

# Horizon Europe

## EU Framework programme for research and innovation 2021-2027

***‘Investments in research and innovation improve Europeans’ quality of life. Research and innovation accelerate the green and digital transformations that our planet needs, but also increase the competitiveness of our economies. The EU and Member States need to allocate enough resources in science, research and innovation to shape the future we want.’***

Mariya Gabriel EU Commissioner for Innovation, Research, Culture, Education and Youth

# Infomöte om EU:s uppdrag (mission) Klimatneutrala och smarta städer – hur svenska städer kan bli en av de 100 klimatneutrala städerna

26 november, 2021

# Vi som arrangerar och presenterar är:



Energimyndigheten

**Lisa Lundmark**, Programkommittéexpert Kluster 5



**Viable  
Cities**

**Albert Edman**, Internationaliseringsstrateg



**Mimmi Magnusson**, Nationell Kontaktperson Kluster 5

**Annika Strömdahl**, Nationell Kontaktperson Kluster 5



Energimyndigheten

FORMAS



Vetenskapsrådet

VINNOVA

# Länkar och kontaktuppgifter

# Länkar för mer information och intresseanmälan

- Recording of webstreaming of Launch event 25 November [Webinar recording: Launching the implementation of EU Missions and presentation of the European Commission's call for interest for the 100 Climate Neutral and Smart Cities Mission](#)
- **EC plans to organise a series of 3 webinars starting next week, focusing on the different sections of the questionnaire. Details and registration will be available online at** [https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe/climate-neutral-and-smart-cities\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe/climate-neutral-and-smart-cities_en)

# Länkar för mer information och intresseanmälan

- The Call for Expression of Interest will launch today, open until 31 January 2022. [Commission invites cities to express their interest to become part of European Mission "100 Climate-Neutral and Smart Cities by 2030" | European Commission \(europa.eu\)](#)
- Info kit for cities [https://ec.europa.eu/info/sites/default/files/research\\_and\\_innovation/funding/documents/ec\\_rtd\\_eu-mission-climate-neutral-cities-infokit.pdf](https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_eu-mission-climate-neutral-cities-infokit.pdf)
- FAQs [https://ec.europa.eu/info/sites/default/files/research\\_and\\_innovation/funding/documents/ec\\_rtd\\_eu-mission-climate-neutral-cities-faq.pdf](https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_eu-mission-climate-neutral-cities-faq.pdf)
- Factsheet [https://ec.europa.eu/info/files/eu-cities-mission-what-it-my-city-and-how-can-we-become-part-it\\_en](https://ec.europa.eu/info/files/eu-cities-mission-what-it-my-city-and-how-can-we-become-part-it_en)
- News item [https://ec.europa.eu/info/news/commission-invites-cities-express-their-interest-become-part-european-mission-100-climate-neutral-and-smart-cities-2030-2021-nov-25\\_en](https://ec.europa.eu/info/news/commission-invites-cities-express-their-interest-become-part-european-mission-100-climate-neutral-and-smart-cities-2030-2021-nov-25_en)
- Mission website, with updates about upcoming webinars: [https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe/climate-neutral-and-smart-cities\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe/climate-neutral-and-smart-cities_en)
- E-mail: [RTD-HORIZON-EUROPE-MISSION-CITIES@EC.EUROPA.EU](mailto:RTD-HORIZON-EUROPE-MISSION-CITIES@EC.EUROPA.EU)

# Våra kontaktuppgifter

## Viable Cities

Albert Edman

[100cities@viablecities.se](mailto:100cities@viablecities.se)

## European Commission

[RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu](mailto:RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu)

## Nationella kontaktpersoner

Mimmi Magnusson (Vinnova)

[Mimmi.magnusson@vinnova.se](mailto:Mimmi.magnusson@vinnova.se)

Annika Strömdahl (Vinnova)

[Annika.stromdahl@vinnova.se](mailto:Annika.stromdahl@vinnova.se)

Lisa Lundmark (Energimyndigheten)

[Lisa.lundmark@energimyndigheten.se](mailto:Lisa.lundmark@energimyndigheten.se)

# Bakgrund och innehåll för uppdraget



EUROPEAN UNION



# EU MISSIONS

**CLIMATE-NEUTRAL & SMART CITIES**

**Concrete solutions for our greatest challenges**



**#EUmissions #HorizonEU #MissionCities**



## OBJECTIVES OF THE MISSION

1

Deliver at least 100 climate-neutral and smart European cities by 2030;

2

Ensure that these cities act as experimentation and innovation hubs to put all European cities in a position to become climate-neutral by 2050.

*Actions to deliver climate neutrality will bring massive and more visible co-benefits: better air quality, less road congestion, more livable spaces*



## A NEW APPROACH TO URBAN CLIMATE ACTION

- Demand-driven and innovative process based on the needs of the cities
- Systemic change via research and innovation actions across sectors
- Multi-level governance linking local, regional, national and EU levels
- Support for accessing funding and finance on a large scale
- Citizens involved in the design and implementation of the mission



# MAIN ELEMENTS and benefits OF THE MISSION





# CALL FOR EXPRESSION OF INTEREST

Launched 25 November. Deadline 31 January 2022.

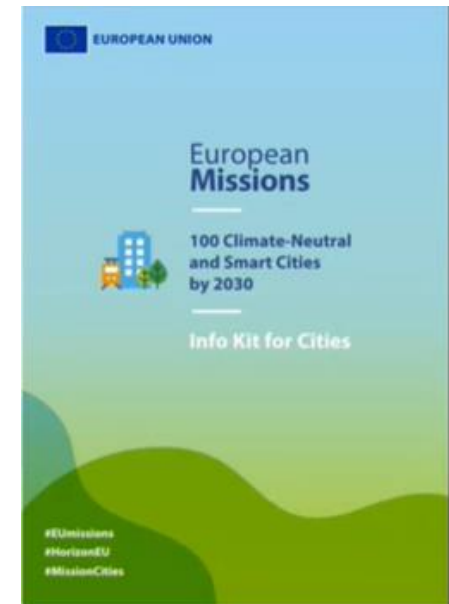
[Webinar recording: Launching the implementation of EU Missions and presentation of the European Commission's call for interest for the 100 Climate Neutral and Smart Cities Mission](#)

[Commission invites cities to express their interest to become part of European Mission "100 Climate-Neutral and Smart Cities by 2030" | European Commission \(europa.eu\)](#)

- Not a Horizon Europe call – separate procedure
- Info Kit for Cities available: [Mission Climate-Neutral and Smart Cities: Info Kit for cities now available | European Commission \(europa.eu\)](#)



[Webinar recording: The Climate-Neutral and Smart Cities Mission - webinar | European Commission \(europa.eu\)](#)



# Hänger den svenska och europeiska klimatkontraktsprocessen ihop?

Albert Edman

Internationaliseringsstrateg, Viable Cities

# Viabla Cities Internationella strategi 2020-22

## Övergripande mål

I bred samverkan (kvadrupel helix), bidra till och vid behov samordna genomförandet av det uppväxlade svenska arbetet för den globala missionen att ställa om till klimatneutrala städer 2030, med särskilt fokus på utveckling av internationella nätverk, positionering och finansiering

## Delmål

Göra svenska städer väl förberedda för att nyttja internationell strategisk finansiering genom t ex den Europeiska gröna given, Positive Energy Districts inom SET-Plan (PED), övriga delar av Horizon Europe för att påskynda omställning till klimatneutralitet.

Utifrån våra erfarenheter från Viabla Cities Transition Lab etc, ta en ledande position i arbetet som snabbar på omställningen i EU och globalt, exv genom utveckling och implementering av Climate City Contracts.

Utveckla internationella kunskapsnätverk genom omvärldsbevakning, rekrytering av strategisk kompetens och medverkan i relevanta nätverk etc. Detta för att höja kompetens och förmåga i svenska städers omställning, och bidra till förutsättningar för att främja ökad export som ger effekter på klimatomställning globalt.

## Fyra utgångspunkter

- Bygga på städernas behov, mål och visioner

- Skapa kompletterande mervärden av internationalisering för svenska städer; positionering, finansiering och nätverk

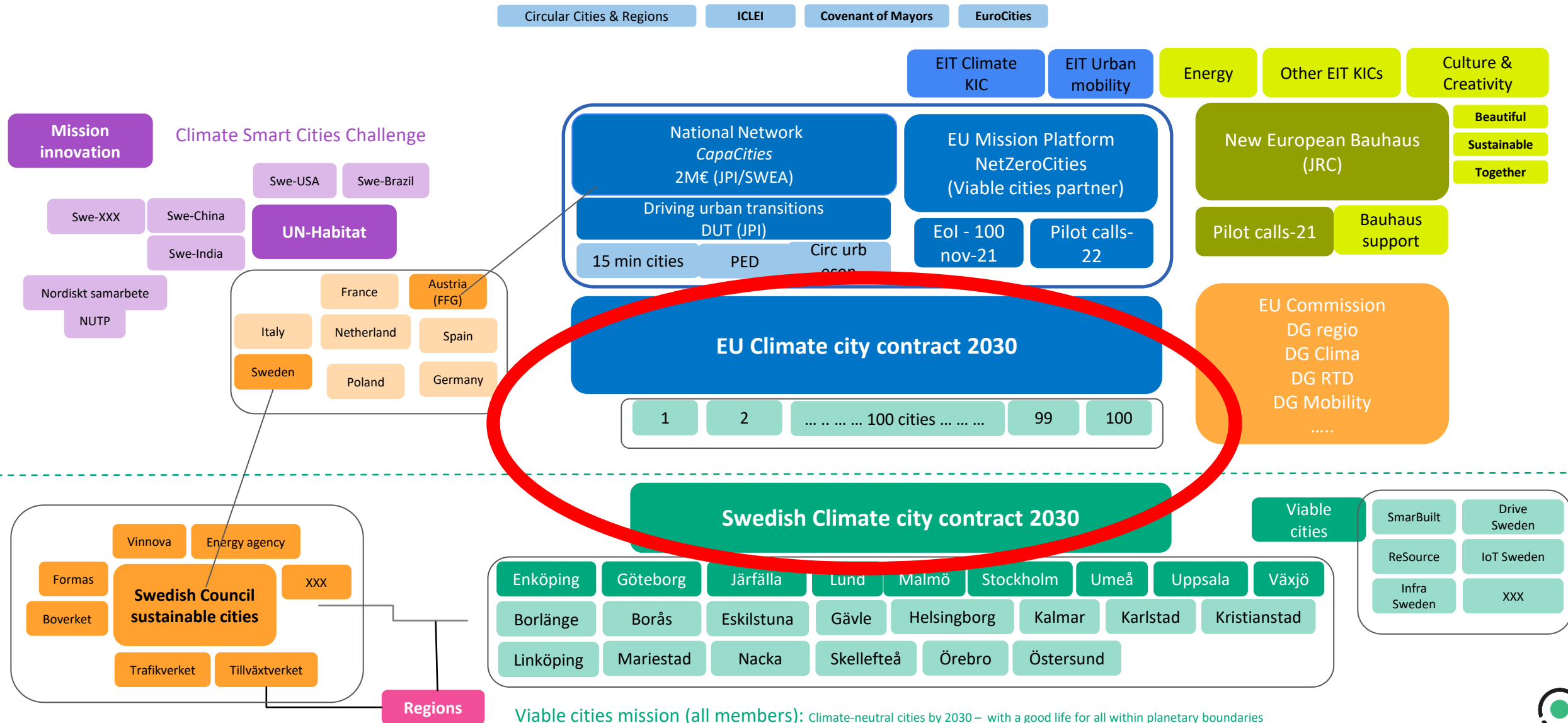
- Bygga på befintliga strukturer för utbyte och samskapande av kunskap

- Nya berättelser om det svenska erbjudandet – story-telling och andra metoder



# Sensemaking map: Viable Cities Internationalisation strategy, 2020-2022

## *including EU Mission: 100 climate-neutral cities 2030 – by and for citizens*



# 9

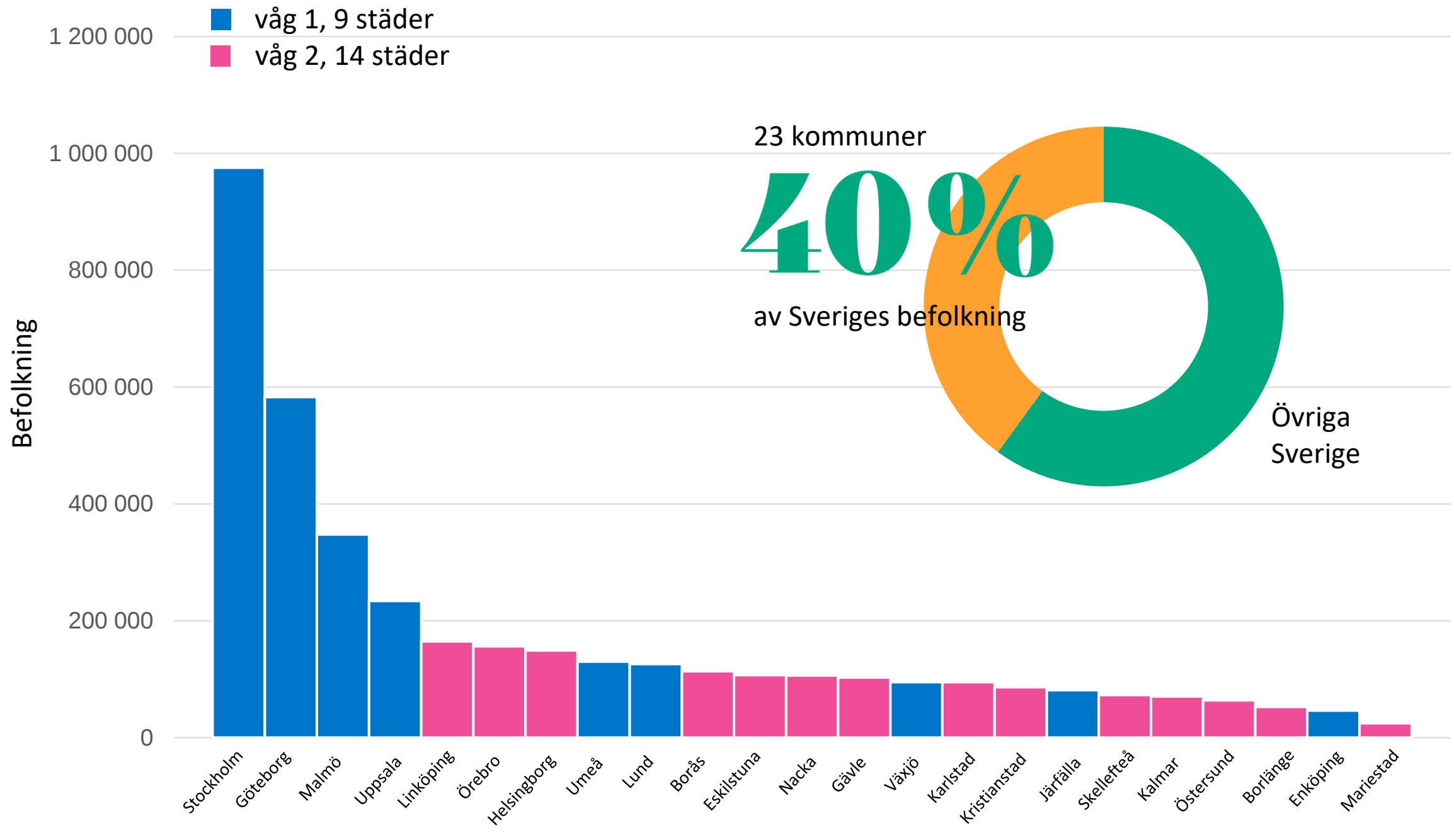


# 23



 = Våg 1  
 = Våg 2

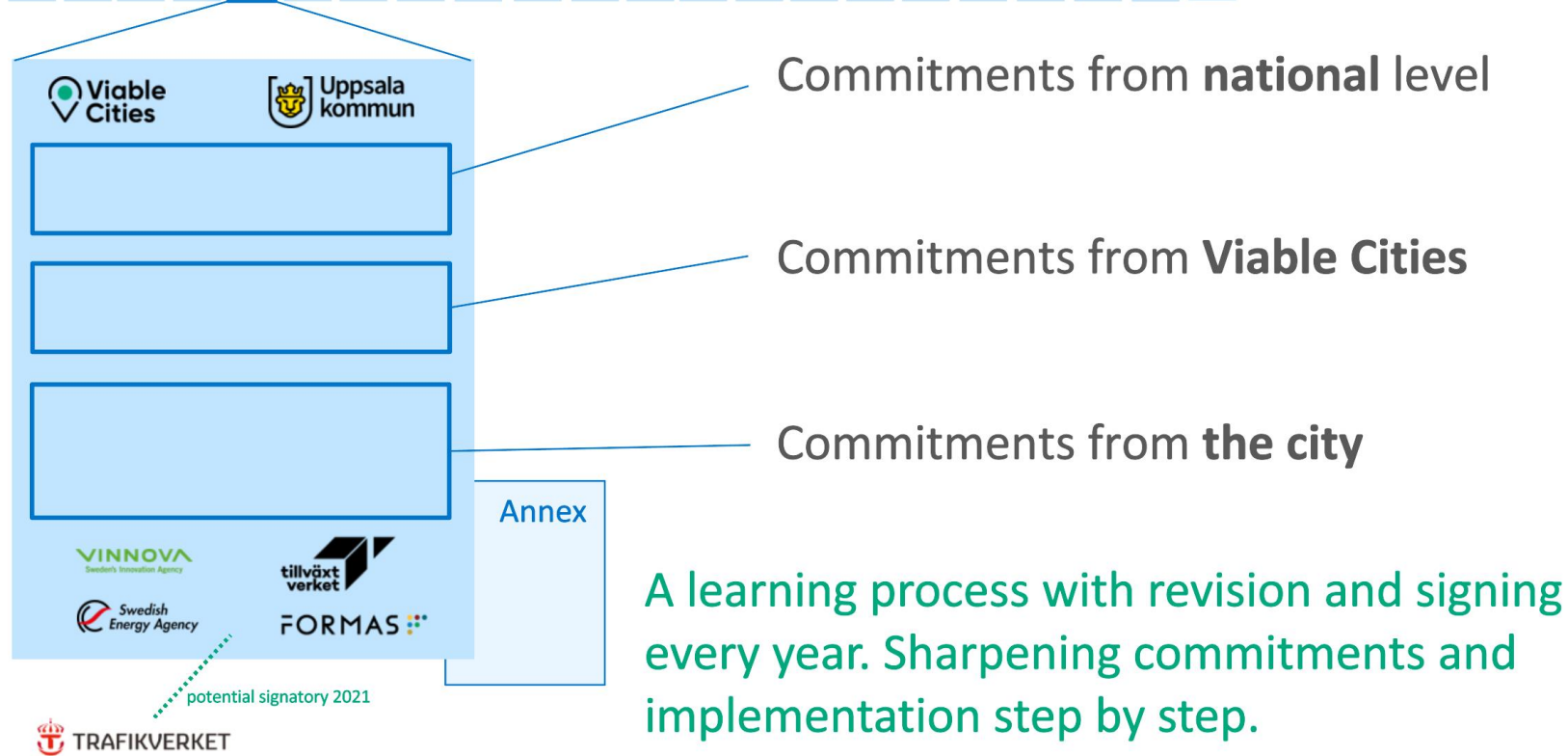




# Klimatkontrakt 2030 i Sverige

## Multi-level governance

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 23

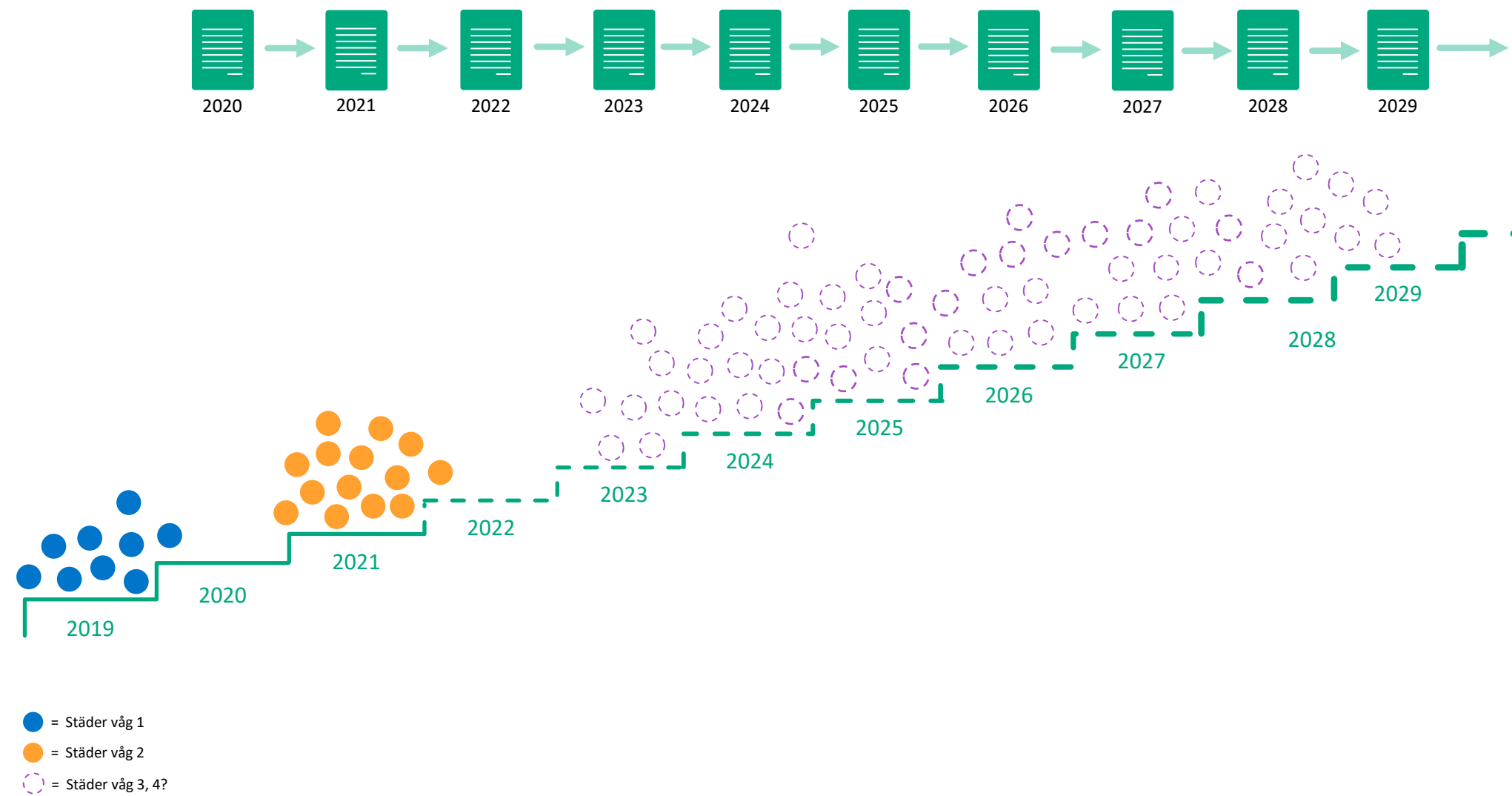


I.e., it's about co-committing! It's not just one party committing to action.

What does this look like for the Mission / NZC contract?



# Klimatkontraktet fram till 2030



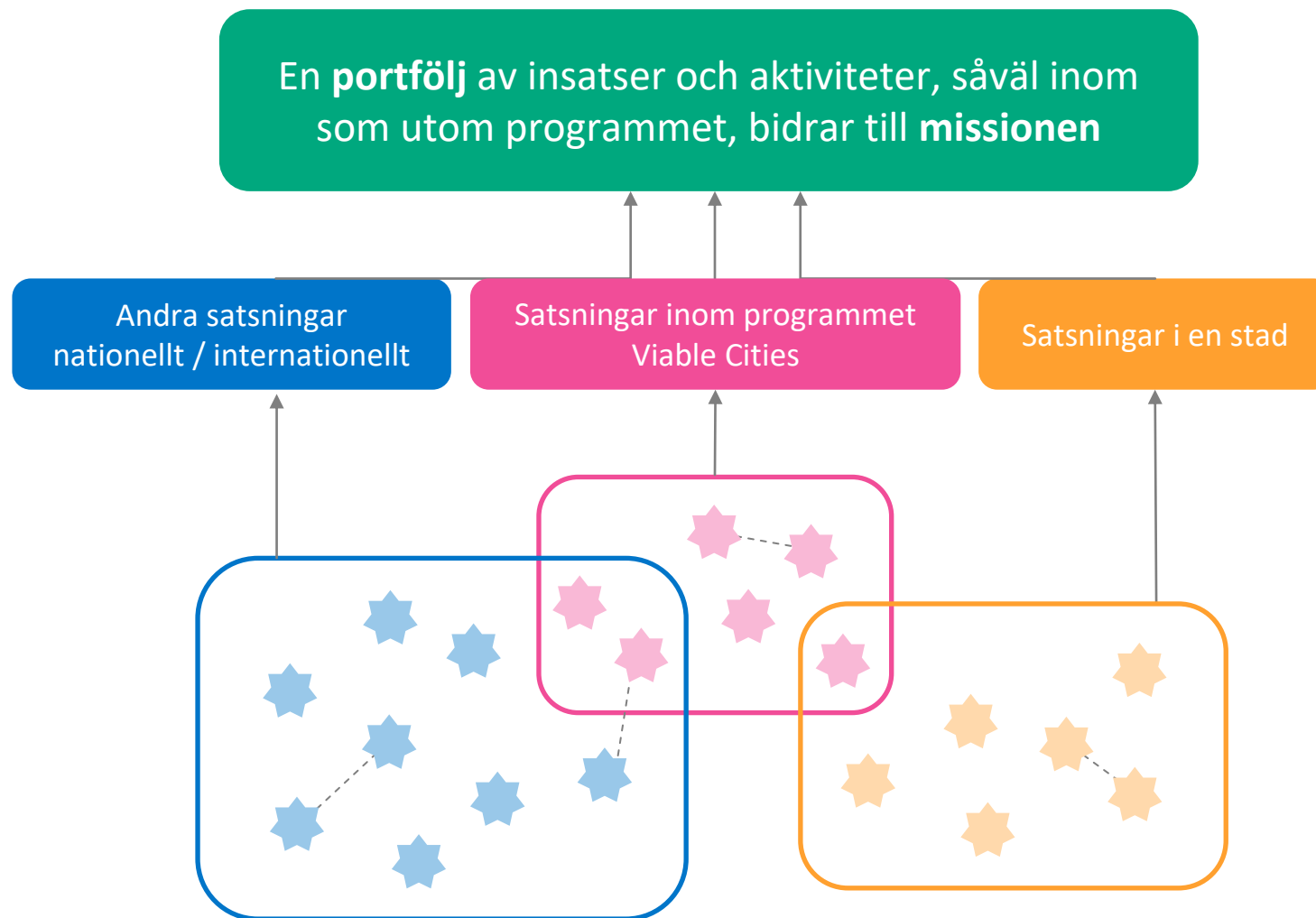
**MISSION  
2030:  
Klimat-  
neutrala  
och  
hållbara  
städer**

# En portfölj av insatser med missionen i sikte

Vi kraftsamlar genom att gå  
från fragmenterade projekt  
till ett ekosystem av insatser  
som alla drar åt samma håll

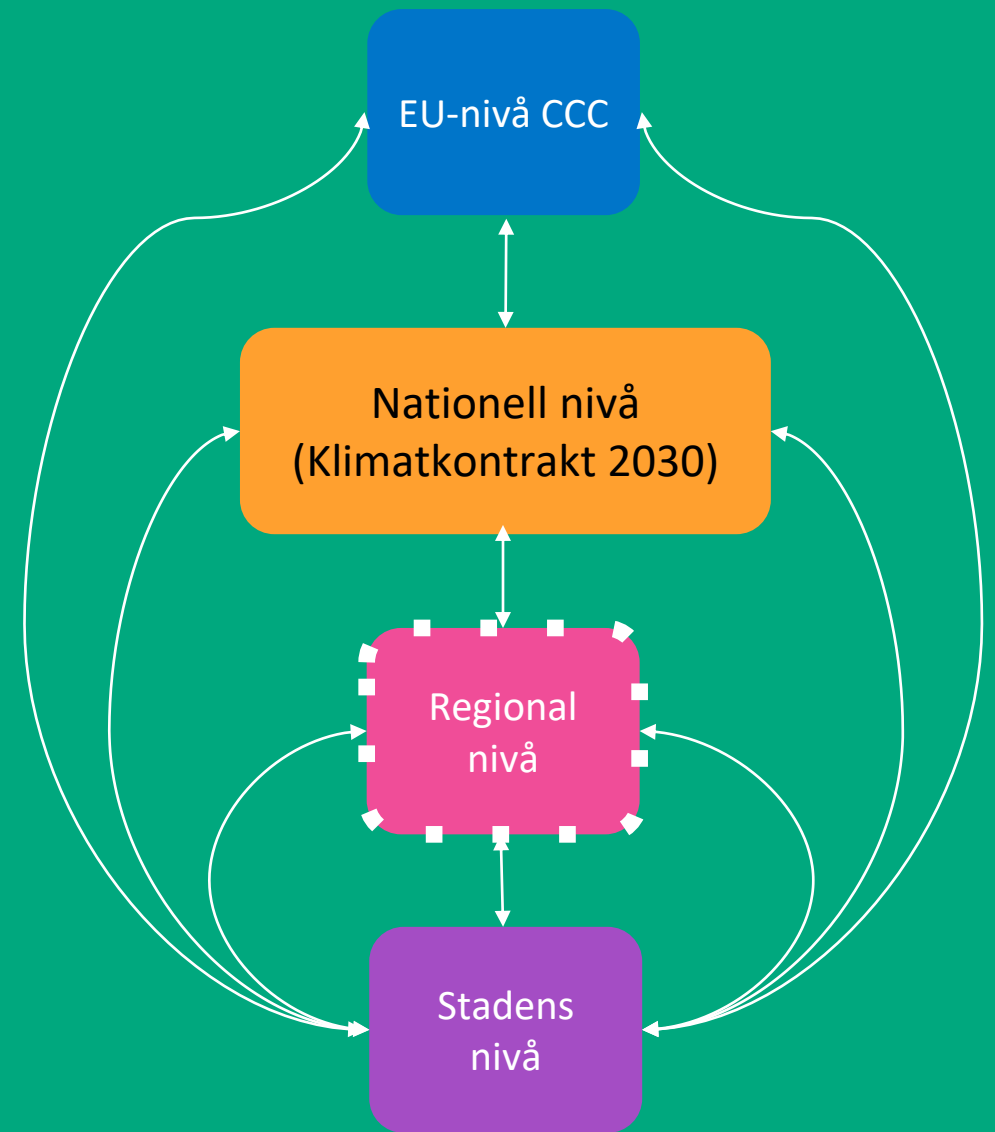


# Portfölj ersätter fragmenterade projekt



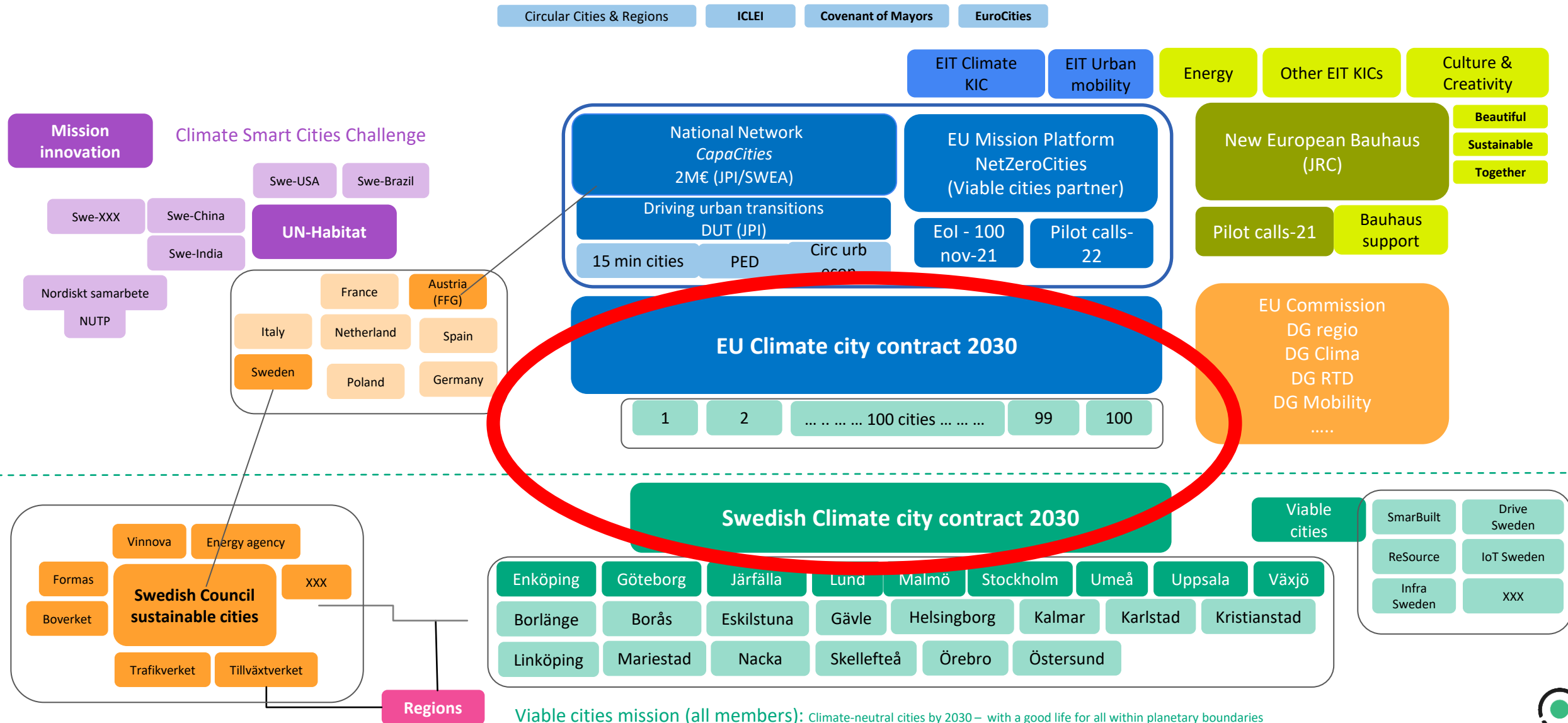
# Kaskaderande klimatkontrakt

Klimatkontrakt är helheten utifrån vilken portföljen av insatser byggs. Sker på flera nivåer samtidigt.



# Sensemaking map: Viable Cities Internationalisation strategy, 2020-2022

## *including EU Mission: 100 climate-neutral cities 2030 – by and for citizens*





## NetZeroCities in essence

- Mission platform – organise and make accessible to all cities available tools, resources, expertise, capabilities
  - Design phase at first, phased-in operation during 2022, to be fully operational Sept 2022
  - By 2025 determine best service model and ongoing financial sustainability of the platform
- Climate-neutral city contracts – multi-level government collaboration tool and instrument for building agency and resources
  - 25-30 cities selected from the 100 Mission cities
- "Large-scale pilots" – up to 30 cities to receive substantial funding (€0.5 to €1.5 M) for innovation-focused projects
  - Climate neutrality ambition and Mission alignment
  - Twinning programme to engage and help more cities
  - City Guides to help cities through the process
- Impact framework for climate-neutrality at city scale
- Learning approach with peer-to-peer sharing to enhance the practice of city climate action for climate neutrality
- Policy advocacy and communications

# Kriterier för att bli en av de 100 klimatneutrala städerna



**CALL FOR EXPRESSION OF INTEREST  
TO JOIN  
THE CLIMATE-NEUTRAL AND SMART  
CITIES MISSION**



## WHO CAN APPLY? – CITY SIZE AND TYPOLOGY

- Entities of more than 50 000 inhabitants.
- Participation of cities with at least 100 000 inhabitants is especially encouraged.
- Central principles: inclusiveness, diversity, geographical balance



## WHO CAN APPLY? – AMBITION

- Clear ambition to become climate neutral
  - reaching net-zero GHG emissions by the year 2030.
- Applies to the whole city



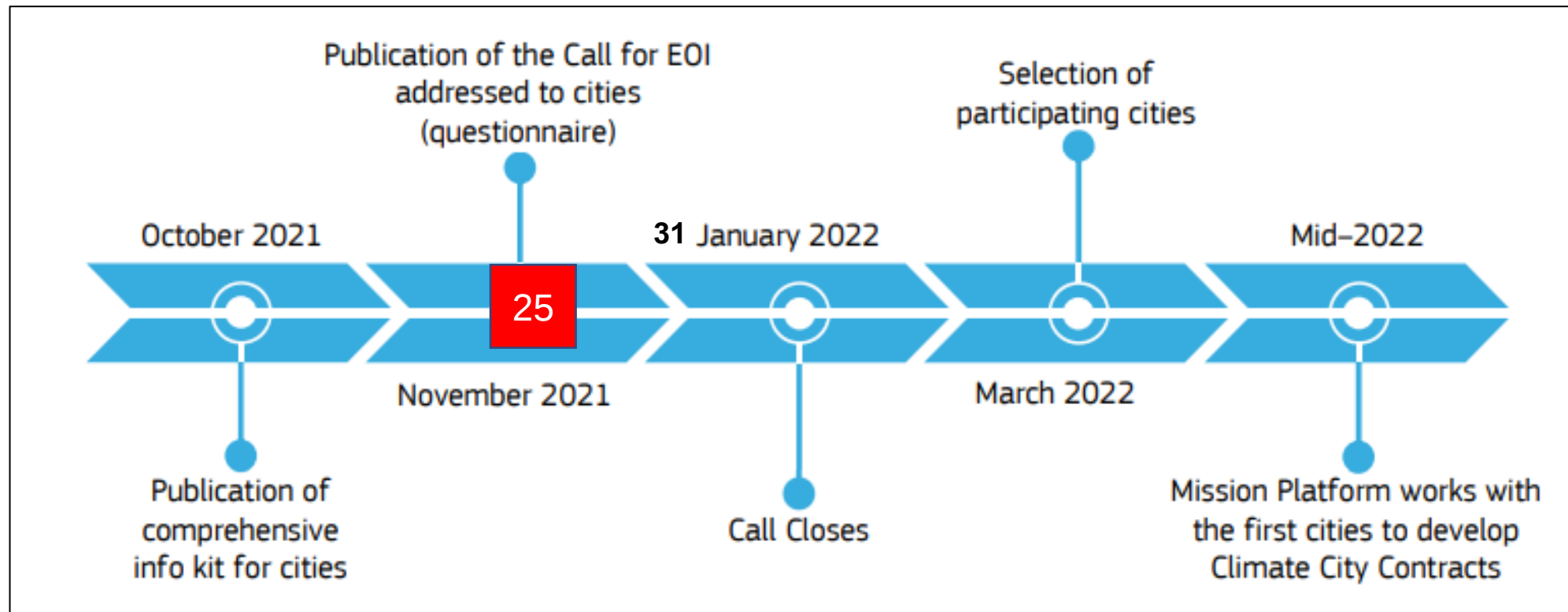
## BENEFITS

- Tailor-made advice and assistance from the **Mission Platform**
- Unlocking additional funding and financing opportunities through a **Mission label**
- **Research & innovation**: funding opportunities for cities to be part of large innovation actions, pilot projects and demonstrators
- Support through a **national coordination network**
- **Networking opportunities**, learning and exchange of experiences among cities
- Support with **involving citizens** in decision-making
- **High visibility** – raising political profile and attractiveness for investment and skilled workers

# Processen steg för steg



## HOW WILL THE APPLICATION PROCESS WORK?





# CALL FOR EXPRESSION OF INTEREST

- Online questionnaire to be filled in by city authorities
- Constitutes city's explicit request to join the Mission
- More than 150 cities pre-registered to receive information about the Call

## Climate-Neutral and Smart Cities Mission QuestionnaireV1

Fields marked with \* are mandatory.

### Disclaimer

The European Commission is not responsible for the content of questionnaires created using the EUSurvey service - it remains the sole responsibility of the form creator and manager. The use of EUSurvey service does not imply a recommendation or endorsement, by the European Commission, of the views expressed within them.

### Pages

Welcome Eligibility Additional information Current emissions Current policies Ambition for climate neutrality **Partnerships**

Capital needs and investment strategies Governance Barriers, risks and assistance

## Partnerships

### Stakeholder involvement

Who are the main stakeholders currently involved in formulating and implementing climate change mitigation/Greenhouse Gas (GHG) emissions reduction policies in your city?

- |                                                                |                                                 |                                                                   |                                                   |
|----------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> National government                   | <input type="checkbox"/> Private sector         | <input type="checkbox"/> Utilities                                | <input type="checkbox"/> Youth & education sector |
| <input type="checkbox"/> Regional government                   | <input type="checkbox"/> Financial institutions | <input type="checkbox"/> Citizen and renewable energy communities | <input type="checkbox"/> Other                    |
| <input type="checkbox"/> Neighboring local/regional government | <input type="checkbox"/> Trade unions           | <input type="checkbox"/> Citizens                                 |                                                   |
| <input type="checkbox"/> Academia / R&I institutions           | <input type="checkbox"/> NGOs and associations  | <input type="checkbox"/> Vulnerable groups                        |                                                   |



# Expression of interest - questionnaire

Four main areas in focus:

1. The city's level of ambition;
2. The city's level of preparedness;
3. City's existing and planned commitments towards climate neutrality;
4. City's commitment to involving citizens and stakeholders.

# EU-kommissionens informationspaket: Part 1 - Understanding the Cities Mission

- Introduktion till Cities Mission
- Hur kan min stad delta?
- Vad menas med "Urban climate neutrality"?

|                                                                                                                        |    |
|------------------------------------------------------------------------------------------------------------------------|----|
| PART I – UNDERSTANDING THE CITIES MISSION – Guide to help cities prepare for the Call for Expression of Interest ..... | 1  |
| 1 The Climate-Neutral and Smart Cities Mission.....                                                                    | 1  |
| 1.1 Introduction.....                                                                                                  | 1  |
| 1.2 The main building blocks of the Cities Mission .....                                                               | 2  |
| 1.3 The role of research and innovation.....                                                                           | 3  |
| 2 How can my city participate and what comes next?.....                                                                | 4  |
| 2.1 The process explained briefly .....                                                                                | 4  |
| 2.2 In more detail: who can participate?.....                                                                          | 4  |
| 2.2.1 Eligibility criterion – city size and typology .....                                                             | 4  |
| 2.2.2 Eligibility criterion – ambition.....                                                                            | 5  |
| 2.3 What else will be assessed?.....                                                                                   | 5  |
| 2.4 What are the benefits of becoming a Mission City?.....                                                             | 9  |
| 2.4.1 What happens if a participating city does not meet the climate neutrality target? .....                          | 10 |
| 3 Urban climate neutrality defined in the context of the Mission.....                                                  | 10 |
| 3.1 Main elements of the urban climate neutrality definition.....                                                      | 11 |
| 3.2 Residual emissions and offsetting .....                                                                            | 13 |

# EU-kommissionens informationspaket:

## Part 2 - A short guide to urban climate neutrality

- Utmaningen samt policykontexten
- Hur planera för netto-noll-utsläpp till 2030
- Sektorer och strategier för att minska utsläpp (användning och tillförsel)
- Transformation, systemintegration och smarta, digitala lösningar
- Medborgarna som drivkraft i omställningen
- Finansieringen?



## QUALIFYING CRITERIA

- Population thresholds – 50 000 (with some flexibility to bring in cities from all Member States)
- Stated ambition to achieve climate neutrality by 2030

## PRINCIPLES

- Inclusiveness, diversity, geographical balance

## ASSESSMENT CRITERIA INCLUDE

- cities' level of ambition and preparedness (but not just “usual suspects”)
- true geographic diversity – from south and east of Europe, not just north and west
- cities' commitment to involving citizens and stakeholders

**Based on an assessment by independent experts, the European Commission services will choose the 100 cities**

# Andra möjligheter

# Om min stad inte kan/vill bli en av EU:s 100?

- Twinning cities – möjlighet att i senare skede att lära av de första
- Horisont Europa Missions work programme – utlysningar öppna för alla aktörer
- Andra Europeiska program och satsningar, exempelvis LIFE
- Nationella satsningar, exempelvis Viable Cities