

EU MISSIONS

ADAPTATION TO CLIMATE CHANGE

BUILDING CAPACITIES FOR THE CLIMATE NEUTRAL AND SMART CITIES MISSION

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#EUmissions #HorizonEU #MissionClimate

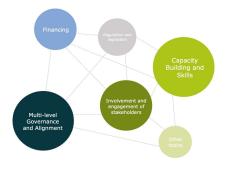
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CapaCITIES

Deep dive into the core countries' challenges and activities



Multi-level Government and Alignment

Most activities in this category

► Foster transformation through a variety of initiatives

Involvement and engagement of stakeholders

National platforms with different focus, maturity and process history

Support the willing – leave no one behind

Financing

National support funding and involvement in EU projects

► Go beyond RTD funding and link to capacity building

Regulation and legislation

Changes in political cycles, complicated procurement rules

Capacity Building and Skills

Language barriers, lack of experts, limited personnel capacities

Other topics

 Knowledge transfer to smaller cities, acceleration, clear direction, make it the new normal

Letter of Intent/CapaCITIES Action plan

Finland

- Activity cluster 1: Needs
- National roundtable with relevant stakeholders to identify needs, interests and common topics
- Relevant national strategies and EU mapping
- Initiatives, platforms and ongoing actions.
- National and regional processes, practices, instruments, and models
- Forerunner initiatives of climate neutrality and smart city urban development
- Activity cluster 2: Co-design the governance structure
- Workshops and collaboration with stakeholders (incl. private sector and citizens)
- National task force for the co-design of mission governance
- Strategy for the change with the piloting cities

- Activity cluster 3: Mobilisation of other cities
- Partnerships and co-creation within Baltic Sea Region (+ other cities)
- Twinning and partnering programs
- Workshops, seminars, and European level events to showcase experiences
- Additional stakeholders to be involved and mobilized
- Engage all applicable cities with partners

Finland's goal is to be carbon neutral by 2035 (climate act 2022)

1. The National Platform has a network structure:

- Top-down, bottom-up and horizontal mechanisms with various stakeholders:
- National Cities' Climate Mission network, led by core ministries (MEE, MENV, TC) and coordinated by MEE.
- Includes Mission cities + other interested cities and key parties (CAPACITIES, NZC, Business Finland). (=explicit support from the national level)

2. Extended National Cities' Climate Mission network

- including selected and applicant Mission Cities of Finland
- VTT (technological research center in Finland),
- Climate Leadership Coalition (businesses),
- Municipalities of Finland and regional councils. (=explicit support from the national level)

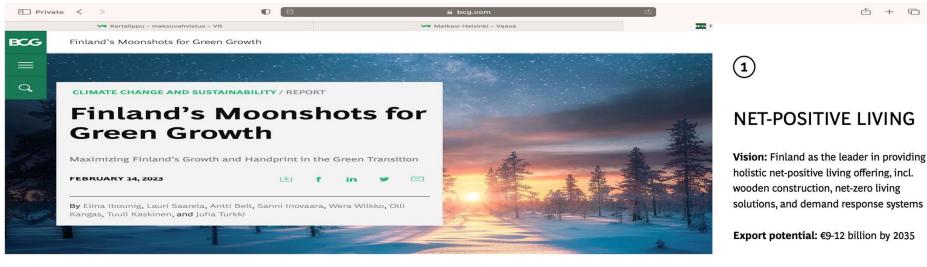
3. Operational network of Mission Label Cities.. (= Support from EU)

4. Horizontal networks, between cities.

- in the **context of the Innocities program** (comprising of 16 cities or city regions), where the Ministry of Economic Affairs and Employment and each City have drawn up an ecosystem contract.
- e.g., Hinku network forerunner carbon neutral municipality/city network,, Fisu network, with a background in Sitra's resource efficiency.

5. Supported funding: Business Finland (innovation funding agency) has initiated, in early 2023,

- a program for Decarbonized Cities, with the aim to support innovation development.
- Ministry of the Environment funding calls, a project for support of climate city co-creation, regional funds have allocations for climate neutrality.



BIO-BASED PRODUCTS AND MATERIALS

(2)

Vision: Finland as the global leader in developing and supplying advanced biobased solutions, incl. circular textile fibers, circular consumer packaging, long-lasting consumer products, and advanced lightweight biomaterials

Export potential: €10-13 billion by 2035



DECARBONIZATION TECHNOLOGY AND SERVICES

Vision: Finland as the forerunner in providing smart technology solutions for high-emitting industrial processes, incl. electrification, lifecycle services, and energy system optimization

Export potential: €30-32 billion by 2035



CIRCULAR BATTERIES AND GREEN METALS

Vision: Finland with a circular battery ecosystem, and Finland as the leading supplier of green specialty steel, and other metals in Europe (e.g., for advanced applications in automotive and aviation)

Export potential: €27-29 billion by 2035



GREEN HYDROGEN-ENABLED SOLUTIONS

Vision: Finland as a competitive country for producing green hydrogen-enabled solutions, incl. green steel, synthetic fuels, green ammonia-based fertilizers, and food proteins

Export potential: €10-12 billion by 2035





Transformative change

Multi-level governance – all actors included – public & private sector, also financing

Exploratory experimentation Build in learning and adaptation

Systematic approach, bottom-up will have an increasing role in all global activities: new structures, processes and methods.

Societal innovations, entrepreneurship, creativity are essential.

Human capital, Intelligent assets are critical success factors: individual & team skills and competencies + **bench-learning.**

Avoiding Fragmentation: The only way to become the global leader in science, the industrial base, vibrant start-up ecosystems, favourable conditions for innovation, and the talent base.





Thank you!

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