



EBC Annex 97/Cities TCP Task 5 “Sustainable Cooling in Cities”: Learnings from the State-of-the-Art Report

Monday 7 September 2026

09:00-10:15 (Brussels, BE)

07:00-08:15 (London, UK)

16:00-17:15 (Tokyo, JP)

17:00-18:15 (Sydney, AU)

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The impact of climate change is increasingly felt in cities, where extreme weather events such as prolonged heat waves are exacerbated by the urban heat island effect. With more than 55% of the world's population residing in cities, it has become crucial to address the climatic challenges in urban areas. This urgency has led to the development of the new Annex "Sustainable Cooling in Cities," which focuses on implementing climate actions in urban agglomerations.

At the beginning of this project, the State-of-the-Art Review summarizes current development of sustainable urban cooling strategies and policy practices from 13 cities.

This webinar will present selected cooling strategies, give an overview of the status of methods to assess urban cooling solutions as well as current city policies promoting sustainable cooling in urban environments.

This webinar is organized by [AIVC](#) & [venticool](#) in collaboration with [IEA EBC Annex 97/Task 5](#). The webinar is facilitated by [INIVE](#).

Programme (CEST)

- 09:00 | Welcome & Introduction, Philipp Stern (Institute of Building Research & Innovation, Austria)
- 09:05 | Methods and experiments to assess urban cooling, Claudia Fabiani (University of Perugia, Italy)
- 09:20 | Water misting to cool urban environments, Craig Farnham (Osaka Metropolitan University, Japan)
- 09:35 | Urban cooling policy practices of 13 cities, Theofanis Psomas (Munster University of Technology, Ireland)
- 09:50 | Q & A
- 10:15 | End of webinar





Cost and registration

Participation to the webinar is free but requires you to register for the event. The webinar will be limited to a maximum of 1000 persons. To register, please click on the “Register now” button above.

What is a webinar?

A webinar is a conference broadcasted on internet. To follow a webinar you must have a computer with a sound card and speakers or headphones. Once logged in the "webinar room", you will be able to see the slides of the presentation and to hear the panellists' comments. You will also be able to ask written questions to the speakers, and to answer on-line surveys.

Hardware, software

Our webinars are powered by WebEx. The only thing you need is a computer with a sound card and speakers or a smartphone or tablet. Before you can log in the "webinar room", WebEx will install the required application. If you are not a WebEx user, please visit: <https://help.webex.com/en-us/article/810y08/Join-a-webinar> to check the system requirements and be informed on how to join a webinar. We recommend you join the event 5...10 minutes in advance.

About IEA EBC Annex 97 - Sustainable Cooling in Cities

IEA EBC Annex 97 *Sustainable Cooling in Cities* (<https://annex97.iea-ebc.org/>) is a five-year (2025–2029) collaborative project carried out under the Technology Collaboration Programs (TCPs) on Energy in Buildings & Communities (EBC) and Cities. The Annex integrates technological innovation, climate-responsive urban design, and forward-looking policy to develop climate-resilient cooling solutions at both building and city scale. As extreme heat and the urban heat island effect intensify, effective cooling strategies are essential for protecting public health, improving energy efficiency, and strengthening urban resilience. Annex 97 examines how outdoor heat mitigation and building-level cooling interact, providing cities with a deeper understanding of which measures work, under which conditions, and how they can be combined most effectively. A key aim of the project is to translate this knowledge into actionable guidance for municipalities, planners, and policymakers. Through interdisciplinary research, real-world testing, and international collaboration, Annex 97 supports cities in implementing sustainable cooling solutions that enhance comfort, reduce emissions, and improve overall quality of life.

About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre is one of the projects/annexes running under the International Energy Agency's Energy in Buildings and Communities (IEA-EBC) Programme. With the support of its member countries as well as key experts and various associations (REHVA, IBPSA, ISIAQ), the AIVC offers industry and research organisations technical support aimed at better understanding the ventilation challenges and optimizing energy efficient ventilation.

The AIVC activities are supported by the following countries: Australia, Belgium, Canada, Denmark, France, Greece, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, UK and USA.

About venticool

The platform for resilient ventilative cooling, [venticool](#) supports better guidance for the appropriate implementation of resilient ventilative cooling strategies as well as adequate credit for such strategies in building regulations. The platform philosophy is to pull resources together and to avoid duplicating efforts to maximise the impact of existing and new initiatives. venticool has been initiated by the International Network for Information on Ventilation and Energy Performance (INIVE) with the financial and/or technical support of the following partners: Agoria, Reyaners Aluminum, Velux and WindowMaster.

About INIVE

The International Network for Information on Ventilation and Energy Performance (INIVE) was created in 2001 to establish a worldwide network of excellence for knowledge gathering and dissemination. Its current member organisations are Buildwise, Cerema, CETIAT, Ghent University, IBP-Fraunhofer and KU Leuven.

The organisation coordinates and/or facilitates various international projects, including [AIVC](#), [TightVent](#), [venticool](#) and [Dynastee](#). It also operates the EBC Executive Committee Support and Services Unit (ESSU), on behalf of the Executive Committee of the Energy in Buildings and Communities (EBC) Technology Collaboration Programme (TCP) of the International Energy Agency (IEA). In addition, INIVE has coordinated the ASIEPI project dealing with the evaluation of the implementation and impact of the EU Energy Performance of Buildings Directive, the QUALICheck project aiming towards improved compliance and quality of the works for better performing buildings, BUILD UP — the European portal on Energy Efficiency — and the EPBD feasibility study 19a.

