



TRONDHEIM MUNICIPALITY

Iceland
Liechtenstein
Norway grants

The Municipal Climate Plan in Trondheim as a driver for system innovation



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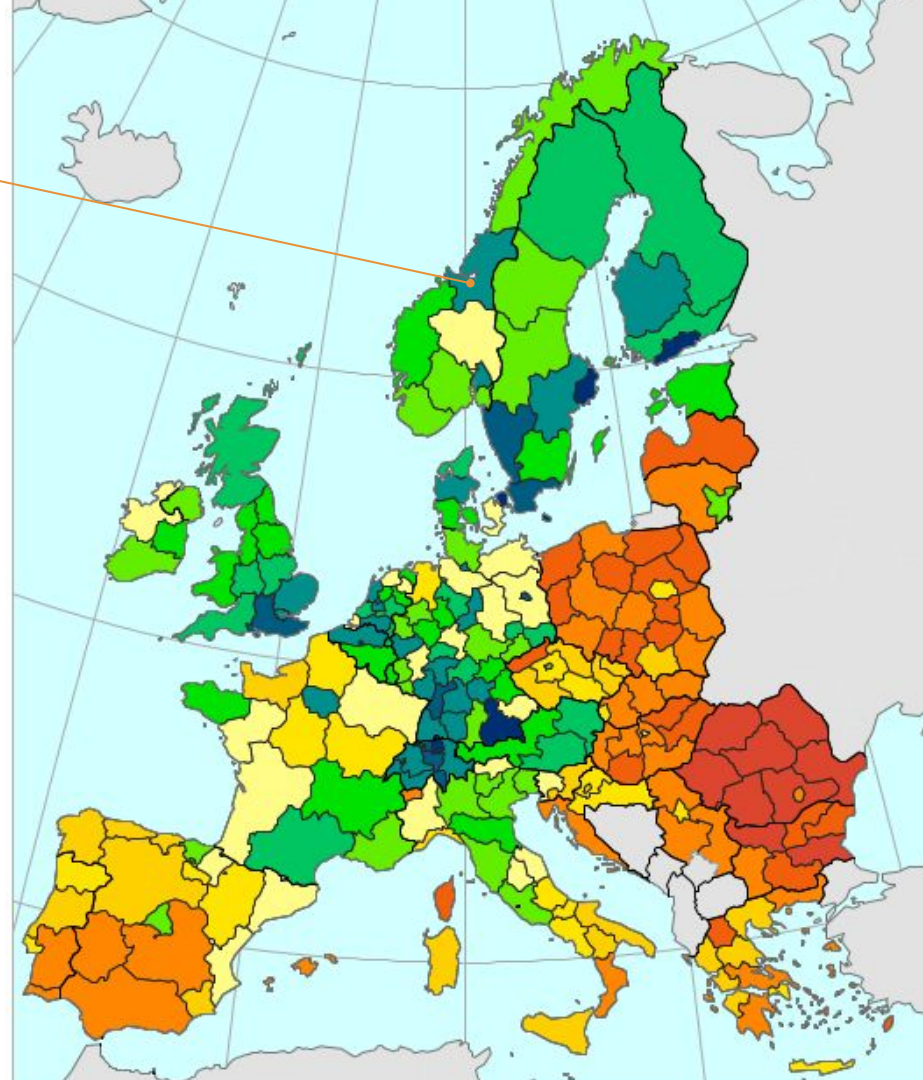
08.03.2022
Greenstorming webinar - Estonia

The City of Trondheim

- ★ Third largest city in Norway
Size: 517 km² | Population: 206,000
- ★ **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 2021.



The roles of a Norwegian municipality

1. Administrator of law and regulations
2. Service provider (education, health care, technical services++)
3. Society developer

Municipal mandates: plans and strategies

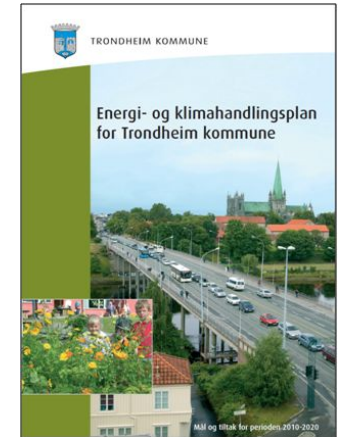
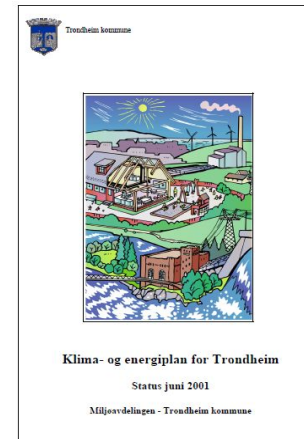
- ❖ Master Plan - societal planning (KPS)
- ❖ Master Plan - spatial planning (KPA)
- ❖ Overview of plans and strategies (planstrategi)
- ❖ Political decisions (vedtak)
- ❖ Annual plan with budget (HØP)



The Municipal Climate Plan:

The policy instrument to address the wicked problem and propose (a set of) wicked solutions?

- ❖ Three generations: 2001, 2010, 2017
- ❖ The scope covers both the City of Trondheim and the organizational operations of Trondheim Municipality.
- ❖ Both quantitative (reduction of direction GHG emissions and energy consumption) and qualitative goals (green value creation and technology development)

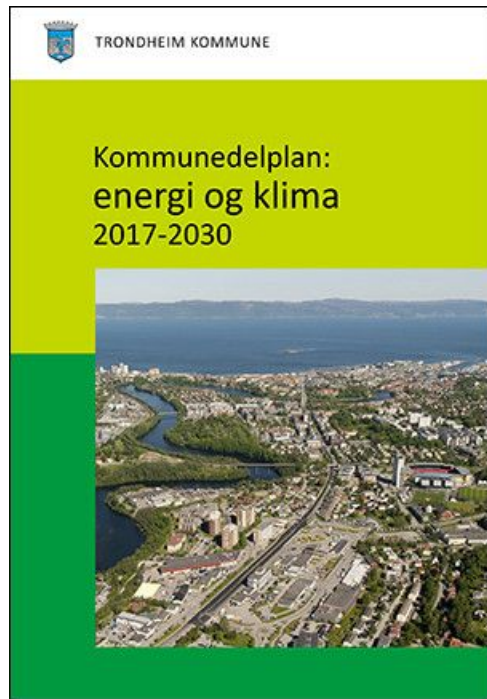


Scopes of greenhouse gas (GHG) emissions



Municipal Energy and Climate Plan

connected to ISO14001 certification

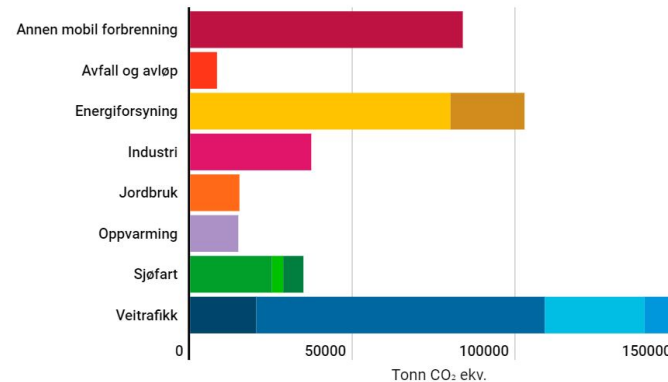
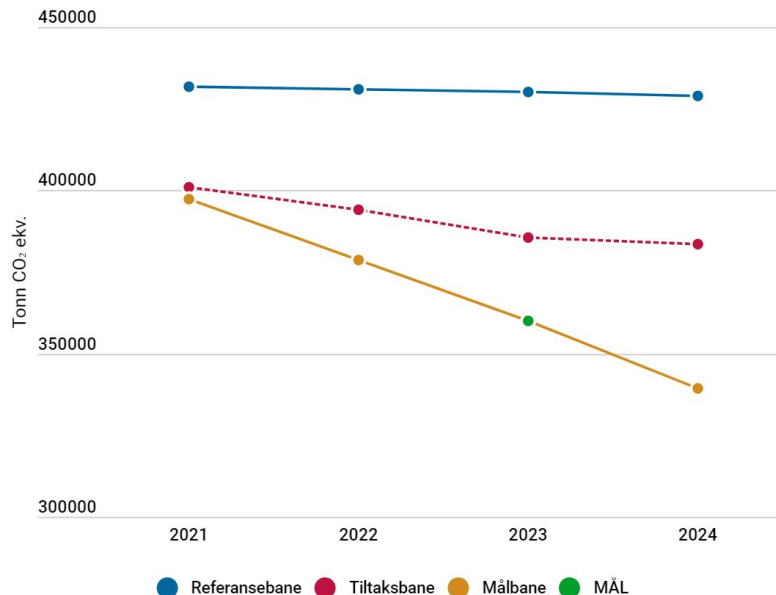


The goal of **80% reduction of direct GHG emission by 2030** identified as the overall environmental objective.

- Production and distribution of energy
- Spatial planning and transport
- Buildings and construction
- Consumption and waste
- Business, technology and the green transition
- Climate adaptation

Climate budget

a dedicated chapter in annual municipal budget

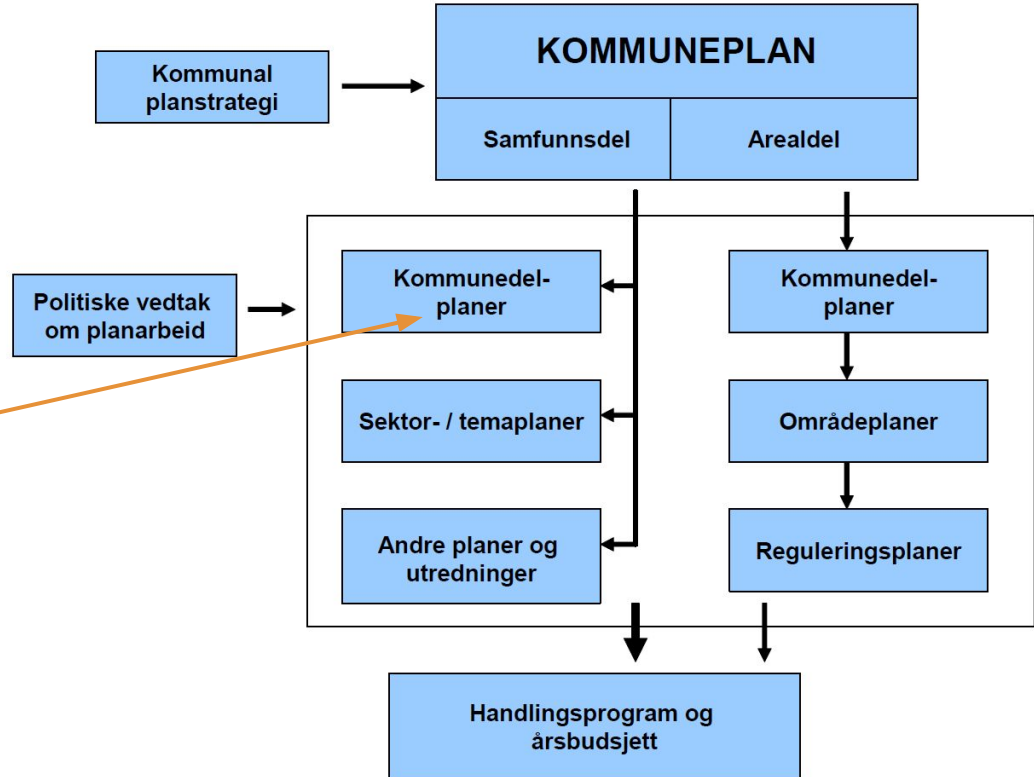
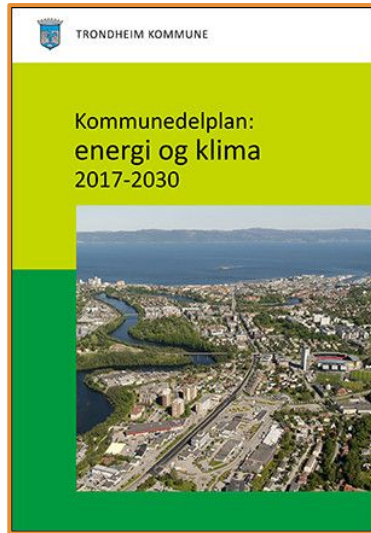


Om området

- 453.000**
tonn CO₂ekvivalenter klimagassutslipp i Trondheim og Kl bu i 2018
- 240.000**
tonn CO₂ekvivalenter klimagassutslipp fra vei, trafikk, anleggsmaskiner med mer
- 155.000**
tonn CO₂ekvivalenter klimagassutslipp fra energi, bygg og industri
- 100.000**
tonn CO₂ekvivalenter klimagassutslipp i 2030 hvis vi n r m let i klimaplanen



Coherent policy mix?!



Team Climate

1. **Enlargement:** The number of employees in the Section of “Climate and Society” responsible for the Municipal Climate Plan has grown from 4 in 2016 to approx. 15 in 2021.
2. **The extended climate arms:** Some staff is co-located at other departments, ex: procurement & property management, for coordination of joint actions.
3. **External funding to climate-related project positions:** Applications to national programs such as Klimasats.



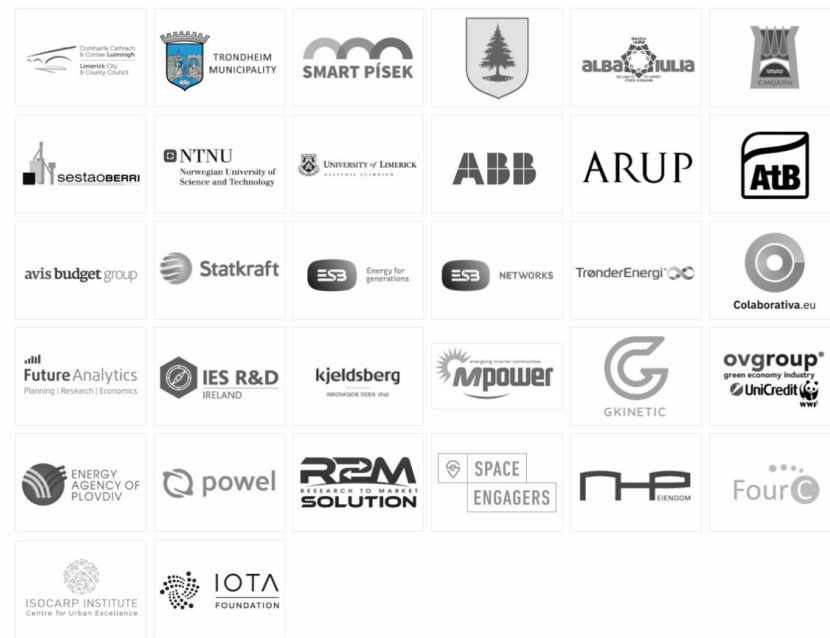
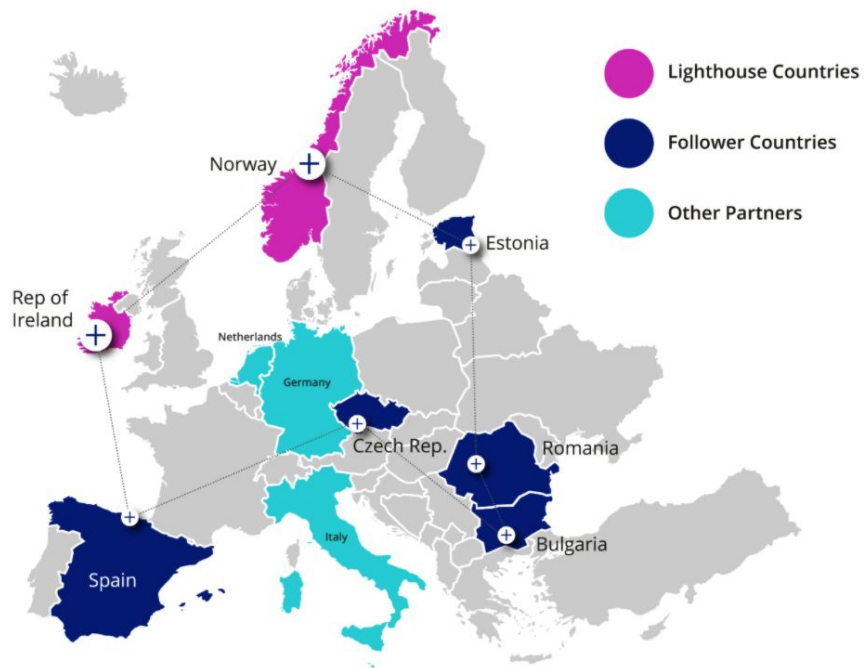
Strategic partnerships for competence building

- ❖ **University City TRD3.0** - a partnership agreement with NTNU for long-term access to talent and innovation
- ❖ Partnerships on **Sustainable Value Creation**
 - EU-project +CityxChange
 - Sustainability Centre
 - National projects “Roadmap for Green Competitiveness in Norwegian Municipalities and Regions” (NFR) and “Green Public Finance” (Klimasats)
- ❖ Growing emphasis on **citizen engagement**



EU-project “Positive City Exchange”

2 lighthouse cities, 5 follower cities, 32 partners



Trondheim Tech Port *world-class innovation district*



Citizen engagement!!



Tusen takk!
Tänan teid väga!

