



TRONDHEIM KOMMUNE
Trånten tjielte

The Trondheim experience in climate governance



Chin-Yu Lee

Climate Adviser, City of Trondheim

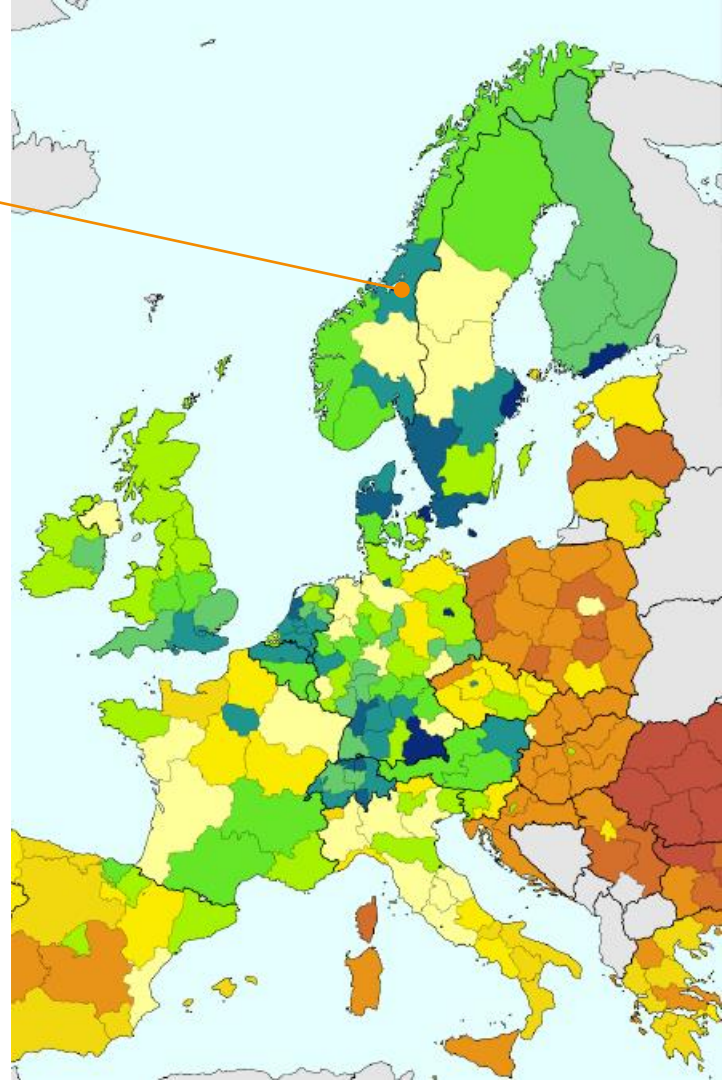
Virtual event with Arup and LGA
14.03.2024

The City of Trondheim

- ★ Third largest city in Norway
Size: 517 km² | Population: 215,000
- ★ **Technology Capital of Norway**, hosting HQs of **NTNU** (Norwegian University of Science and Technology) & **SINTEF** (Scandinavia's largest research institution)

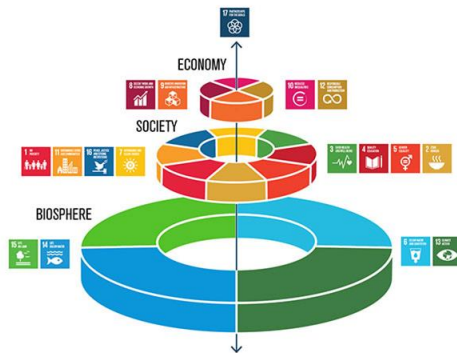
Trondheim ranked #3 as The European Rising Innovative City **European Capital of Innovation Awards 2021**

Trøndelag “Innovation Leader - ”
in **Regional Innovation Scoreboard 2023**.



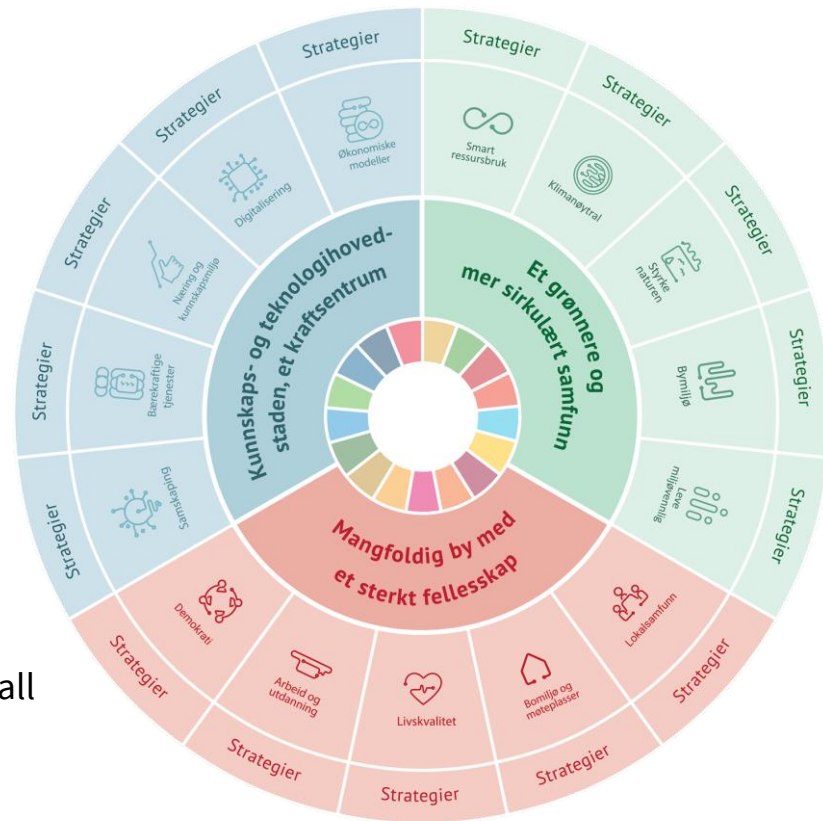
The SDGs and Trondheim's developmental goals

The Municipal Master Plan 2020-2032



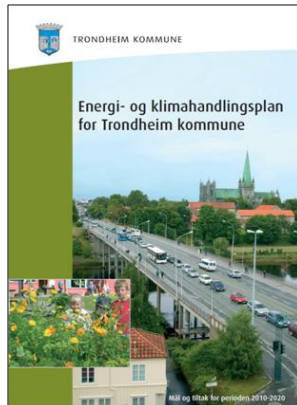
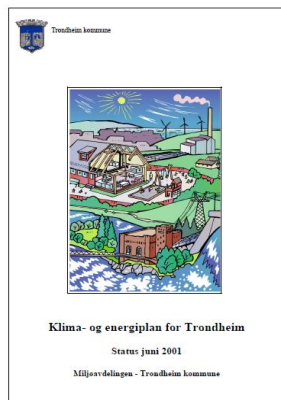
Our three main goals:

1. **Trondheim** shall take responsibility for a greener and more circular society.
2. **Trondheim** shall be a diverse city with a strong community.
3. The knowledge and technology capital **Trondheim** shall be a power center for a better world.



Trondheim's energy and climate plan(s)

2001, 2010, 2017, 2024

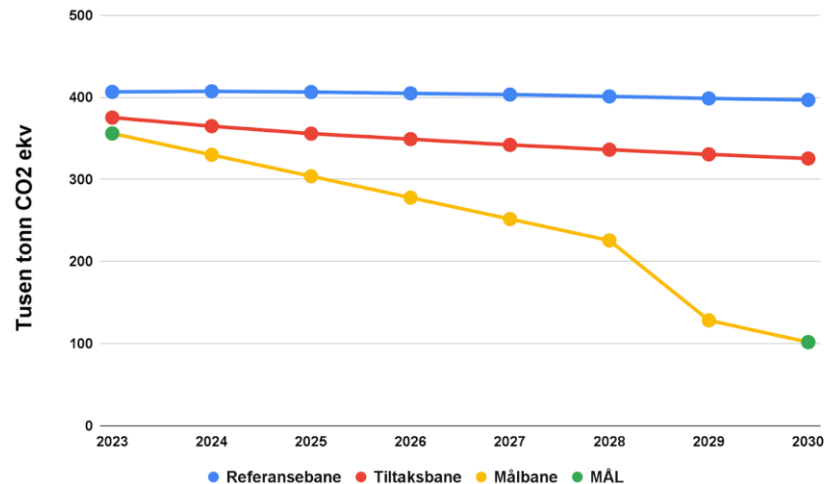
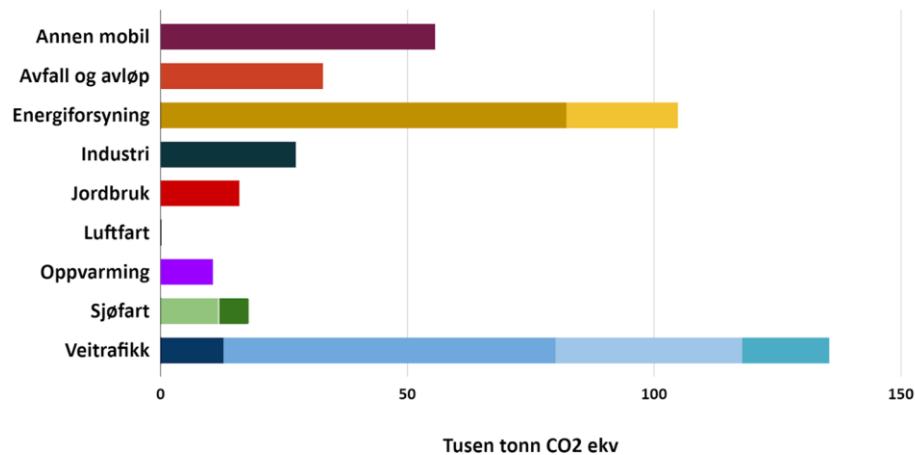


- Our goal is to reduce our direct GHG emissions by 80 % by 2030 (reference year 2009).
- The four main goals in the new plan (*to be approved*):
climate-neutral, **energy-smart**, **circular** and **climate-resilient**



Climate budgeting

The direct GHG emissions and the gap between the trajectories

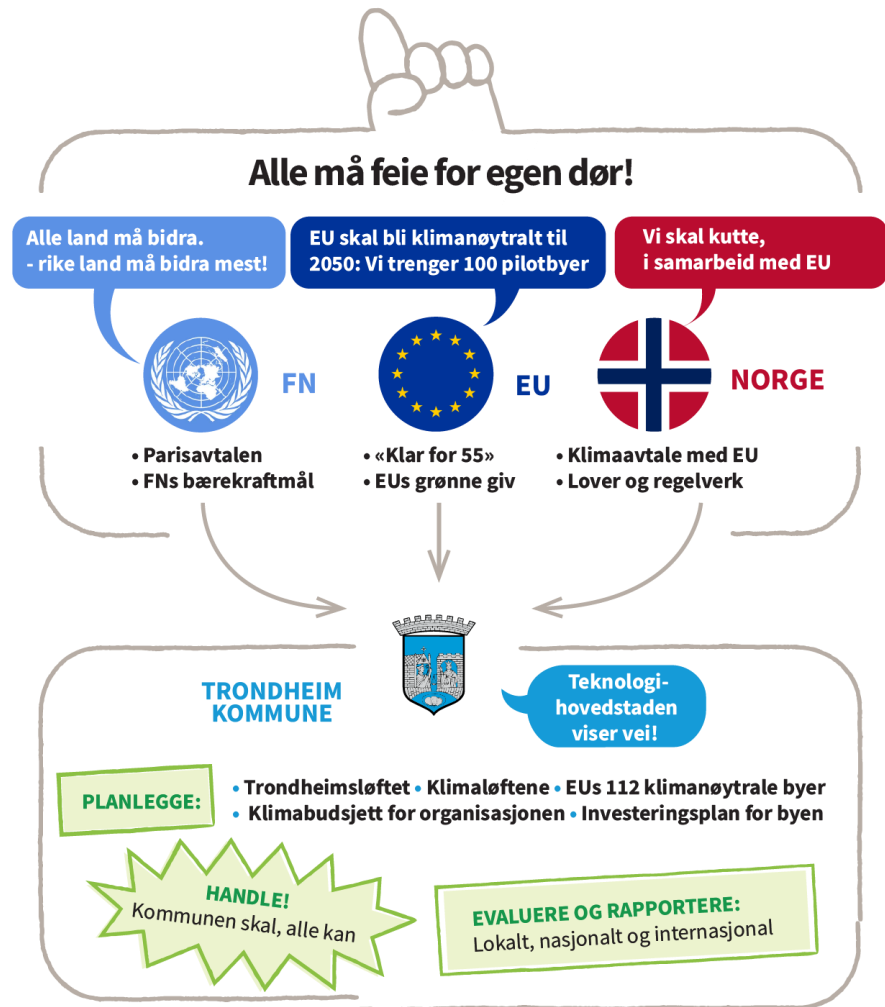


These diagrams are from our climate budget 2024. Trondheim has a dedicated climate budget in the municipal annual budget plan since 2018.

The total GHG emissions in Trondheim amount to 485K tons in 2022, which is approx 20% reduction from 2009. The GHG emissions in EU member states were reduced 32.5 % in 2022 from 1990, while Norway only managed 4.6 %.



Multi-level climate governance



Guidance: energy and climate planning

National planning guideline for climate and energy planning and climate adaptation (2018)



Veileder

Klima- og energiplanlegging

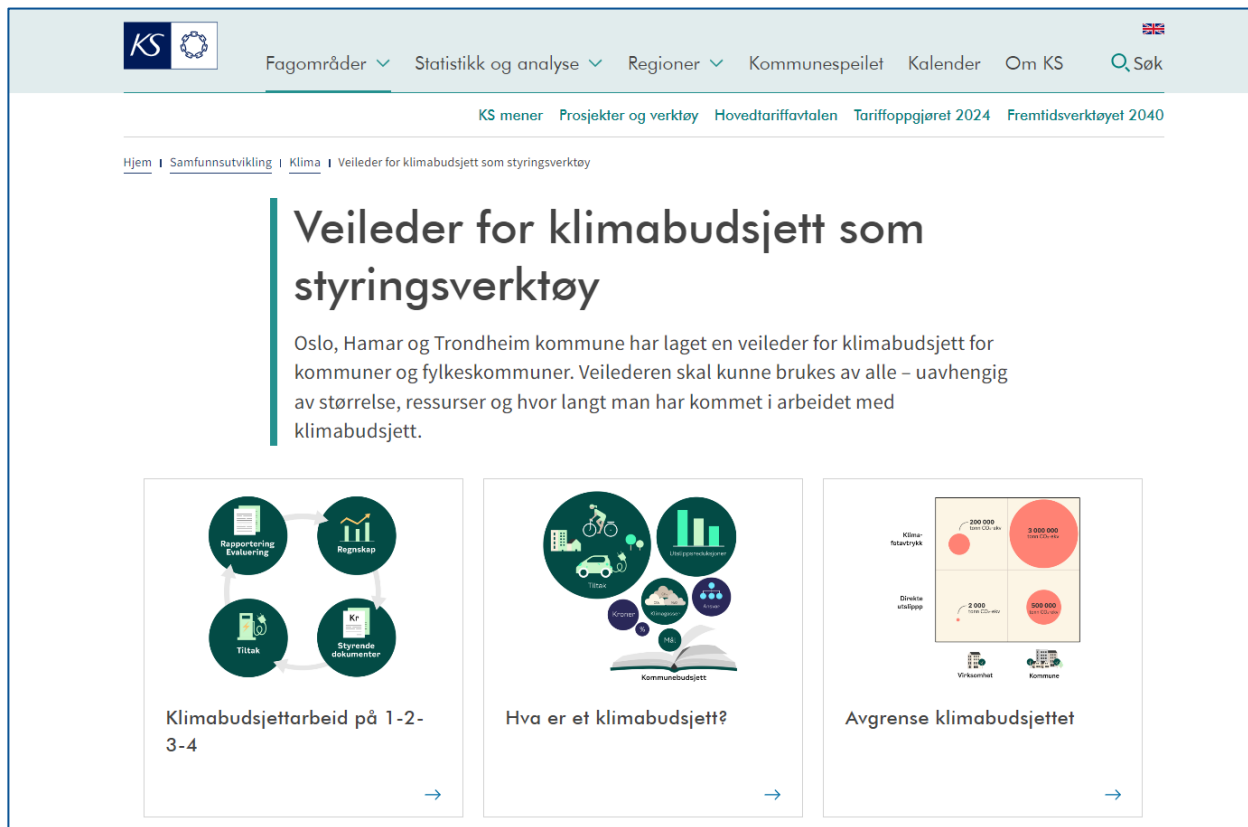
Kommunene og fylkeskommunene har flere roller og virkemidler de kan bruke i sitt arbeid med å redusere klimagassutslipp.

Statlig planretningslinje for klima- og energiplanlegging og klimatilpasning gir retningslinjer for kommunenes arbeid med klima. Retningslinjen skal legges til grunn ved:

- planlegging etter plan- og bygningsloven
- ved enkeltvedtak etter plan- og bygningsloven eller annen lovgiving

Guidance: climate budgeting as a management tool

Provided by the Norwegian Association of Local and Regional Authorities (KS)



The screenshot shows the KS website interface. At the top, there is a navigation bar with the KS logo, a search bar, and menu items: Fagområder, Statistikk og analyse, Regioner, Kommunespeilet, Kalender, and Om KS. Below the navigation bar, there are links for KS mener, Prosjekter og verktøy, Hovedtariffavtalen, Tariffoppgjøret 2024, and Fremtidsverktøyet 2040. The main content area features a breadcrumb trail: Hjem | Samfunnsutvikling | Klima | Veileder for klimabudsjett som styringsverktøy. The title of the page is "Veileder for klimabudsjett som styringsverktøy". Below the title, there is a paragraph explaining that Oslo, Hamar, and Trondheim municipalities have created a guide for climate budgeting for municipalities and county municipalities. The guide is intended for use by all, regardless of size, resources, or progress. Below the text, there are three cards representing different parts of the guide:

- Klimabudsjettarbeid på 1-2-3-4**: A circular diagram with four icons: Rapportering/Evaluering, Ragnskap, Tiltak, and Styrende dokumenter.
- Hva er et klimabudsjett?**: A diagram showing various climate-related icons (bicycle, car, house, sun, water, wind) and a book labeled "Kommunebudsjett".
- Avgrense klimabudsjettet**: A 2x2 grid of circles representing climate budgeting for different levels of government. The top row shows "Klimatiltaksplan" with values 200 000 (2021) and 3 000 000 (2024). The bottom row shows "Direkte utgifter" with values 2 000 (2021) and 500 000 (2024). The columns are labeled "Virksomhet" and "Kommune".

KLIMASATS: national grants for local climate measures

Yearly since 2016

Municipalities, county municipalities and individual municipal enterprises can apply for grants - together or separately.

Support must be the trigger for the measures to be carried out, the municipality must contribute with its own share and applications must be politically anchored.

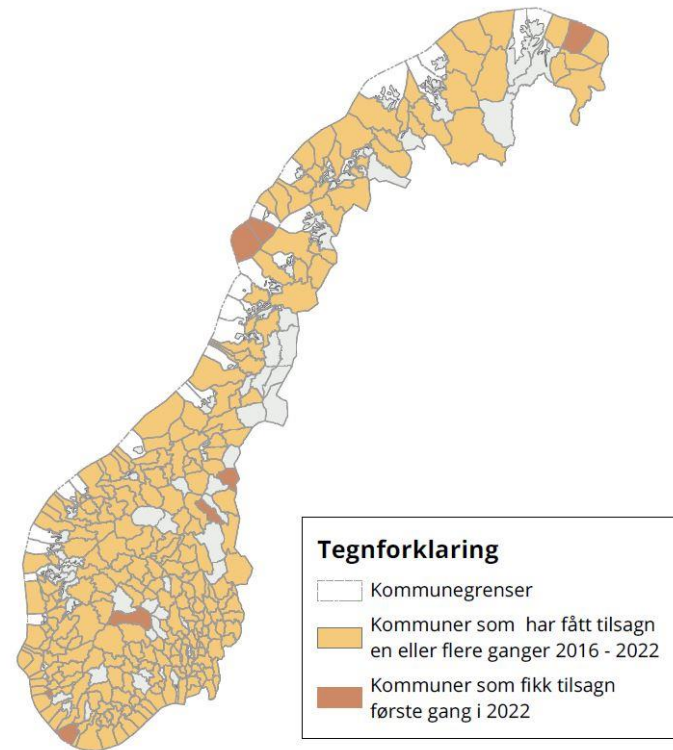
In 2024, 220 million NOK in total.

405 applications by the deadline 15 February.

Info: <https://www.miljodirektoratet.no/klimasats>

Klimasatsmidler - fordeling etter kommune

Februar 2023



MILJØPAKKEN: multi-level partnership for sustainable transport

In Trondheim, the GHG emissions from road transport account for the largest share (ca. 35%). Miljøpakken is a partnership for sustainable and effective transport in the Trondheim region, established since 2009. The main objectives are zero growth in car traffic and efficient land use.

Municipalities, county authority and state jointly invest in new infrastructure to facilitate increased biking, walking and use of public transport. This is a good example of multi-level governance.

Info: <https://miljopakken.no/>



Nudging for behavior change.

EUROPEAN UNION

EU MISSIONS

CLIMATE-NEUTRAL & SMART CITIES

Concrete solutions for our greatest challenges

#EUmissions #HorizonEU #MissionCities



Cities from every Member State



Capital cities



Small, medium, large cities

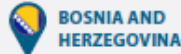


Frontrunners and less prepared cities

CITIES FROM ASSOCIATED COUNTRIES



ALBANIA
Elbasan



BOSNIA AND HERZEGOVINA
Sarajevo



ICELAND
Reykjavik



ISRAEL
Eilat



MONTENEGRO
Bodgorica



NORWAY
Oslo
Stavanger
Trondheim



TURKEY
Istanbul
Izmir

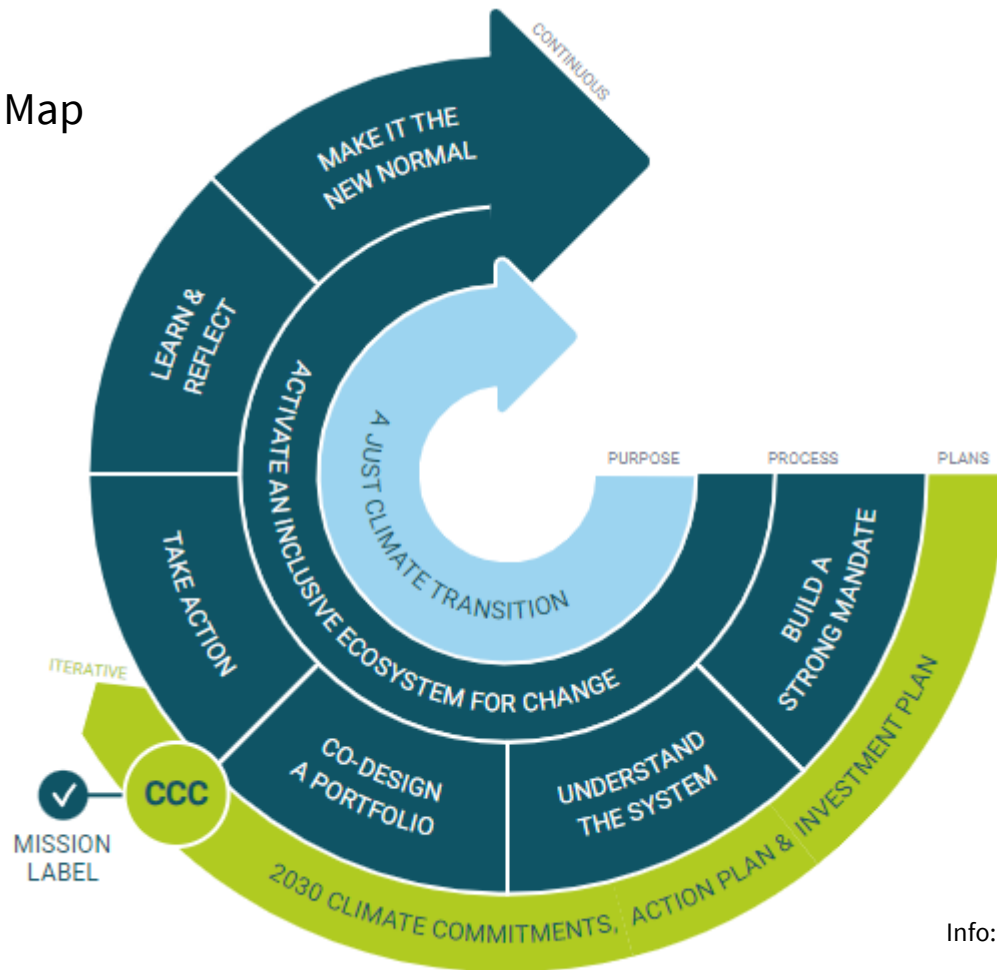


UNITED KINGDOM*
Bristol
Glasgow

EU CITIES

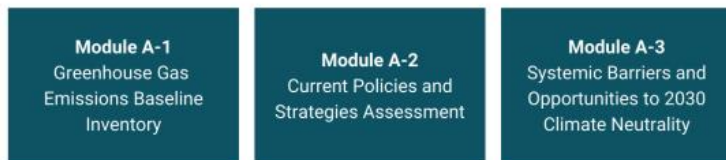


NetZeroCities Climate Transition Map



Info: <https://netzerocities.eu/>

Part A - Current State of Climate Action



Part B - Pathways towards Climate Neutrality by 2030



Part C - Enabling Climate Neutrality by 2030



Figure 1: Modular Outline of 2030 Climate Neutrality Action Plan template

Actions

Climate City Contract

Inspired by the Swedish Viable Cities programme

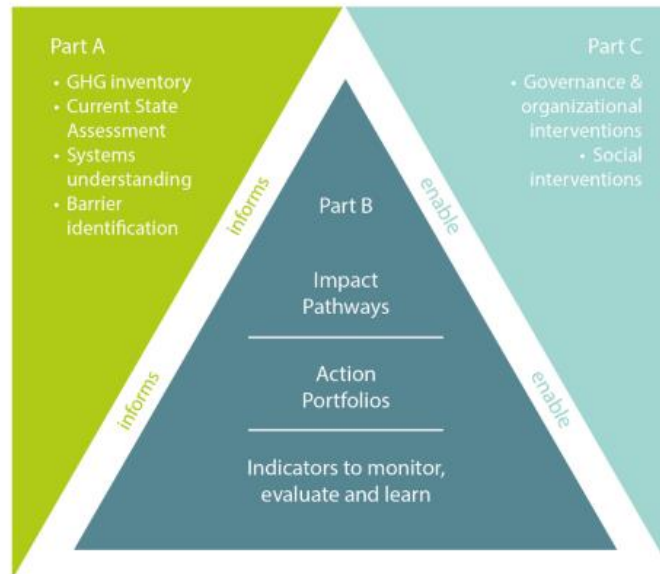


Figure 2: Schematic overview of contents and relationship of the different Parts in the CCC Action Plan3



This Is Not One-Size-Fits-All

Actors

Climate Transition Team

There is no one set model to establish a Transition Team. The exact form, members and specific responsibilities will vary city by city, but it is essential that the team is in a position to enable rapid, focused action by the local ecosystem in the long term, beyond the support of the NetZeroCities. This means that a Transition Team **sits at the heart of the coalition of actors they orchestrate, closely connected to the city government**. It also requires tools to understand the diverse local ecosystem, and such tools will be made available via the NetZeroCities portal.

The exact organisational form of a Transition Team will vary city by city. It is a highly-contextual, local choice on which model is best. To guide this choice, we offer several examples below of what a Transition Team could look like - although this is by no means an exhaustive list.

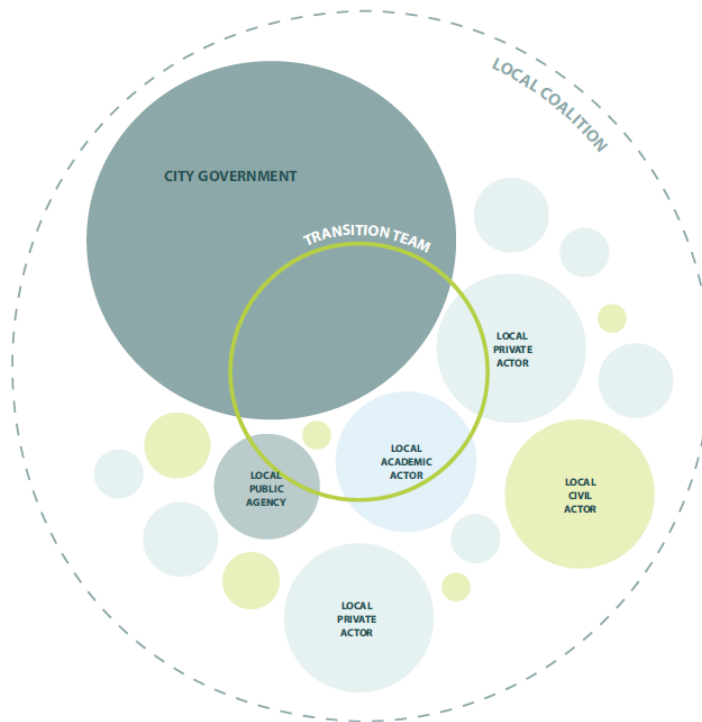


Figure 1. Illustrative Transition team set-up.



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Thank you! | Tusen takk!

