

# Climate City Contract 2030

Between the Municipality of Umeå, five Swedish Government Agencies: the Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport administration, and the strategic innovation programme Viable Cities

**VERSION 2021**



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# 1. The purpose of Climate City Contract 2030

The purpose of this Climate City Contract is to accelerate the pace of the climate transition in Swedish cities up to 2030 within the framework of Agenda 2030, while at the same time contribute to the recovery of the Swedish economy from the COVID-19 pandemic. The Climate City Contract states the commitments of the parties to increase the ambition in sustainable urban development and climate transition. The Climate City Contract also provides Sweden and Swedish cities with good preconditions to become international forerunners in the climate transition of cities. This is to be achieved through mutual, long-term commitments on the efforts of the signatory government agencies, the innovation programme Viable Cities and the municipal government in accordance with the following.

## 2. Parties

The parties to Climate City Contract 2030 are:

- Umeå Municipality;
- government agencies the Swedish Energy Agency, Sweden's innovation agency Vinnova, the Swedish Government's research council for sustainable development Formas, the Swedish Agency for Economic and Regional Growth, and the Swedish Transport Administration; and
- the Viable Cities strategic innovation programme.

## 3. Municipal Commitments

Umeå Municipality intends to be a pioneer in the transition to climate-neutral cities and municipalities - with a good life for all within planetary boundaries. As a part of that, Umeå Municipality shall

- become a climate-neutral municipal group by 2025 by implementing the group's action program for climate goals.
- gather strength for climate change together with industry, civil society and academia by coordinating and operating the Umeå climate roadmap
- support the green industrial transition through cooperation with industry and academia
- create resilience throughout the region by establishing Umeå as a hub for innovation around sustainable and equal urban planning
- strengthen Umeå as a logistics and energy hub in the region by enabling sustainable transport and logistics solutions



- apply to become one of the cities in the EU mission - 100 climate-neutral cities by 2030 in Europe.

### 3.1. Municipal Climate Goals

Umeå municipality has established environmental goals that were decided in February 2020 by a broad majority in the Municipal Council. The climate-related environmental goals for the Umeå Municipal Group are:

- Umeå's consumption-based climate impact will decrease to 2 tonnes of CO<sub>2</sub>equivalent per person by 2040 and 1 tonne by 2050.
- Umeå must be climate neutral<sup>1</sup>2040, i.e. have net zero emissions of greenhouse gases.
- Umeå Municipal Group must be climate neutral in 2025, i.e. have net zero emissions of greenhouse gases
- The climate impact of transport in Umeå will be reduced. This is to be done by ensuring that the fuels are fossil-free by 2030 and that sustainable travel is increased.
- In 2025, at least 65 per cent of all trips will be by public transport, bicycle or on foot in the urban area of Umeå.

In 2021, the Umeå Municipal Group has developed a first action program to specify which measures are to be prioritised to reduce greenhouse gas emissions during the period 2022–2025. The Municipal Council is expected to decide on the action programme in the spring of 2022. The municipality has also worked with Umeå's climate roadmap - measures and organisation for Umeå's climate transition. Within the Umeå climate roadmap, the municipality will work together with other actors in Umeå to reduce climate emissions and take responsibility for Umeå's part of the implementation of the Paris Agreement.

### 3.2. Strategy

The growth of Umeå will be achieved with social, ecological, cultural and economic sustainability, with a vision of a population of 200,000 in 2050. This has been concretised with three overall objectives:

- Umeå will be climate neutral by 2040.
- Umeå will grow sustainably without any vulnerable areas.

<sup>1</sup> According to national climate targets. The rate of reduction shall be in such a way that Umeå Municipality's emission quota is not exceeded. The emission quota is based on the Paris Agreement and is calculated on the basis of the best available research. Climate-neutral Umeå means that by 2040, Umeå will have no net emissions of greenhouse gases into the atmosphere. The target means that greenhouse gas emissions from Umeå will be at least 85 per cent lower in 2040 than in 1990.



- Umeå Municipality must create conditions for women and men to have the same power to shape society as well as their own lives.

To achieve the vision and the overall objectives, Umeå Municipality's planning is based on the overview plan with associated specialisations. The overview plan provides an integrated strategy that enables climate transition, climate adaptation and social sustainability to create a uniform urban planning for the whole of Umeå. The system perspective lays the foundation for collaboration, where solutions for resource efficiency, energy supply, sustainable mobility, recycling, digitalisation and social sustainability must be woven together.

To achieve sustainable growth and climate goals, Umeå's work with social and cultural sustainability is central to the urban planning process. As the city grows, it is important to continuously take advantage of qualities and safeguard the importance of local identity and social capital. Umeå Municipality has carried out a unique survey through extensive district dialogues that have provided a broad knowledge base to continue to strengthen the districts based on the needs of the residents.

Umeå municipality plans for a city that is cohesive, with a proximity principle that provides the conditions for service, sustainable travel and high satisfaction. The conditions for social sustainability are created by actively working with mixed types of housing and forms of tenure. New districts are being planned to enable a sustainable lifestyle and existing districts are being supplemented with new functions and services. It is in the districts that planning, strategies and objectives are concretised in the form of, for example, technical solutions and social innovations but when investment plans and business models take shape, we do not only look at the individual solution or the district. Then we have the whole city in our view.

### 3.3. Organisation and Management

Achieving the climate goals requires management and control that can prioritise and follow up the work in an effective way. During 2021, Umeå Municipality has decided on new guidelines for activating governance that will provide adjustment capacity throughout the organisation. The Municipal Council has clarified responsibilities in the Planning Prerequisites for 2022 and the plan for 2023–2025<sup>2</sup> for the implementation of the goal Climate Neutral Umeå 2040 and decided that the municipality shall form a programme for the objective.

A programme functions as a concretisation and framing of the goal and includes new or existing plans, strategies, projects, additional assignments, collaboration agreements and other agreements that are essential to achieve the goal. The program will ensure that the entire organisation, including the municipal-owned companies, jointly steer toward achieving climate targets.

At the same time, the municipality also formulates programme descriptions for digitalisation, social sustainability and growth, which creates a common adaptability. All programs will be adopted by the Municipal Council in 2022.

<sup>2</sup> Programme management consists of Innovation and Administration Director (programme manager), Urban Planning Director, Technical Director, Business Manager, Planning Manager, CEO UKF, CEO Umeå Energi, CEO VAKIN, CEO Bostaden



### 3.4. Collaboration with Industry, Academia and Citizens

During 2021, the Umeå Climate Roadmap - measures and organisation for Umeå's climate transition have taken shape in collaboration with industry, the public sector, civil society and academia.

Umeå's climate roadmap is a common effort for Umeå's climate transition, which enables common priorities and new collaborations. Players in Umeå can channel their commitments in the roadmap. To gather strength around the road map, Umeå Municipality is developing various support functions, such as innovation teams and follow-up tools that are developed jointly within the Climate Neutral Umeå 2030 initiative.

In Umeå, there are several existing innovation platforms<sup>3</sup> and investments in civic engagement that are linked to the work. Umeå Municipality places special focus on the development of Umecom's citizen workshop, a community where players in the city come together to be part of solving societal challenges.

The company has a strong community life and a large proportion of its residents are involved in one or more associations. Umeå municipality has for several years worked with the concept Miljöskjutsen where associations can apply for funding to implement activities that promote climate neutrality and Agenda 2030. The work will be further developed in 2022 to enable greater collaboration with Umeå's associations in climate transition.

The Umeå Municipal Group has initiated and is part of several initiatives to enable climate transition together with industry, civil society and academia. For example:

- Strategic partnerships between Umeå Municipality, Umeå University, SLU and RISE, where sustainable urban planning and climate neutrality are key elements. The partnerships form new innovation projects to contribute to climate transition and are an important part of Umeå's transition function.
- Networking and advice: Umeå Municipality has a long tradition of networking and councils to enable cooperation with various players, such as the network for sustainable construction and management in cold climates, the network for food and climate in the north, the Industry Council and Biofuel Region.
- Logistical hub: Major investments are being made in the port of Umeå, the railway and fossil-free flights, which will enable the transfer to sustainable transport solutions in the region.
- Green industry in the Umeå region: The Umeå Municipal Group collaborates with the established industry in several major investments in climate neutrality. In addition, Umeå Municipality is preparing industrial ground to enable new sustainable establishments. To enable industrial transition, there is a broad collaboration with Umeå University, SLU and RISE, which contributes with the supply of skills, innovation and new knowledge in, for example, AI and digitalisation.

<sup>3</sup>Social Progress Innovation Sweden (SPIS), Digital Impact North, North Sweden Cleantech, Climate Neutral Umeå 2030, an others.



Circular economy: The Umeå Municipal Group collaborates widely with industry, the university and civil society for circular solutions. One example is RE: Umeå, where several players are collaborating to establish a circular shopping mall in Umeå. There is also a great ambition for working with industries in Umeå linked to residual flows.

### **3.5. Climate Investment Plan**

In the work on the action program for the climate goals, the Umeå Municipal Group has carried out an initial cost and impact assessment of the proposed measures. It enables the organisation to prioritise the measures that have the greatest environmental and climate impact on the financial investment.

Umeå Municipality has participated in national development projects for climate investment plans in 2021. The method development needs to be continued during 2022 in cooperation with others in the public sector, industry and academia, both locally in Umeå and nationally.

Climate investment plans create the conditions for developing common and long-term road maps with an economic perspective. The basis for decisions is made better by showing the climate benefits and climate effects of planned investments. There is also a need to be able to demonstrate added value of the climate transition and how investments contribute to other sustainability targets.

### **3.6. Digital Support for Implementation**

Umeå Municipality's prerequisites for how digitalisation should best support the implementation of the Climate City Contract are in good agreement with the three orientations formulated in the strategy for digitalisation and digital tools that Viable Cities has established. By building a basic capacity for digitalisation, conditions are created for developing initiatives that are in line with Umeå's climate work. The activities that are expected to provide the greatest benefit to Umeå and which will be in focus during 2022 are described below:

- Umeå uses the digital tool ClimateOS for follow-up and visualisation of emission data and measures. In 2022, Umeå Municipality will continue to develop the tool and the work of visually and externally visualising and following up climate transition.
- A prerequisite for business development with digitalisation is that we can certainly make larger volumes of relevant information available, of the right quality. The work of structuring and classifying the city's business information continues.
- Cooperation on information sharing and data streams is crucial to achieving climate goals. Umeå Municipality continues to develop Umeå's open data platform, [opendata.umea.se](https://opendata.umea.se).
- Transport accounts for a significant part of Umeå's emissions, and is therefore an important sector to measure and follow up. In 2022, Umeå Municipality is planning to carry out a survey of travel habits with a digital tool that enables a more cost-effective analysis and a more frequent follow-up, compared with traditional surveys. Umeå municipality sees opportunities to collaborate with other municipalities in the area.





### **3.7. Innovation Hub for Climate-Neutral Municipalities**

Umeå intends to become one of the 100 climate-neutral cities in Europe within the 100 Climate Neutral and Smart Cities mission, and contribute with increased adaptability throughout the region.

The N6 initiative is a collaboration platform comprising the largest cities in northern Sweden. Umeå, Skellefteå and Östersund are included in Viable Cities while in addition Sundsvall, Luleå and Örnsköldsvik are also included. All municipalities within N6 are facing increased growth due to the large green industrial investments that are now taking place in northern Sweden and the cities complement each other well through different specialist knowledge. Through Umeå and Luleå's unique research environments and Umeå's long experience of sustainable urban development, a regional innovation force is created that enables sustainable growth and climate-neutral municipalities. Umeå also collaborates strongly with Vaasa in Finland, where climate transition is a designated area in the joint development strategy.

As the largest city in northern Sweden, Umeå can function as an innovation hub and support the work with climate-neutral cities and municipalities. In this context, Umeå's experience of participating in innovation processes, projects and networks regionally, nationally and internationally can be used. Good examples are the European Green Capital Network, ICLEI, Covenant of Mayors, URBACT as well as the experiences Umeå has as European Capital of Culture 2014 and finalist as Environmental Capital and Innovation Capital together with new initiatives such as New European Bauhaus and Designed living environment.

### **3.8. Climate Adaptation**

Umeå Municipality has a changing general planning and is working to make new specialisations for different areas in need of change. The focus is on working where the needs are greatest or making additions to an issue that is not sufficiently addressed. Climate adaptation is an integral part of the overview plan and its related deepening and strategies.

However, Umeå Municipality has a need to strengthen the connection and coordination between measures for climate adaptation and the transition to climate neutrality. Climate security is a growing area that requires more focus in a climate of change and where extreme weather becomes more common. It is important that the measures support each other and other strategic objectives. It can be anything from climate-adapting buildings, to city trees and green spaces that can contribute to a socially sustainable city, climate neutrality and climate adaptation at the same time.

### **3.9. Climate-smart Mobility**

More than half of the climate emissions in Umeå come from the area of travel and transport. It is therefore central to transition to achieve the climate goals. Through studies and test beds, Umeå Municipality has created a knowledge base about gender, socio-economics, geographical differences, norms and values related to mobility. This knowledge is valuable in order to achieve permanently changed travel habits and create a sustainable mobility system throughout Umeå.



Umeå municipality has long worked for a more efficient and climate-smart mobility system. The overview plan and its integrated traffic strategy steer toward urban planning where sustainable modes of transport are prioritised. Umeå Municipality is based on six development strategies for a city that is cohesive and where growth takes place within a five-kilometre radius. It creates conditions for the sustainable modes of transport (bus, bicycle, pedestrian) at the same time as former motorway routes through central Umeå can be converted into city streets.

The transition to climate-smart mobility can only take place in collaboration with Umeå's players and residents and is therefore a central part of Umeå's climate roadmap. Umeå Municipality continues to develop its work with climate-smart mobility based on three roles:

**Producer** - continue to enable and develop an attractive and fossil-free public transport, build and maintain streets and cycle paths and logistics nodes for rail and maritime transshipment.

**Consumer** - set sustainability requirements in the Umeå Municipal Group's own purchases and procurements of cars, work vehicles, mobility services and contracts

**Facilitator** - support Umeå's players and residents through knowledge dissemination, network building, and behavioural influence to promote sustainable mobility.

To increase the pace of transition for sustainable travel, Umeå municipality will develop a mobility norm, a so-called green itinerary. With an understanding of power, gender and identity as a starting point, the municipality conducts service design studies on sustainable travel to male-dominated workplace areas.

Umeå's geographical location, the export-intensive business community and advanced research at the three universities are important aspects when it comes to travelling to and from the region. The Umeå region is dependent on efficient and reliable transport nationally and internationally. At the same time, Umeå has higher consumption-based emissions from aviation, than a national average. This makes climate transition for aviation an important issue. Together with Swedavia, RISE and the Biofuel region, Umeå Municipality is investigating how northern Sweden can contribute to the transition of aviation, through the project Fossil-free aviation in northern Sweden, FFFLY.

### 3.10. Reporting and Follow-up

The Umeå Municipal Group has established indicators for the climate goals, which are further specified in the action program. Climate View (ClimateOS) is used as a digital transition and follow-up tool for the whole of Umeå.<sup>4</sup> There is also a need to further develop methods for monitoring the consumption-based climate footprint in 2022.

In 2022, Umeå Municipality will conduct a municipality-wide travel habits survey, which will provide a snapshot of the goal of 65% sustainable travel by 2025.

<sup>4</sup> <https://www.climateview.global/cities/sweden/umea>



## 4. Viable Cities' commitments

The innovation programme Viable Cities is implemented in a broad collaboration in order to contribute to the transition to climate-neutral cities by 2030 as Sweden's commitments to meet the sustainable development goals (SDGs) of Agenda 2030 and the aims of the Paris Agreement. This includes being international pioneers of climate transition in cities.

Viable Cities works with a wide range of stakeholders across disciplinary boundaries, industries and societal sectors. The programme connects centres of research excellence with large, small and medium-sized enterprises in a range of industries, as well as with public-sector and civil society organisations. Viable Cities works with 23 Swedish cities and five government agencies who make commitments in and drive the development of Climate City Contract 2030 and facilitate collaboration between the parties.

Within the framework of Viable Cities' strategic innovation role, the programme shall strive to achieve the following:

### 4.1. Better regulation

Viable Cities intends to create competence support with policy labs to provide the municipality with a better overview of current and proposed Swedish and European legislation, regulation and standards of relevance to the cities' climate transition. This includes process support for changing regulations and standards to facilitate the climate transition in practice. In the initial phase, this will be linked to work to develop system demonstrators (cf. Section 6).

A further ambition is to contribute to the Swedish Government's commission of inquiry Experimental Activities in Municipalities and Regions<sup>5</sup>, among other things with the intention of facilitating climate transition.

### 4.2. Innovation

In order to make it easier for the municipality to implement innovations that can accelerate the pace of climate transition, Viable Cities will provide a competence network and process support, including by engaging other strategic innovation programmes in the ongoing development of Climate City Contract 2030, particularly in the areas of mobility, energy, built environment, the circular economy, health and digitalisation.

Based on the collaboration agreement on climate-smart mobility signed with the strategic innovation programme Drive Sweden, this area of collaboration will be further developed with both cities and government agencies, not least the Swedish Transport Administration.

<sup>5</sup> [Committee of inquiry directive on the Government Offices of Sweden website](#) [in Swedish]



### 4.3. Coordinated funding

Viable Cities will work in the following ways to support the needs of the municipality for funding the climate transition and to promote collaboration and synergies between government agencies and other stakeholders that fund climate transition and sustainable urban development.

- Viable Cities shall continue to work with Climate City Contract 2030 with the 23 cities and five government agencies involved in the programme.
- Viable Cities shall collaborate with the Swedish Agency for Economic and Regional Growth as the administrative authority for the European Regional Development Fund (ERDF) in Sweden on initiatives in the area of sustainable urban development in order to create synergies with Climate City Contract 2030.
- Through the Council for Sustainable Cities, Viable Cities has launched a collaboration to create synergies between urban climate transition grants from government agencies and Climate City Contract 2030. The agencies are currently working to coordinate the various initiatives underway in the field of sustainable urban development, cf. Section 5.3 Coordinated funding.
- Viable Cities collaborates with Kommuninvest and the European Investment Bank (EIB) among others in order to develop forms for strengthening the long-term funding of municipal climate investment plans.
- Viable Cities continues to work to develop forms for urban climate investment plans in collaboration with the cities of Malmö, Uppsala and Umeå, which act as learning cases.

### 4.4. Backing up applications for EU funding

If the municipality intends to apply for European Union funding from the European research and innovation programme Horizon Europe's new financial instrument connected to the mission of 100 Climate-Neutral and Smart Cities by 2030, Viable Cities will support the application based on the programme's role and competence.

This may, for example, involve efforts related to the European Climate City Contract or European Structural and Investment Funds, as well as specific investments relating to sustainable urban development. Viable Cities cooperates closely with the support structures built up around the EU's mission 100 Climate-Neutral and Smart Cities by 2030, both the NetZeroCities platform and a network of national nodes that may start operating during 2022.



## 5. Commitments by the government agencies

The government agencies shall contribute to the mission-driven work to transition to climate-neutral cities by 2030 and provide a framework for collaboration through the strategic innovation programme Viable Cities.

The agencies undertake to continue joint efforts to support the municipality's climate transition in the following areas.

### 5.1. Collaboration on learning and regulations

It is the intention of the government agencies to create the conditions for proactive dialogue and learning regarding policy development and existing and proposed regulations on sustainable urban development and climate transition.

This work shall be based on the needs of the municipality and be conducted in the agencies' joint working group and in dialogue with the involved cities. The agencies shall participate in the strategic development work described in Section 6.

### 5.2. Research, innovation and development

Through open calls and other forms of investment, government agencies shall provide funding for research, development and system innovation to support accelerated climate transition.

Support from government agencies is targeted at various types of research, innovation, practical application and demonstration. Support shall also be provided in other forms, such as procurement and needs-owner networks.

### 5.3. Coordinated funding

The government agencies shall continuously develop the forms of coordination of the various investments underway in the field of sustainable urban development and climate transition.

Development takes place, inter alia, through strategic innovation programmes, the national research programmes for climate and sustainable social planning, the Council for Sustainable Cities, the European Regional Development Fund, and through joint communication via [hallbarstad.se](http://hallbarstad.se). Government agencies also participate in the development of climate investment plans.

### 5.4. Horizon Europe research and innovation framework programme

The government agencies shall actively support Swedish participation in Horizon Europe 2021–2027; for example, through advocacy regarding the design of calls and activities, as well as providing



information and advice to stakeholders planning to participate in applications for Horizon Europe funding. Also within the scope of this work is the European Commission's recent initiative the New European Bauhaus and the EU mission Climate-Neutral and Smart Cities. The agencies shall also participate in the partnership Driving Urban Transitions to a Sustainable Future, where calls and other activities in the field of sustainable urban development will be taking place over the coming years.

## 6. Strategic development projects 2022

The following strategic development projects will be conducted within the framework of Viable Cities during 2022: Transition Lab in collaboration with all 23 municipalities and five government agencies, with the aim of further developing the content of Climate City Contract 2030.

The work to develop climate investment plans, citizen engagement and digitalisation and digital tools conducted during 2021 will be continued as a horizontal part of development work during 2022.

### 6.1. System demonstrations

In collaboration with the involved government agencies, Viable Cities shall develop a new form of initiative to drive systems innovation for transformation in line with the mission of achieving climate-neutral cities by 2030. A system demonstration is a controlled method for testing sustainable systems transition consisting of a combination of innovative solutions in a real-world environment – and with consideration for the context in which it is intended to function.

This involves working with multiple levers of change (business models, regulation, forms of governance, behaviour, technology, etc.) based on a specific geographical environment or defined challenge area, in order to learn and build a portfolio of interventions that help to learn and change real-world systems. This is always with the aim of accelerating the climate transition in cities and co-benefits from climate transition such as improved health, more jobs and new business opportunities. It is, not least, a matter of mobilising investment and creating opportunities to scale up and disseminate the measures that prove effective in making the climate transition happen. During 2022, the work of developing system demonstrators will take place on different levels and within various frameworks: climate-neutral Swedish cities by 2030, European collaborations, and the open innovation competition the Climate Smart Cities Challenge.

### 6.2. Regional Climate Contracts

During 2022, based on the work so far on Climate City Contract 2030, Viable Cities has a separate government assignment via the Swedish Energy Agency to provide support for necessary innovation in the field of sustainable urban and societal development in the regions Norrbotten and Västerbotten. This support is targeted at the municipalities in the northernmost regions of Sweden that are affected by major industrial establishments and expansions, and is intended to support the



work of the Swedish Government's national coordinator for societal transition in Norrbotten and Västerbotten Counties.

It is also the ambition that this work to further develop Climate City Contract 2030 at a regional level will lead to new forms of collaboration that may be interesting to implement in other Swedish regions. In addition, Viable Cities, together with participating cities and government agencies, is keen to contribute to the ongoing government commission that is preparing analyses and proposals for the Government's forthcoming climate policy action plan for 2023. This includes the assignment regarding local and regional climate action plans assigned to the County Administrative Board of Uppsala with support from the Swedish Energy Agency and Swedish Environmental Protection Agency, as well as parallel assignments to Transport Analysis regarding climate impact in the transport sector and the Swedish Agency for Growth Policy Analysis on the development of trade and industry.

### **6.3. International mission for climate-neutral cities by 2030**

In October 2021, the EU launched five missions as a new and innovative approach to working together to improve the lives of people in Europe and beyond. The five missions are intended to tackle major societal challenges such as health, climate and the environment and to formulate ambitious goals and deliver solutions by 2030. One of these missions is 100 Climate-Neutral and Smart Cities by 2030 – by and for the citizens, an important element of the delivery of the European Green Deal and a climate-neutral continent by 2050. This will considerably strengthen the Swedish efforts to achieve climate-neutral cities by 2030 and to utilise Climate City Contract 2030 as a tool to do so.

During 2022, work will be done to further strengthen links between Swedish and joint European efforts to achieve climate-neutral cities by 2030. This will take place within a range of initiatives involving cities, government agencies and the Viable Cities programme; for example, NetZeroCities (a platform for the implementation of the EU mission that will be developing an EU Climate City Contract), the Driving Urban Transition partnership and New European Bauhaus.

Launched by the European Commission in January 2021, the New European Bauhaus initiative connects the European Green Deal to our built environment. In the implementation plan for the 100 Climate-Neutral and Smart Cities mission, the European Commission highlights that the EU Climate City Contract will also enable participating cities to integrate and promote the values and the principles of the New European Bauhaus initiative in their climate-neutral plan. The Swedish National Board of Housing, Building and Planning (through the Council for Sustainable Cities) has been tasked by the Government with coordinating Swedish work on New European Bauhaus.

Work on achieving climate-neutral cities by 2030 will continue to be developed globally, primarily in collaboration with UN-Habitat and the open innovation competition Climate Smart Cities Challenge, in which a long line of Swedish government agencies and other stakeholders are involved.



## 7. Joint monitoring, evaluation and updating

Viable Cities and the municipality agree to conduct an annual review of the municipality's results within the framework of Climate City Contract 2030. Viable Cities shall prepare documentation for an annual monitoring at municipal and national levels.

### 7.1. Most Important Updates for the Municipality

- New governance model for activating governance for the Umeå Municipal Group decided by the council. Program description for Climate Neutral Umeå 2040 started in 2021, for adoption in 2022.
- The Umeå Municipal Group's action program for environmental goals has been formulated in 2021, for approval in 2022.
- In close dialogue with partners within the Climate Neutral Umeå 2030 initiative and with other public actors, universities, companies and civil society, Umeå Municipality has presented the first version of the Umeå Climate Roadmap. The climate roadmap is the basis of Umeå's transition function, where collaboration between Umeå's players takes place.
- The collaboration form of civic engagement has been further developed through Umeå's innovation platform SPIS with special focus on Umecom's civic workshop and in a reference group with civil society.
- A stronger system perspective with the conditions for creating a system demonstrator in Umeå has been developed based on lessons learned from the strategic development projects for digitalisation, climate investment plans and citizen involvement.

### 7.2. Most Urgent Experiences to Share for the Municipality

- Collaboration model for civic engagement through so-called civic workshops.
- A digital climate visualisation, in ClimateOS, has been disclosed/published, which has primarily led to increased collaboration with municipal companies and civil society organisations as well as exchange of experience with other municipalities during the period.
- Open data platform: Lessons on how open data can be structured and managed as well as collaboration with other players to enable more open data.
- Communication for increased involvement in Umeå's climate transition has been developed: in the podcast Klimatekot, a number of topics have been dealt with in an easily accessible way; communication method with the help of influencers and social media has been tested within the project F/ACT Movement around sustainable clothing consumption; a climate





pledge campaign has been arranged, [www.umea.se/earthhour](http://www.umea.se/earthhour), where residents of Umeå could make climate promises to reduce their own climate emissions (the promises built after visualising in ClimateOS). Known Umeå profiles were included as attraction, e.g. the film on a locally well-known ice hockey player was seen to a large extent by the target group of young men, who are otherwise difficult to reach with environmental and climate messages.

- Concrete initiatives have been started to accelerate circular economy / create business benefits from recycling in Umeå (RE: Umeå) and recycling of construction materials in Umeå.
- Consumption-based emissions from the public sector: In 2021, Umeå Municipality began to develop a model for calculating climate emissions from consumption from the municipality's procurement. The model will be further developed in 2022.

### 7.3. Most important updates regarding Viable Cities

As of 1 October 2021, Viable Cities' effort regarding climate-neutral cities by 2030 has increased from 9 to 23 cities. Between them, the involved municipalities contain 40% of the Swedish population.

During the year, extensive work has been done to further develop Climate City Contract 2030 and the transition efforts of the cities. This has taken place in three areas: citizen engagement, digitalisation and digital tools, and climate investment plans. The involved cities and government agencies and a long line of stakeholders from the business community, academia, the public sector and civil society have been involved in all three development areas. In each of the areas, this work has resulted in publications<sup>6</sup> containing recommendations for continued work on the part of both the cities and government agencies and the Viable Cities programme.

In October 2021, the EU launched five missions<sup>7</sup> as a new and innovative approach to working together to improve the lives of people in Europe and beyond, including 100 Climate-Neutral and Smart Cities by 2030. This mission is in line with Sweden's work to implement Climate City Contract 2030 as an underpinning process. In conjunction with the launch, the European Commission published a plan for the implementation of the 100 Climate-Neutral and Smart Cities mission, including a platform for implementation called NetZeroCities to which Viable Cities is a party, including responsibility for contributing to the development of a climate contract at EU level. In November, the open innovation competition Climate Smart City Challenge was launched in collaboration with UN-Habitat and a range of government agencies and other stakeholders.

### 7.4. Most important updates regarding government agencies

During the year, government agencies have appointed an interagency innovation team tasked with the continuous development and monitoring of the agencies' commitments to Climate City Contract 2030. This innovation team consists of a working group and a management group with

<sup>6</sup> Cf. link to publications at [viablecities.se/revidering2021](http://viablecities.se/revidering2021)

<sup>7</sup> Cf. [Communication from the Commission on European Missions](#) September 2021



representatives from each agency. Together with Viable Cities' programme office, the innovation team has worked to coordinate and develop working methods, including through workshops designed to increase understanding of the needs of municipalities for mission-oriented and sustainable systemic innovation linked to Climate City Contract 2030. Agency representatives have also participated in the strategic development projects for digitalisation and digital tools, citizen engagement, and climate investment plans as members of steering committees and reference groups, as well as taking part in workshops to develop system demonstrations. From December 2021, the Swedish Transport Administration is also a signatory to Climate City Contract 2030.

Through the Council for Sustainable Cities, a pilot study has been conducted of municipalities' funding and knowledge-support needs. This pilot study will form the basis for the continued development of coordinated funding and knowledge support. The agencies have also assisted in the Swedish National Board of Housing, Building and Planning's government assignment to coordinate New European Bauhaus.

In addition to the Viable Cities call, government agencies have also undertaken various activities and calls within the framework of their individual assignments in order to contribute to the commitments in Climate City Contract 2030; for example, targeted calls for attractive, sustainable living environments, rural and regional development, the climate adaption of built environments, the climate benefits of resource efficiency, blue innovation and AI in the service of the climate. The municipalities that signed Climate City Contract 2030 in 2020 have been able to take advantage of innovation management support and work has begun to develop an offer regarding work on system demonstrations.

Government agencies have worked to influence the design of calls and activities within the framework of Horizon Europe 2021–2027. The agencies also worked actively and proactively to support the Government Offices of Sweden in its role representing Sweden on the Horizon Europe Programme Committee for Cluster 5: Climate, Energy and Mobility, as well as Sweden's work on the temporary working group appointed by the European Commission for the 100 Climate-Neutral and Smart Cities mission. Agencies have also contributed information and advice to the target groups of calls.

## 8. The Contract

The parties agree that their joint commitments as formulated above shall apply for 2022. The first version of Climate City Contract 2030 was signed in 2020. The Contract shall be updated and renewed prior to each new year.

# Climate City Contract 2030

Between the Municipality of Umeå, five Government Agencies: the Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport administration, and the strategic innovation programme Viable Cities.

**Stockholm 2021-12-08** The parties agree on the joint commitments, as formulated in the municipality of Umeå's revised Climate Contract 2030. The contract has been prepared within the framework of Viable Cities' Climate Neutral Cities 2030 initiative. The signing will take place during European Viable Cities Day on 8 December 2021.

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**Hans Lindberg**  
Mayor,  
the Municipality of Umeå

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**Olga Kordas**  
Programme director,  
Viable Cities

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**Robert Andrén**  
Director General,  
the Swedish Energy Agency

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**Darja Isaksson**  
Director General,  
Vinnova

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**Ingrid Petersson**  
Director General,  
Formas

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**Gunilla Nordlöf**  
Director General,  
the Swedish Agency for Economic  
and Regional Growth

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**Lena Erixon**  
Director General,  
the Swedish Transport  
Administration



# Annexe 1 – links to documents

Below are links to the most relevant documents in relation to the Climate City Contract 2030 for Umeå Municipality.

## Links to relevant documents

[Umeås kommun klimatkontrakt 2030 \(version 2020\)](#)

[Planeringsförutsättningar 2022 och plan 2023–2025 \(2021\)](#)

[Översiktsplan för Umeå kommun \(2018\)](#)

[Näringslivsstrategi \(2019\)](#)

[Miljöskjutsen](#)

[Åtgärdsprogram för renare luft \(2015\)](#)

[Cykeltrafikprogram \(2018\)](#)

[Fotgängarprogram \(2019\)](#)

[Umeås lokala miljömål 2020 \(2020\)](#)

[Strategisk plan för Umeå kommun 2016–2028 \(2016\)](#)

[Strategier för hållbar tillväxt](#)

[N6-initiativet](#)

[Avfallsplan Umeåregionen \(2021\)](#)

[Parkeringsprogram \(2013\)](#)

[Godstrafikprogram \(2018\)](#)

[Kollektivtrafikprogram \(2021\)](#)

Åtgärdsprogram för klimatmålen (kommande)

Umeås Klimatfärdplan (kommande)