Introduction to Östersund

- In the middle of Sweden
- The only city in the region of Jämtland
- 65 000 inhabitants



Climate targets

Two perspectives

Organisational emissions

- Full control, possibility of direct action

Territorial emissions

- Restricted control, many stakeholders, municipality in lead



Climate targets

Two perspectives

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Climate-and energy strategy

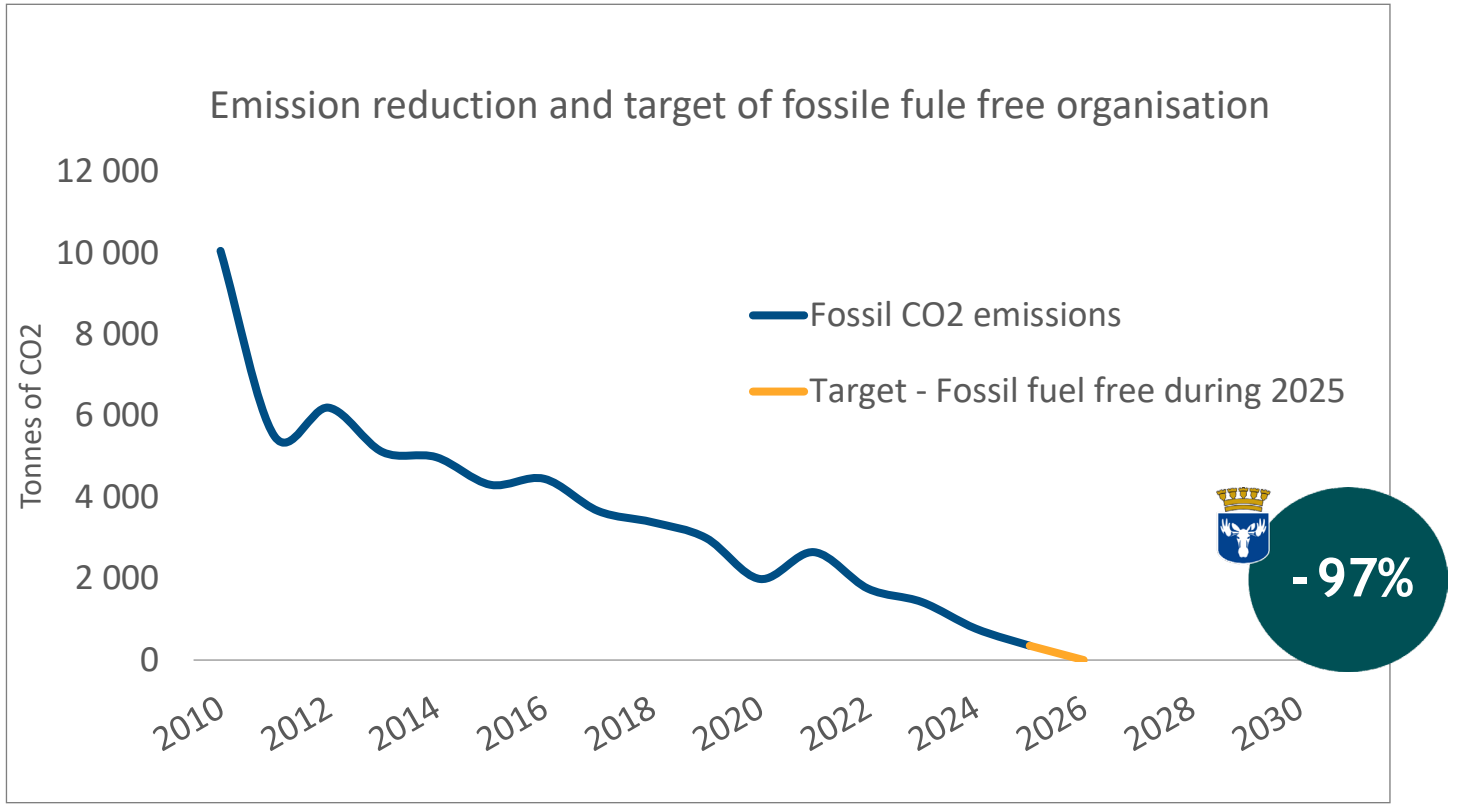
- Tansport, travelling and work machinery
- Urban planning and construction
- Energy
- Consumption





Climate Targets

Fossile fuel free organisation



The last 3 % consists of:

1% - Fossil residuals in district heating

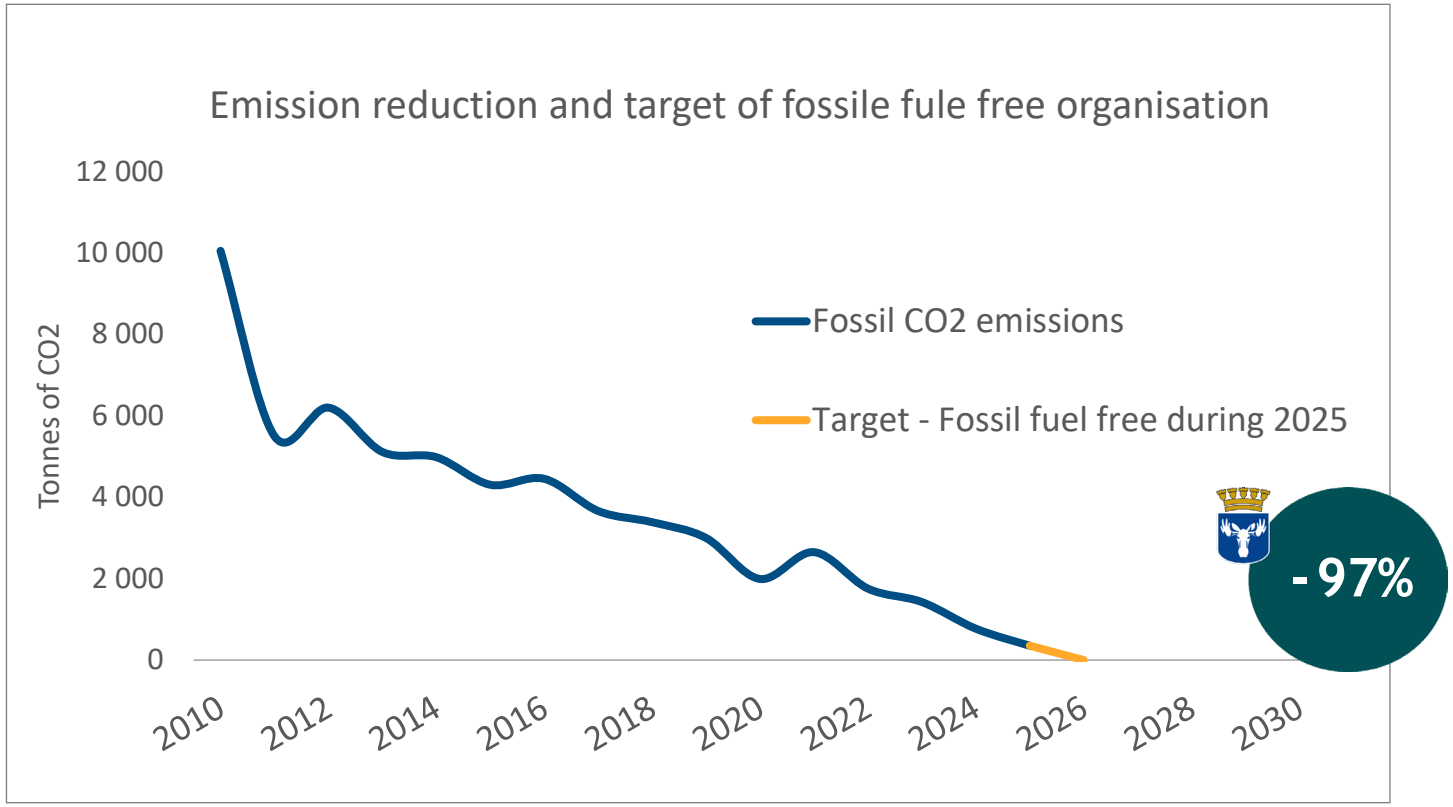
1%* - Bussiness travel

1% - Residual fuels in machines and procured services.

* Rest of emissions reduced by internal carbon fee and purchase of green aviation fuel.

Climate Targets

Fossile fuel free organisation

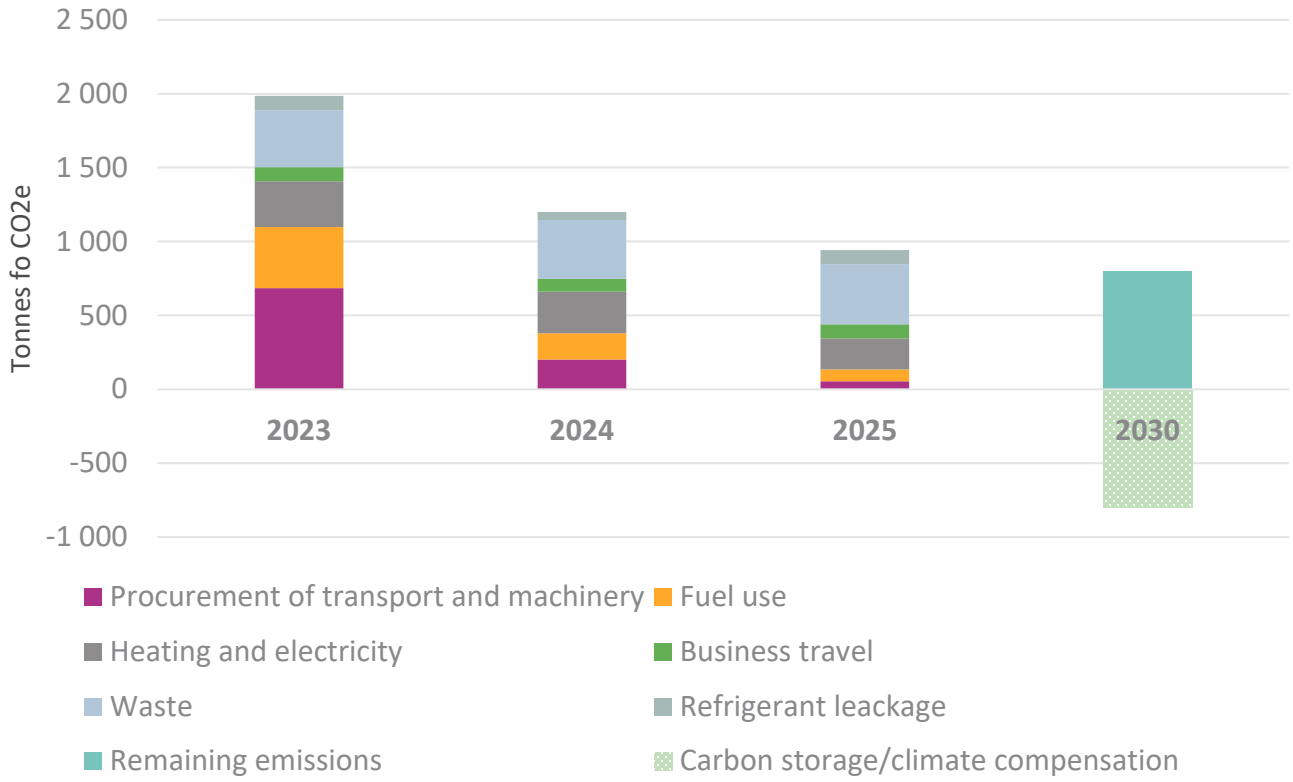


Role of climate budgeting in reaching the target

- ❑ Clear target, well anchored
- ❑ Emission inventory
- ❑ Activity (Km, litres, kwh) x Emission factor (energy carrier)
- ❑ Identifying objects/measures
- ❑ Calculate cost and emission reduction → direct emissions = easier
- ❑ Mark out in investment budget

Climate Targets

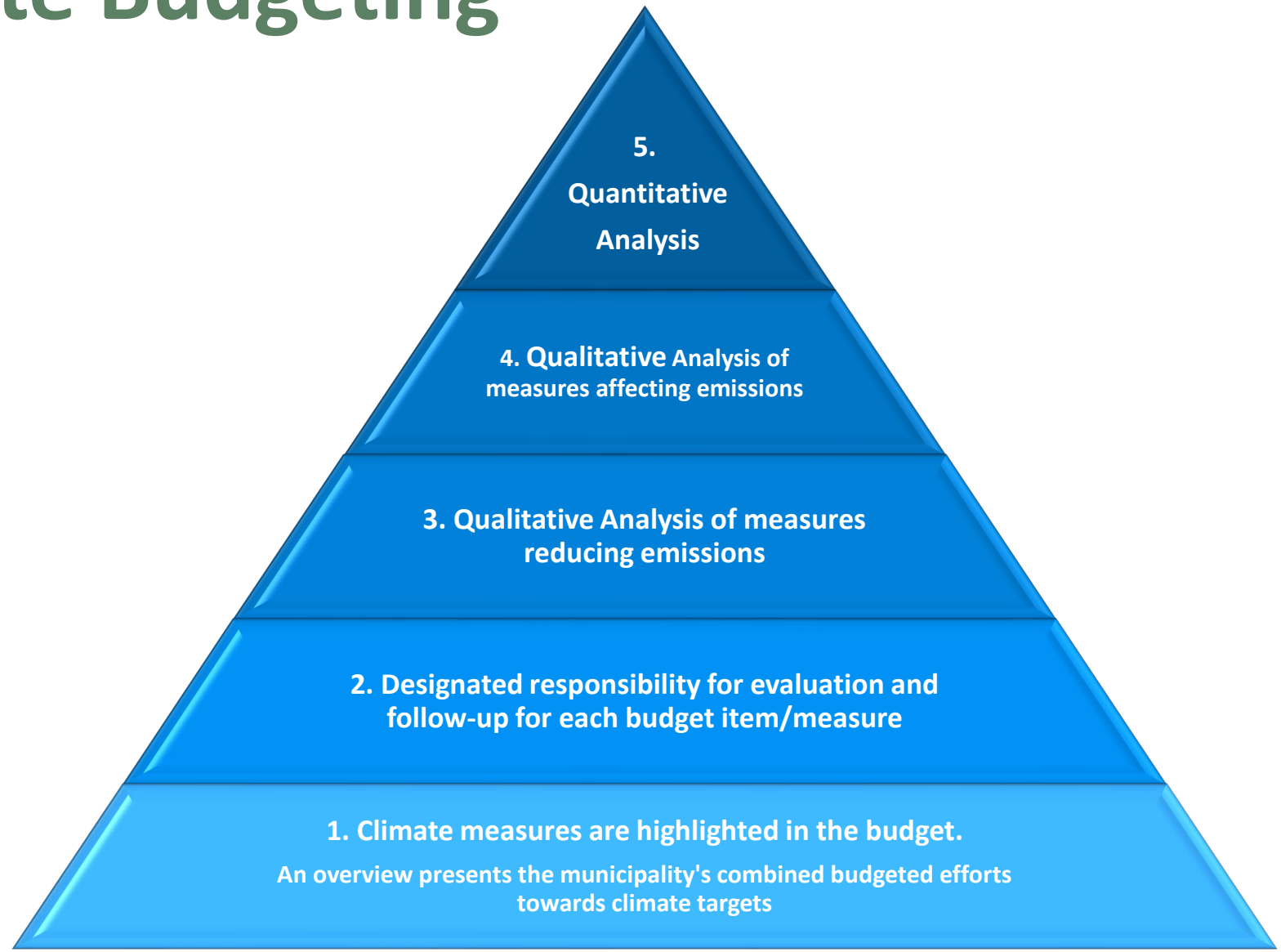
From fossile fuel free to Climate neutral organisation



Definition of climate neutrality

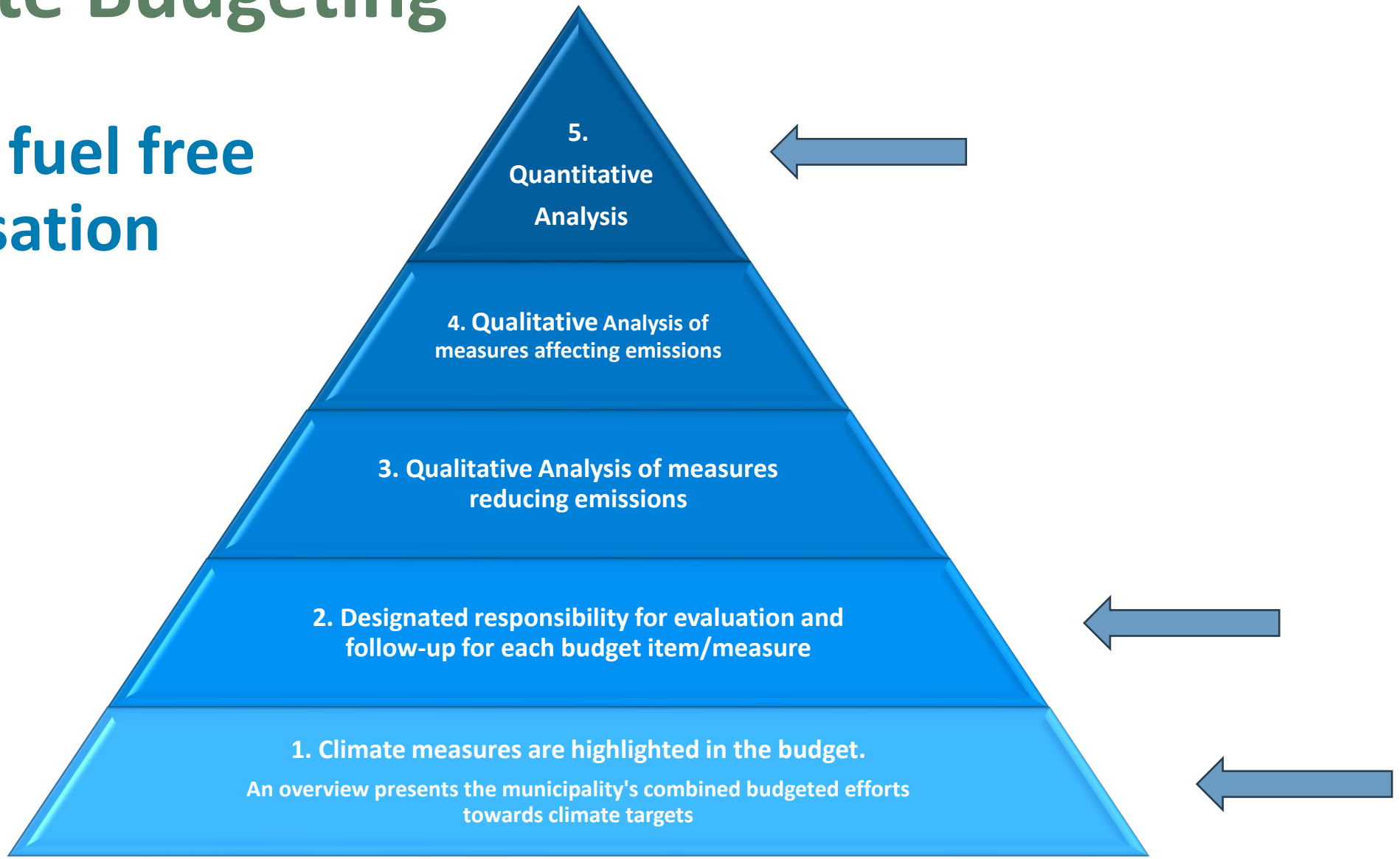
- ❑ Fossile fuel free in own operations
- ❑ Fossile fuel free procurements
- ❑ Increasing demands towards emission free procurements
- ❑ Waste and refrigerants
- ❑ Carbon storage / climate compensation for remaining emissions

Climate Budgeting



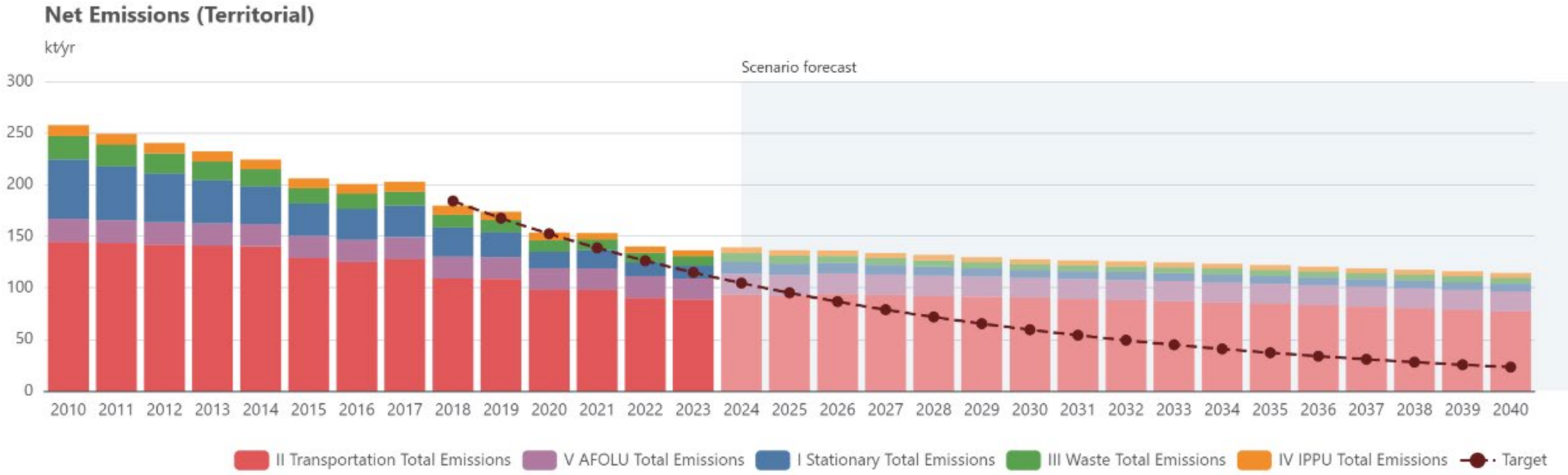
Climate Budgeting

Fossile fuel free organisation



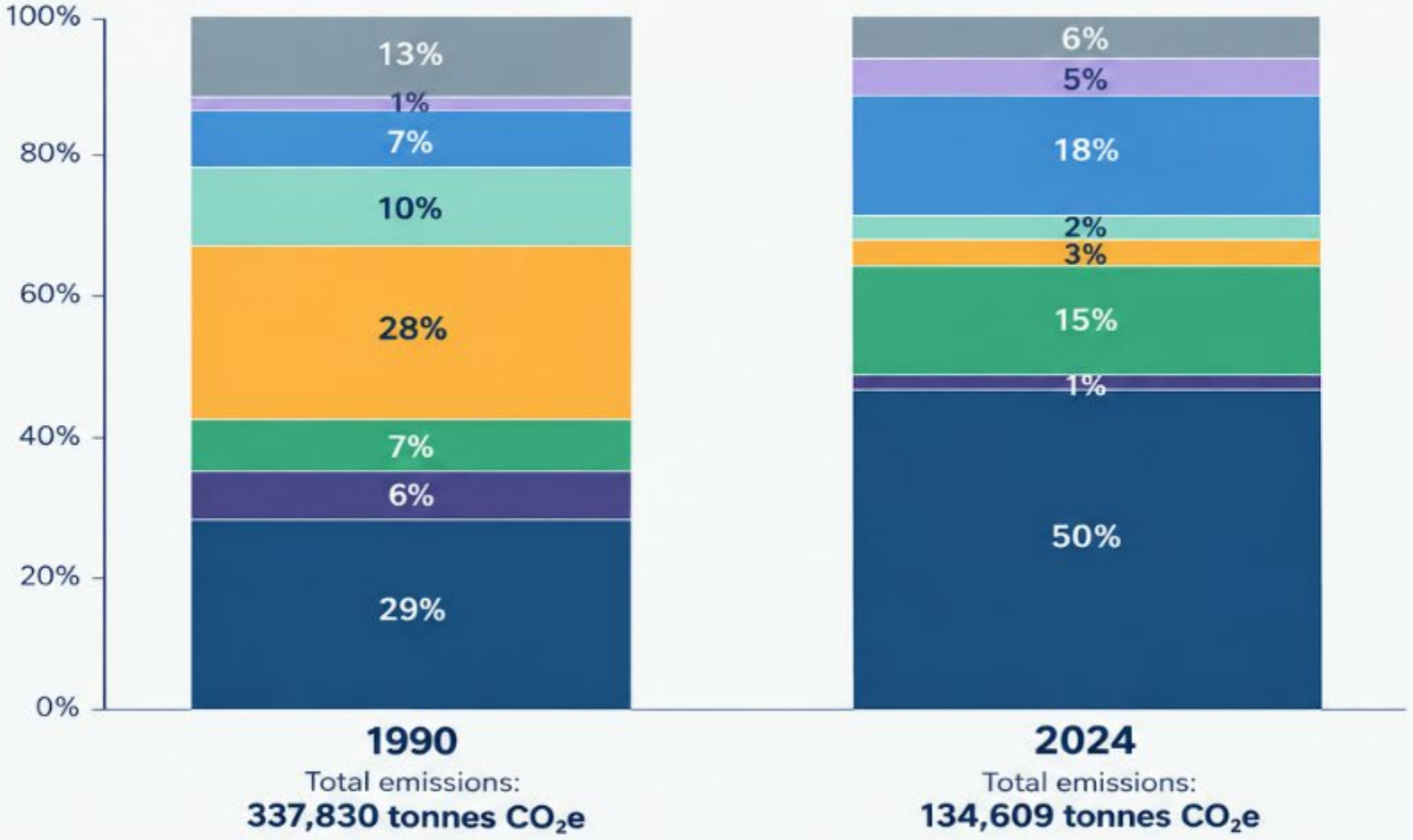
Climate Targets

Climate positive by 2040



Emissions have decreased – but transport now accounts for a larger share

Share of territorial greenhouse gas emissions by sector, 1990 vs 2024



Transport
29% → 50%

Industry (energy + processes)
6% → 1%

Agriculture
7% → 15%

Electricity and district heating
28% → 3%

Residential and commercial heating
10% → 2%

Work machinery
7% → 18%

Product use (incl. solvents)
1% → 5%

Waste (incl. wastewater)
13% → 6%

International transport
0% → 0%

Total emissions
–60%
since 1990

Transport sector
29% → 50%
of remaining emissions

Climate budget

Under development

Climate targets	*Where are we going?*
Emissions status	*Where are we?*
Gap-analysis	*What need to change?*

- Per climate strategy area

Budgeted measures	*What are we doing?*

- Tagging of climate measures
  - Investment budget
  - Political assignments

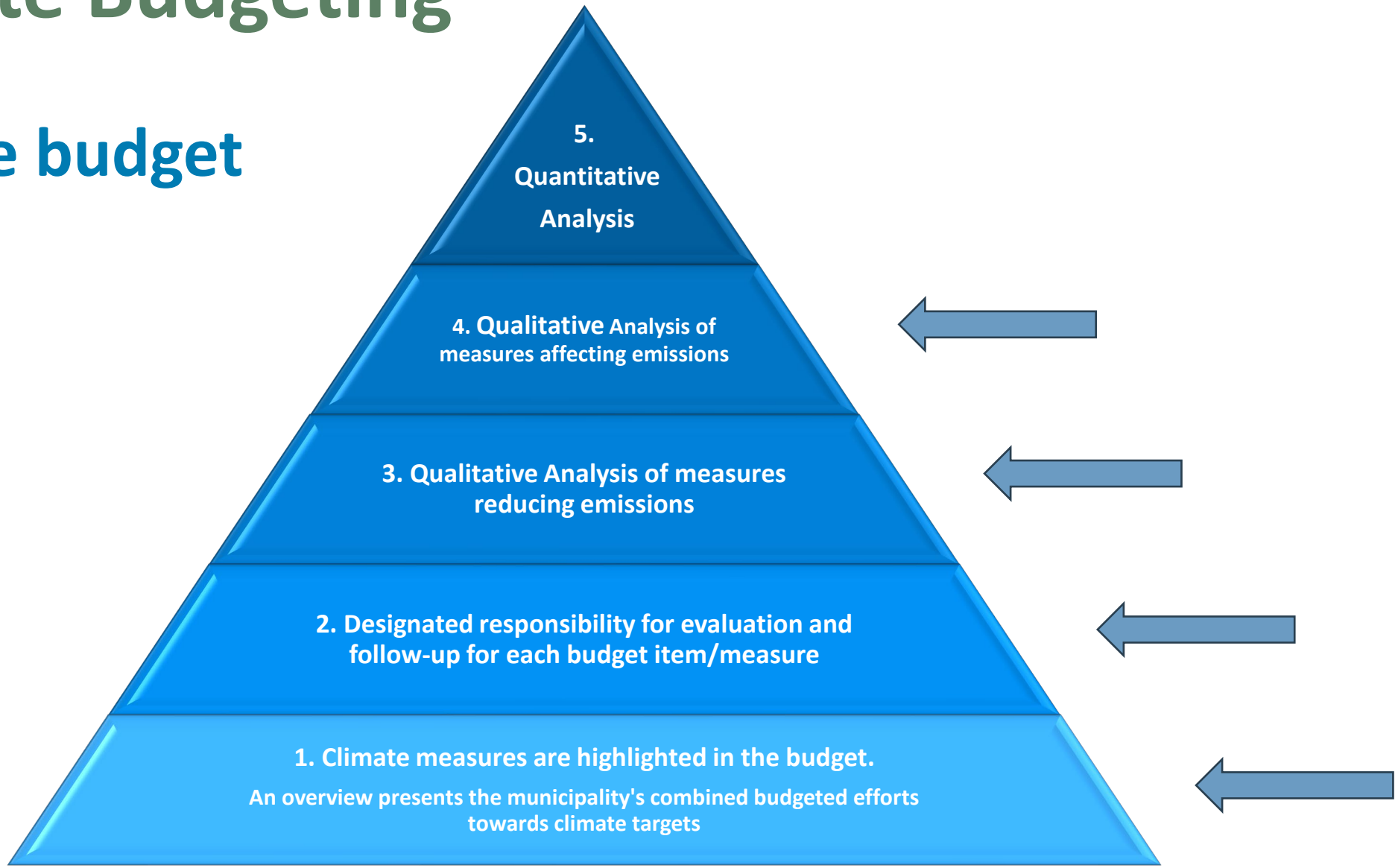
Consequence analysis	*Are we doing the right thing?*



Photo: Tobbe Hising

Climate Budgeting

Climate budget



Climate budget

Under development

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Active – Reactive approach



Photo: Tobbe Hising

Interreg Baltic Sea Region

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ENERGY TRANSITION
Climate-4-CAST

Thanks for listening

Brussels | 2026.10.14
Rasmus Grelsson

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