AI4CITIES

AI4Cities webinar
Open Market Consultation

28.5.2020

The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 871914.

AI4Cities - AI accelerating Cities' transition to carbon neutrality

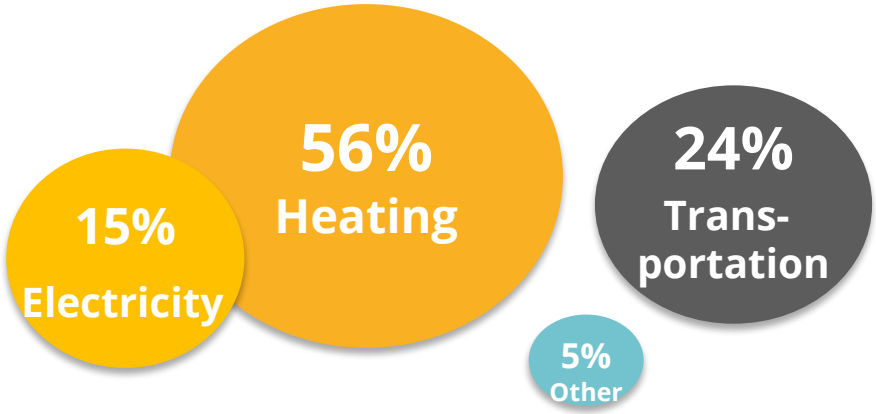
This webinar is part of the Open Market Consultation phase. The aim is to refine the scope of the Request for Tenders as well as check with the market on state-of-the-art and innovativeness.
The webinar will be recorded.

Agenda

10:00	**Introduction to the AI4Cities project** - Kaisa Sibelius, Coordinator AI4Cities, Forum Virium Helsinki
10:15	**The Pre-Commercial Procurement process** - Hugo Tamagnini Gonçalves, PCP Specialist, Forum Virium Helsinki
10:30	**Mobility – City of Stavanger** - Nils Henrik Haaland, Project Lead AI4Cities for Stavanger
10:40	**Energy – City of Amsterdam** - Anja Reimann, Project Lead AI4Cities & Mimi Eelman, Strategy on Energy transition for Amsterdam
10:50	**Open AI for agile cities** - Timo Ruohomäki, Programme Director, Forum Virium Helsinki
11:05	**AI4Cities next steps** - Kaisa Sibelius
11:15	**Questions & Answers**
11:30	Webinar ends

The City Partners are all committed to becoming Carbon neutral

Average emission sources in the cities (example City of Helsinki*)



*) Source: Helsinki Region Environmental Services Authority HSY, 2019

What do we look for?

Unique and innovative digital solutions utilizing AI to able to **help Cities to reduce their CO2 emissions** in two domains: energy and mobility via a challenge-based PCP competition.

Mobility (Lot 1)

Energy (Lot 2)

AI4Cities challenges build on **highly innovative and not market-ready technologies** to bring **added value** for cities' management and decision making.

Goals of the challenges

Strategic goals

- Effective usage of energy
- Support climate goals of the cities
- Support digitalisation and data strategies of cities

Objectives

- Better living and working conditions
- Reduced carbon footprint
- Reduced costs by optimization

Who are we addressing?

Companies, developers and consortiums with innovative ideas for innovative or disruptive new digital-based solutions, based on AI & other Emerging Technologies.

Cities and other public procurement organisations, interested in potential take up of the solutions developed within the PCP process.

Others with an interest in promoting entrepreneurship, climate change, reduction of greenhouse gas emissions, etc.

Duration: 36 months
(1.1.2020 – 31.12.2022)

Funding instrument:
Pre-commercial procurement (PCP)

PCP Budget:
4.670.000€

Total Budget:
6.600.000€

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The Preferred Partners

- To be kept informed about all aspects of the PCP and afforded access to all information concerning the PCP results.
- To contribute wherever possible to validate the PCP goal by providing background information regarding the specific needs of the cities.
- To collaborate with the consortium's public procurers and to meaningfully support the project's objectives.

Municipality of Egaleo, GR
Municipality of Milan, IT
Municipality of Bergen, NO
Municipality of Lamia, GR
Municipality of Porto, POR
Open & Agile Smart Cities

Accelerating CO2 reduction of the cities

Cities' visions of the carbon neutrality

Amsterdam
Stavanger
Paris region
Tallinn
Copenhagen
Helsinki

Challenge areas

Energy 

 Mobility

Examples of need

- Optimization of energy infrastructure and utility (grids and storage)
- Sustainable energy and maintenance management and optimization in the buildings
- Advanced traffic planning and management
- Seamless transportation flows and combing public and private transportation
- Motivation and guidance of citizens and facility managers for energy savings
- Optimized usage of renewable energy sources
- More efficient use of the existing traffic infrastructure
- Optimization and coordination of logistics

Key Requirements for technology

AI

- Added value of AI for knowledge-based management
- Improved effectiveness of the city management
- Reasonable and sensible indicators for the resource and action management of the cities
- New knowledge from combined data sources and patterns in large data volumes
- Focus on APIs and algorithms (Less on new platforms or dashboards)