

# Informationsmöte kring Horisont Europas fem uppdrag (Missions)

29 augusti, 2022



EUROPEAN UNION

# EU MISSIONS



**Concrete solutions for our greatest challenges**

**Andreas Aurelius**

Seconded to the European Commission

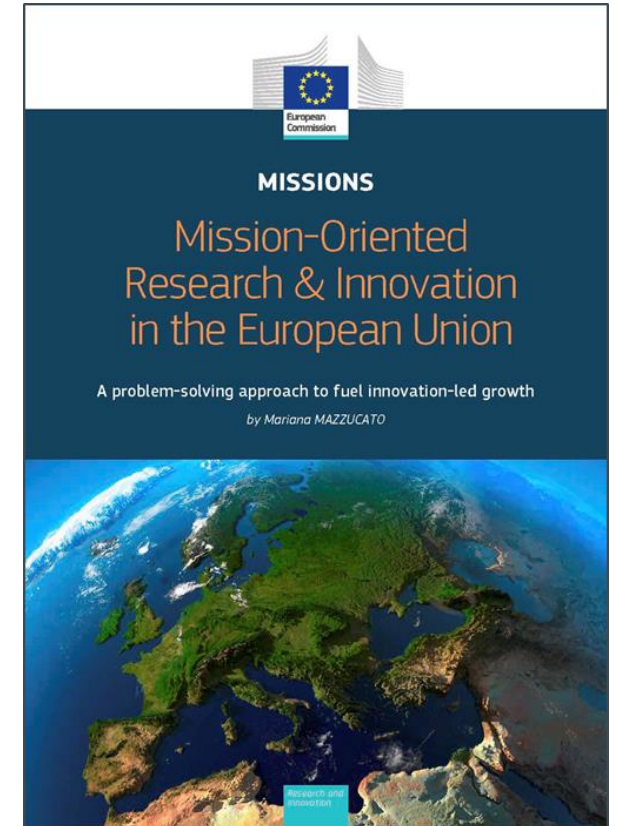
**#EUmissions #HorizonEU**



# What are Missions?

## R&I Missions should:

- Be bold and inspirational, with wide societal relevance;
- Indicate a clear direction: targeted, measurable and time-bound;
- Be ambitious but realistic;
- Spark innovation across disciplines, sectors and actors;
- Be based on a bottom-up approach.



Scan me to read the report



# Why do we need missions?

- Bring Europe **closer to people**

*Acting upon issues that citizens care about*

- Deliver the **priorities of the European Commission**

*Green Deal, Beating Cancer Action Plan, Conference on the Future of Europe...*

- Offer a different way to generate **impact**

*Increased focus on goals, collaborative work, portfolio approach*



# How will EU Missions operate?

## Delivering impact through:

- Aligning priorities and policies at European and national level
- Implementing an 'all-in' approach
- Promoting a new relationship with citizens
- Linking programmes and building synergies
- Maintaining flexibility (no one-size-fits-all)



# Five EU Missions

100 Climate-neutral and Smart Cities by 2030



A Soil Deal for Europe



Adaptation to Climate Change



Cancer



Restore our Ocean and Waters by 2030

# Nationellt perspektiv på EU:s uppdrag (Missions)

Lisa Almesjö, Vinnova

Åsa Fritzon, Vinnova

# Missions - särdrag?

- Tidsatt och definierat mål
- Kräver bredare grupp deltagare i projekt
- Nya typer av instrument
- Nya nätverk
- Nya samarbeten
- Portföljtänk
- Synergier
- Nya arbetssätt
- Nya strukturer och funktioner



## EU level: strategic dialogue and programming

Strategic discussion and steering of EU Missions, including the preparation of Horizon Europe EU Missions work programme part.

### Project Group of Commissioners for Research and Innovation Political steer

#### European Commission services

Mission Manager and Deputy Mission Manager (x5)  
Chair Steer

Mission Owners Groups (x5)  
Inter-service coordination of Mission programming

#### Steering & coordinating

DG RTD  
Common Policy Centre  
Common Implementation Centre

Mission Secretariats (x5)  
Policy coordination of Mission Implementation

Executive Agencies  
Implementation and Feedback to policy

Mission Boards (x5)  
Experts' advice

Engaging MSs and ACs

Information / exchanges of views / opinions related to missions and on the Mission Horizon Europe part of the "main" work programme.

Strategic Configuration of the Horizon Europe Programme Committee (SPC)

SPC Missions Working Groups

Restore our Ocean and Waters by 2030  
A Soil Deal for Europe  
Adaptation to Climate Change  
100 Climate Neutral and Smart Cities by 2030  
Cancer

European Innovation Partnership for Agricultural Productivity and Sustainability (EIP-AGRI) - EU level network  
EU Expert Group on Soil Protection

Subgroup on Cancer under the Steering Group on Health Promotion, Disease Prevention and Management of Non-Communicable Diseases (SGPP)

Climate Adaptation Mission Forum

Council

European Economic and Social Committee (EESC)



European Parliament

Committee of the Regions (CoR)

## Initiatives and networks with Member States

These structures will favour mutual exchanges, raise awareness and foster dialogue on EU Missions at national, regional and local levels, etc.



EU Mission National Contact Points (NCPs)

ERA Forum

Mutual Learning Exercise

TRAMI Mission Core Network

27 Cancer Mission Hubs

National support network for cities

Common Agricultural Policy (CAP) structures and networks in particular European Innovation Partnership for Agricultural Productivity and Sustainability (EIP-AGRI) - MS level network

## Interlinking with the regional and local levels

These structures represent "entry points" for stakeholders to engage with specific EU Missions. They are grouped based on the type of activities they provide. The upper box contains structures that provide services to help amongst others with monitoring, reporting, citizens engagement, communication, etc. The bottom box contains structures that will constitute a forum for dialogue with the different Missions stakeholders.

### Services for Mission Implementation

Adaptation to Climate Change Mission Implementation Platform

Prep4Blue and basin specific coordination and network platforms for the Mission Restore our Ocean and Waters by 2030

NetZeroCities: Mission 100 Climate-Neutral and Smart Cities Implementation Platform

A Soil Deal for Europe Mission Implementation Platform  
Technical and scientific support for soil monitoring by the Joint Research Centre – European Soil Observatory (EUSO)

### Stakeholder engagement

Health Policy Platform (HPP)

Adaptation to Climate Change Mission Implementation Platform

National support network for cities

EU dialogue with companies, businesses, including financial institutions  
EU dialogue with municipalities and regions

Citizen engagement: co-designing,

# Missions-NCP ny funktion

- Övergripande ansvar för Missions
- Lisa och Åsa tillfälliga i rollen – ny person kommer in under hösten
- [lisa.almesjo@vinnova.se](mailto:lisa.almesjo@vinnova.se)  
[asa.fritzon@vinnova.se](mailto:asa.fritzon@vinnova.se)
- Kluster – NCP
- Experter i arbetsgrupper för de 5 Missions
- Referensgrupper?

# Information?

- Arbetsprogram för Missions: [wp-12-missions\\_horizon-2021-2022\\_en.pdf \(europa.eu\)](#)
- ECs Research and Innovation Days, 28 & 29 September 2022 – stort fokus på Missions: [European Research and Innovation Days | Research and Innovation \(europa.eu\)](#)
- Plattformar, nätverk, hubbar eller liknande, för varje Mission
- Mission sekretariat (EC) för varje mission

# – Transnational Cooperation on the missions approach

- CSA-projekt som löper april 2022 – april 2024
- Vinnova + 24 partners i 17 MS och AC
- [Home | TRAMI \(trami5missions.eu\)](https://trami5missions.eu)
- Hur kan nationella, regionala och lokala strukturer, program, aktiviteter, etc., bidra till implementeringen av EUs Missions?
- Hur stötta svenska aktörers medverkan i Missions?

# Mission Adaptation to Climate Change

Malin Mobjörk, Formas

# Mission Adaptation to Climate Change

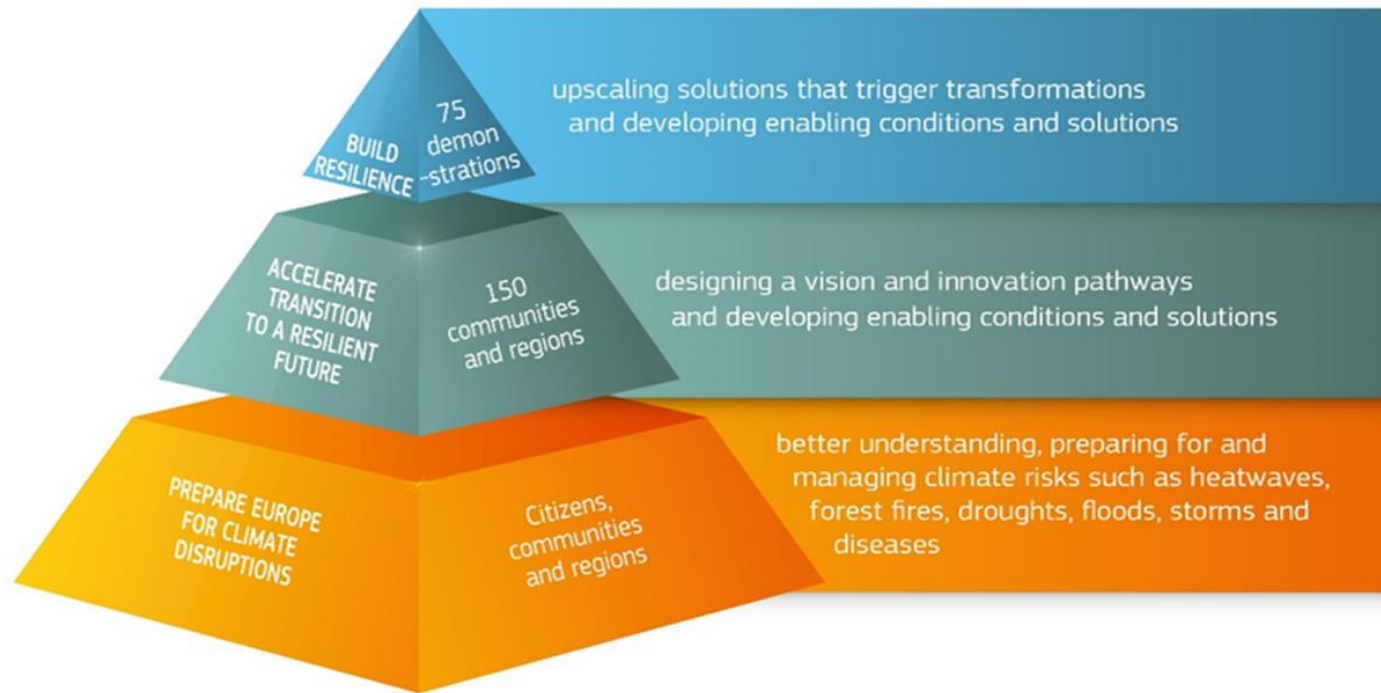
## Övergripande målsättning:

- Främja resiliens gentemot klimatförändringarnas effekter
- Förbereda samhällen för de oundvikliga effekter klimatförändringarna innebär och bidra till Europas omställning - transformation – till en klimatrezilient kontinent.

## Målgrupper:

- Inkluderande ansats: Klimatförändringarna påverkar regioner, sektorer och medborgare på olika sätt. Arbetet ska återspegla denna mångfald.
- Regioner, städer och samhällen pekas ut som särskilt viktiga aktörer i omställningsarbetet

# Mission Adaptation to Climate Change



Stödja omställningen i minst 150 regioner och samhällen till att bli klimatresilienta till år 2030:

- Förebereda och planera
- Påskynda omställning
- Demonstrera och skala upp

# Lägesbeskrivning

Mission Forum: årligt event för erfarenhetsutbyte

Mission Charter:

- Signera för att bli en del i arbetet med Uppdraget om klimatanpassning
- Hittills har 117 regioner och lokala aktörer i EU:s medlemsländer skrivit upp sig

Arbetsprogram:

- 1:a omgång: Stänger 27 september 2022
- 2:a omgång: Öppnar 10 januari 2023



## Mission Charter

### Charter

#### Mission Adaptation to Climate Change

I, the undersigned, represent a region or local authority in need of adapting to climate change.

The authority I represent is committed to strive towards climate resilience by 2030.

The authority I represent is committed to boost regional and local adaptation efforts through involvement of citizens in the decision-making process and through stimulation of investments from public and private sources.

The authority I represent is willing to undertake some of the following actions to create the conditions to achieve climate resilience and to support the Mission Adaptation to Climate Change:

- Use the best available knowledge to carry out climate risk assessments in our region and make sure that everyone has access to the results;
- Use this knowledge to support citizens, entrepreneurs, scientists and policymakers in designing and undertaking actions for adaptation to climate change;
- Design trajectories by which our regions will become climate resilient by 2030;
- Involve citizens in decision-making and allow them to participate in testing or assessing different adaptation solutions;
- Mobilise resources and develop activities in our region to reach the adaptation goals
- Support demonstration and deployment of climate adaptation solutions;
- Participate in exchanges of experience and collaboration activities with other regions;
- Take stock of the collective progress of achieving the Mission objectives and contribute to adjusting its course and steer its actions.

N.B. The Mission Secretariat will evaluate the commitment of communities, such as local authorities, through replies and evidence the [EU Survey](#). On this basis, regions and local authorities will be in the Mission Charter.



# Information och kontakt

Webbplatser som samlar information om:

- Mission Adaptation to Climate change: [Adaptation to climate change \(europa.eu\)](https://europea.eu)
- EU Green Deal: [A European Green Deal | European Commission \(europa.eu\)](https://europea.eu)
- EU Strategy for climate adaptation: [EU Adaptation Strategy \(europa.eu\)](https://europea.eu)

EU contact: [EU-CLIMATE-ADAPTATION-MISSION@ec.europa.eu](mailto:EU-CLIMATE-ADAPTATION-MISSION@ec.europa.eu)



# Mission Cancer

Caroline Ekstrand, VINNOVA

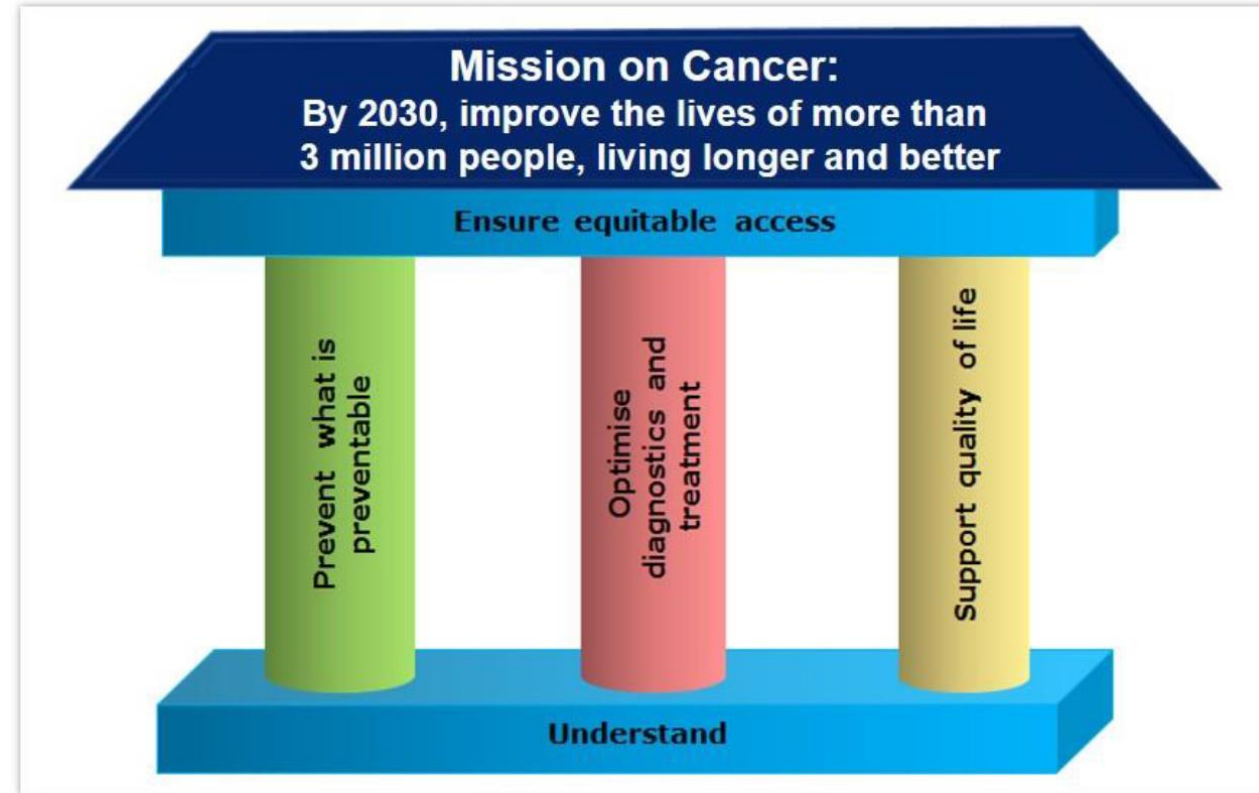
# Mission Cancer

- **Övergripande målsättning:**

Improve the lives of more than 3 million people by 2030 through better prevention, cure and quality of life

- **4 mål:**

1. Förstå cancer
2. Prevention och tidig upptäckt
3. Diagnostik och behandling
4. Livskvalité för patienter och anhöriga



# Mission Cancer

## ➤ Konkrete aktiviteter:

- EU platform Understanding CANcer (UNCAN.eu) (2023)
  - Skapa the European Cancer Patient Digital Centre (2023)
  - Network of Comprehensive Cancer Infrastructures (2025)
  - Etablera samverkan inom cancer community
- ## ➤ Nära samarbete med EU Cancer Plan (Europe's Beating Cancer Plan)
- Cancer Knowledge Center
  - European Cancer Imaging Initiative
  - Health data sharing
- ## ➤ Synergier med EU policies och initiativ



# Mission Cancer

## ➤ Målgrupper:

- Tvärsektoriellt och inkluderande med patienter, anhöriga, medborgare i fokus
- Länka forskning och Innovation med Policy utveckling på EU, nationell, regional, lokal nivå

## ➤ Hur engagera sig?

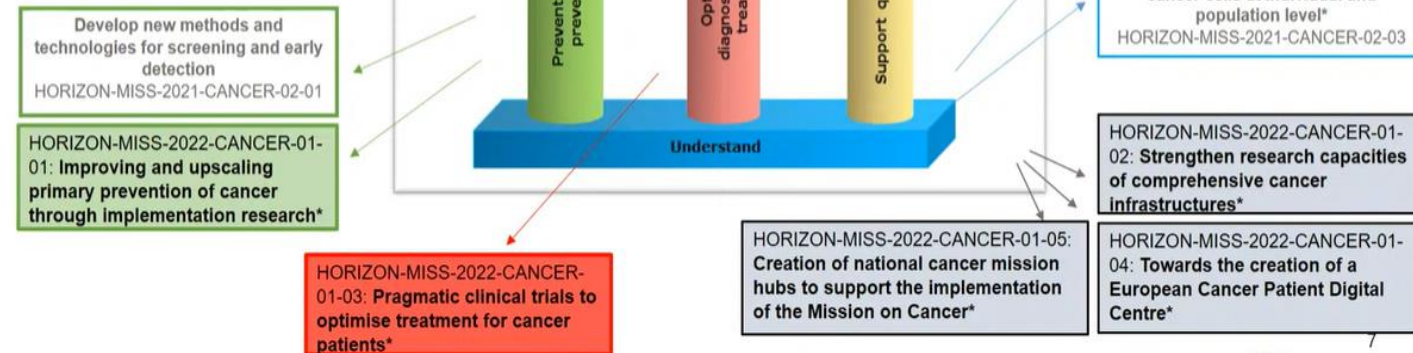
- Finansieringsmöjligheter inom ramen för [Horisont Europas arbetsprogram för uppdraget för Cancer](#). (deadline 7 sept)
- Citizen engagement



## Horizon Europe Mission WP2021-2022 topics

### Overall approach

- Apply mission guiding principles
- Close cooperation with Cancer Plan actions
- Total budget 2021-2022: € 252 M



\*adoption 10/05/22

# Mission Cancer

## ➤ Mer information och kontakt:

- Webb: [Cancer \(europa.eu\)](https://europa.eu/cancer)
- [Mission Cancer Implementation Plan](#)
- Mission Cancer Sekretariat:  
[RTD-SANTE-CANCER-MISSION@ec.europa.eu](mailto:RTD-SANTE-CANCER-MISSION@ec.europa.eu)



# Mission Healthy Oceans, Seas, Coastal and Inland Waters

Osman Tikansak, Formas

# Mission Oceans-Objectives

## OBJECTIVES:

- I. **Protect and restore** marine and freshwater ecosystems and biodiversity, in line with the EU Biodiversity Strategy 2030
- II. Prevent and **eliminate pollution** of our ocean, seas and waters, in line with the EU Action Plan Towards Zero Pollution for Air, Water and Soil
- III. Make the **sustainable blue economy carbon-neutral and circular**, in line with the proposed European Climate Law and the holistic vision enshrined in the Sustainable Blue Economy Strategy.

## ENABLERS:

- I. Digital Ocean and Water Knowledge System
- ii. Public mobilisation and engagement.



# Mission Oceans-Objectives

## What are the Mission Lighthouses?

- the Mediterranean Sea
- the Baltic and North Sea
- the Danube river basin
- the Atlantic-Arctic basin

The four lighthouses will act as hubs that will **develop, demonstrate and deploy new solutions** through a political implementation charter.

For more information about the Lighthouses, see [the Implementaion Plan](#)

# Mission Oceans-Target Group

The European Commission is calling on a wide range of stakeholders, including:

- public or private organisations,
- national/regional/local authorities (including cities and ports),
- philanthropists and investors,
- enterprises and businesses,
- civil society, research and academia.

(cf. [Mission Oceans Charter](#))

# Mission Oceans-How to get involved

Actions include Mission Ocean and Waters related **policies, programmes, initiatives** and **projects** to support:

- a) Research and innovation
- b) Evidence-based knowledge and data and/or access provision to knowledge and data, in line with FAIR principles for the Mission Ocean and Waters Knowledge System (Digital Twin Oceans)
- c) Upscaling, deployment and replication of solutions
- d) Citizen engagement, citizens-science, youth-led initiatives, communities of practice, ocean and water literacy, outreach, awareness raising and participatory approaches
- e) Education and training.

# Mission Oceans- So far & what is next?

In **WP 2021-2022**, **€114 million** made available by HE calls for proposals to support the rolling out of the Mission.

The deadline for application for the WP 2021-2022 calls is **September 27**. New calls are coming in 2023.

In total €500 million seed funding expected from various EU programmes during 2021-2023.

Throughout its lifetime, the Mission will move **from piloting to demonstration (2022-2025), deployment and market entry (2026-2030)** of innovative solutions to restore our ocean and waters.

# Mission Oceans-Contact



**Mission Oceans Implementation Plan:** [https://research-and-innovation.ec.europa.eu/system/files/2021-09/ocean\\_and\\_waters\\_implementation\\_plan\\_for\\_publication.pdf](https://research-and-innovation.ec.europa.eu/system/files/2021-09/ocean_and_waters_implementation_plan_for_publication.pdf)

**Mission Oceans Charter:** <https://ec.europa.eu/eusurvey/runner/MissionOceanWatersCharter>

**EU-Contact:**

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

# Mission Climate-Neutral and Smart Cities

Anna Hult, Formas

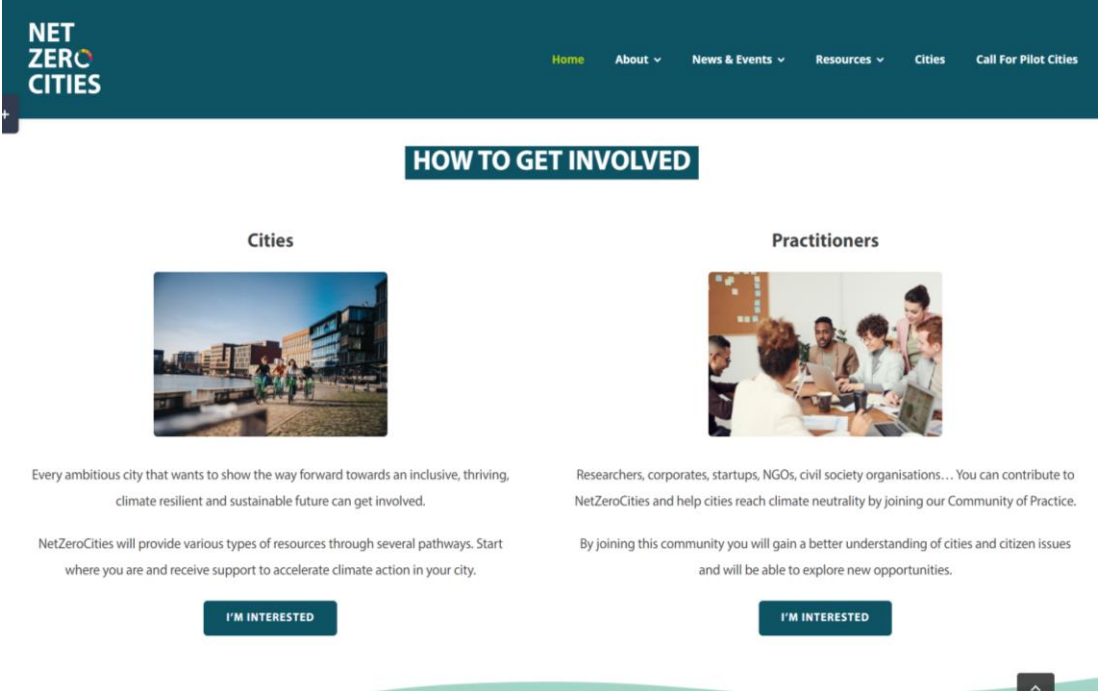
# Mission Climate-Neutral and Smart Cities

- Övergripande målsättning:
  - **100 klimatneutrala och smarta städer – med och för medborgarna senast 2030**
  - Dessa städer ska fungera som experiment- och innovationsnav för att alla europeiska städer ska kunna följa efter fram till 2050.



# Mission Climate-Neutral and Smart Cities

- Målgrupper:
  - Städer och kommuner som huvudsaklig målgrupp.
  - Inkluderande ansats: Aktörer från näringsliv, akademi, offentlig sektor.
  - Medborgarna pekas ut som centrala.



The screenshot shows the NetZeroCities website. At the top is a dark teal navigation bar with the logo on the left and menu items: Home, About, News & Events, Resources, Cities, and Call For Pilot Cities. Below the navigation bar is a section titled 'HOW TO GET INVOLVED' in a dark teal box. This section is divided into two columns: 'Cities' and 'Practitioners'. The 'Cities' column features a photograph of a modern city street with a river, followed by the text: 'Every ambitious city that wants to show the way forward towards an inclusive, thriving, climate resilient and sustainable future can get involved.' Below this is a dark teal button with the text 'I'M INTERESTED'. The 'Practitioners' column features a photograph of a group of people in a meeting, followed by the text: 'Researchers, corporates, startups, NGOs, civil society organisations... You can contribute to NetZeroCities and help cities reach climate neutrality by joining our Community of Practice.' Below this is another dark teal button with the text 'I'M INTERESTED'. At the bottom right of the page, there is a small dark teal button with an upward-pointing arrow.



# Mission Climate-Neutral and Smart Cities

- I uppdraget ingår bland annat:
  - Lansering av en plattform för teknisk, reglerande och ekonomisk support till städer som arbetar med uppdraget;
  - Europeiska städer ska förbereda, underteckna och genomföra klimatkontrakt, som skapas tillsammans med medborgare och lokala intressenter;
  - Initiera en portfölj av forsknings- och innovationsprojekt samt skapa en global kunskapsbank;
  - Initiera ett nätverk av nationella, lokala och regionala myndigheter för att stödja städernas klimatomställning.

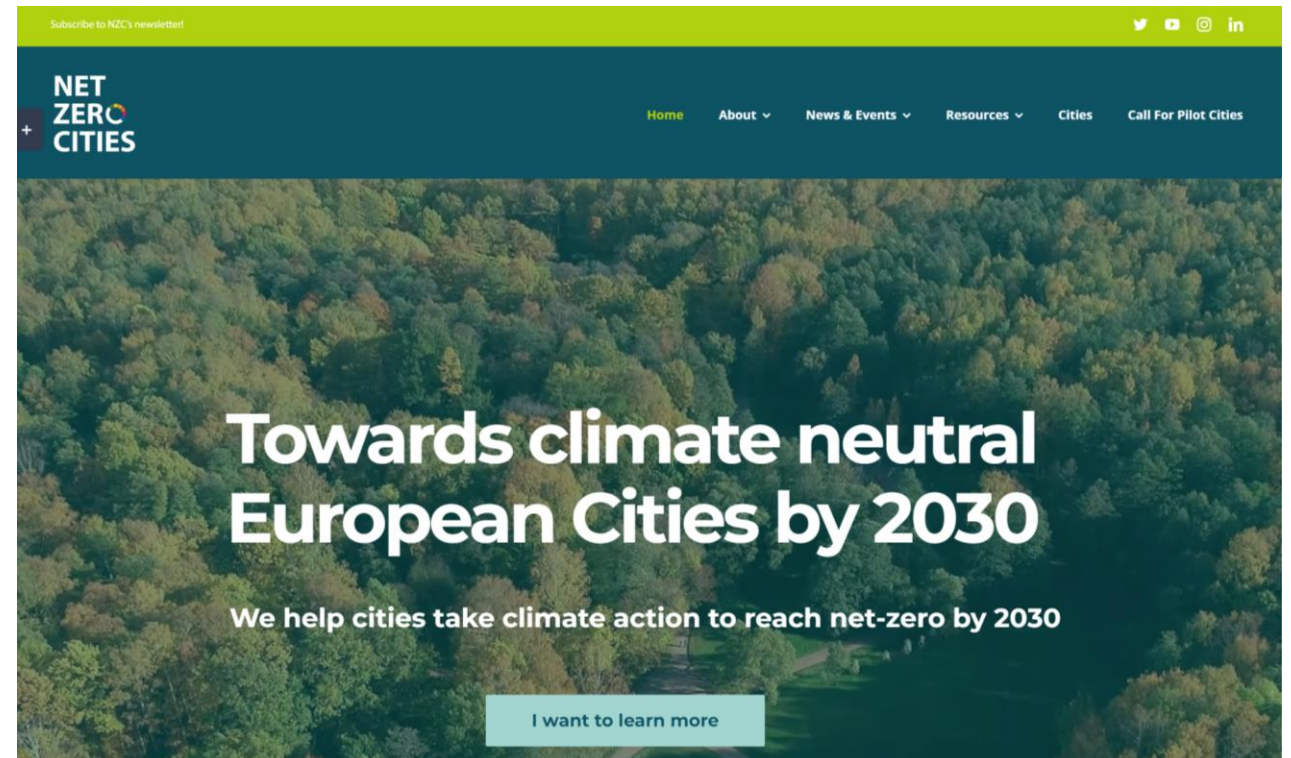
# Mission Climate-Neutral and Smart Cities

- Lägesbeskrivning
  - Strategiska innovationsprogrammet ViableCities bra stöd för svenska städer.
  - Sju svenska städer har blivit utvalda i en första utlysning: Stockholm, Göteborg, Malmö, Gävle, Helsingborg, Lund, Umeå.
  - Fördelar för städerna inbegriper skräddarsydd rådgivning och stöd från en särskild uppdragsplattform som drivs av [NetZeroCities](#), extra finansiering och finansieringsmöjligheter och möjligheten att ansluta sig till stora innovationsåtgärder och pilotprojekt.
  - Mot bakgrund av det stora intresset från 377 städer håller kommissionen också på att införa stöd till städer som inte valdes ut, inbegripet stöd genom uppdragets plattform och finansieringsmöjligheter inom ramen för [Horisont Europas arbetsprogram för uppdraget för städer](#). Se [Funding & tenders \(europa.eu\)](#)

# Mission Climate-Neutral and Smart Cities

Mer information och kontakt:

- [Home - NetZeroCities](#)
- [Hem - Viable Cities](#)
- Nyhetsbrev: [NetZeroCities News List \(sibforms.com\)](#)
- EU-kontakt: [RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu](mailto:RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu)





# Mission "A Soil Deal for Europe"

Susanne Johansson, Formas

Joanna Franzén, Vinnova

# A Soil deal for Europe



Målsättningen är friskare jordar till 2030 genom hållbar markanvändning och restaurering som en del av en bredare, grön omställning på landsbygden och i städerna

1. forsknings- och innovationsprogram med en stark samhällsvetenskaplig komponent

2. nätverk av 100 levande laboratorier och fyror för att samskapa kunskap, testa lösningar och visa deras värde

4. öka människors medvetenhet om markens livsviktiga betydelse

3. harmoniserat ramverk för övervakning av mark i Europa



# A Soil Deal for Europe



## Vem och vilka kan bidra?

- "Markanvändare", lantbrukare, skogsbrukare, stadsplanerare, kommuner, regioner, forskare, näringslivsaktörer, medborgare, mfl.

## Hur kan man engagera sig och vad händer just nu ?

- [Soil health and food \(europa.eu\)](https://europa.eu)
- Det finns en arbetsplan
- Sjösättningen av levande laboratorier och fyror
- EU:s strategi för jord- och markhälsa (2021)
- Ny markhälsolag för EU ute på samråd



## Strategy, programming and management

### European Commission

- Mission Manager (AGRI) and Deputy Mission Manager (RTD)
- DGs Mission Owner Group
- Central mission support services
- Interface and operational management:
  - Mission Secretariat
  - REA



advice

**Mission Board**  
(independent experts)



contribution to and approval  
of the Work Programme

**Horizon Europe  
Programme  
Committee**

**Member States**



support to mission  
implementation

CAP European, national  
and regional structures  
and networks (EIP-  
AGRI)

Other EU policies  
European, national and  
regional structures

National soil  
monitoring




## Implementation

Stakeholder Innovation group

EU network of companies and  
businesses + dialogue with  
financial institutions

European soil Living Lab &  
Lighthouse coordination  
network

Living Labs and  
Lighthouses 

EU-level network of  
independent advisory services,  
farming groups, and research  
communities

Practitioners beyond  
Living Labs and  
Lighthouses

EU network of municipalities  
and regions

Citizens

Monitoring mechanism to  
support Member States'  
activities and their  
harmonization

# Mer information

- [EU Mission website](#)
- [EC Communication on EU Missions](#)
- 6 Factsheets: [EU Missions](#); [Climate](#); [Cancer](#); [Ocean](#); [Cities](#); [Soil](#)
- [Horizon Europe website](#)
- [Video with College members](#)



# Kontakt

## EU-kommissionen

- [EU-CLIMATE-ADAPTATION-MISSION@ec.europa.eu](mailto:EU-CLIMATE-ADAPTATION-MISSION@ec.europa.eu)
- [RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu](mailto:RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu)
- [RTD-SANTE-CANCER-MISSION@ec.europa.eu](mailto:RTD-SANTE-CANCER-MISSION@ec.europa.eu)
- [RTD-HORIZON-EUROPE-MISSION-OCEANS@ec.europa.eu](mailto:RTD-HORIZON-EUROPE-MISSION-OCEANS@ec.europa.eu)
- [AGRI-SOIL-MISSION-BOARD@ec.europa.eu](mailto:AGRI-SOIL-MISSION-BOARD@ec.europa.eu)

## Nationella kontakter

- Tillförordnade Nationella Kontaktpersoner för Missions:
  - Lisa Almesjö
  - Åsa Fritzon
- Nationella Kontaktpersoner för tematiska frågor:
  - [Kontakt för Horisont Europa | Vinnova](#)
  - [Sök medarbetare - Formas](#)