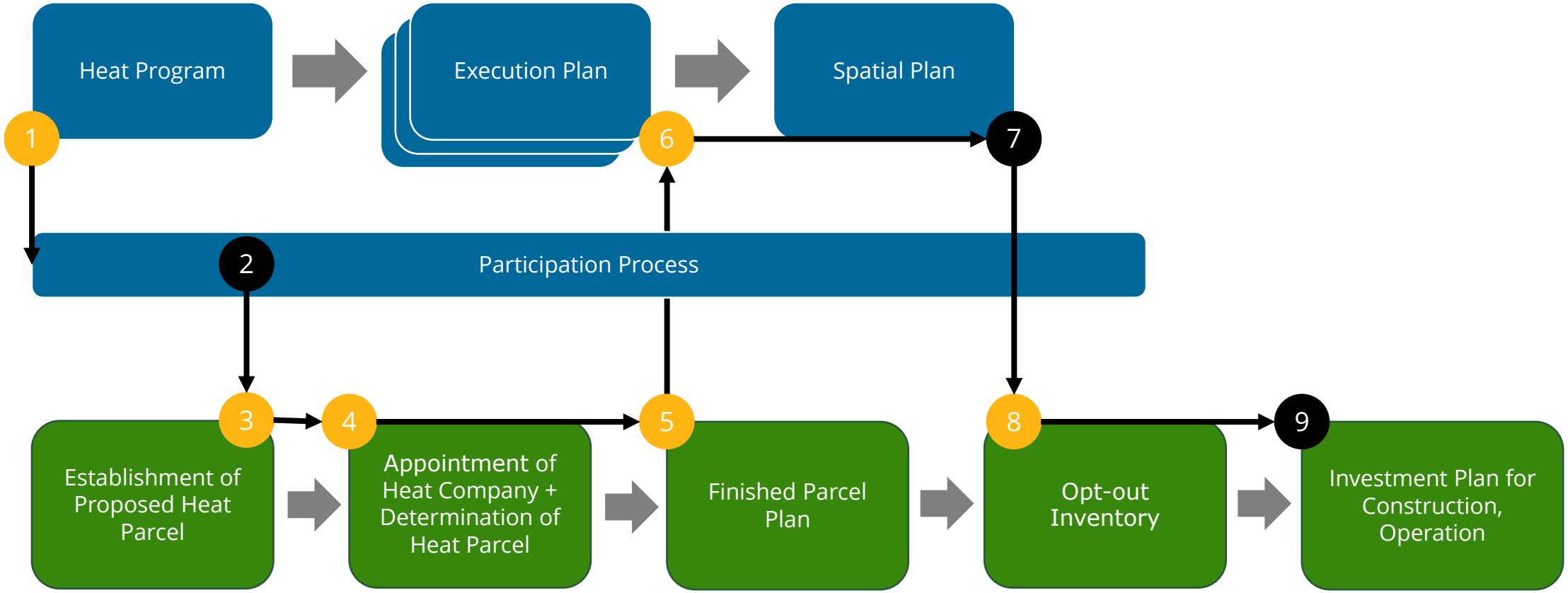
- Increasing public control over collective heat: **municipalities have the lead**
- New tariff rules and more transparency
- Ensuring consumer interests and security of supply
- Sustainability of collective heat



Municipality in the lead

- Decision on the sustainability strategy (1)
- Establishes heat parcel (3)
- Appoints heat company (4)

Initiates parcel plan and must approve (5)
Changes to the spatial plan (7)
Starts opt-out process (8)



CBA (Art. 26 6)

- **CBA for Feasibility**:
  Article 26 mandates a **CBA** to assess cost-effective integration of waste heat into heating systems.

- **Supports LHCP**:
  Helps municipalities identify sustainable and available heat sources for district networks. (Heat Map)