3rd OECD Roundtable on Smart Cities and Inclusive Growth

How can smart cities boost the net-zero transition?

AGENDA

3 JULY 2023, OECD Paris CC6 (Hybrid), 9:30-18:00

About this meeting

Global warming may reach 1.5 degree Celsius as early as 2030 at current greenhouse gas emission trajectories, with climate change impacts worsening as emissions continue to increase. Reaching net-zero emissions by 2050 has become an imperative to reach the Paris Agreement target. Cities have a pivotal role to play in achieving net-zero emissions by 2050. Cities are home to almost half of the global population, account for around two-thirds of global energy demand and generate 70% of energy-related global CO_2 emissions. These shares will only increase over the coming decades as the share of the global population living in cities is expected to reach 55% by 2050. Cities are also at the forefront of implementing ambitious climate action, with many adopting more ambitious targets than their national governments.

Smart cities represent a key opportunity to help cities reach their climate objectives and drive the global net-zero transition. While digital innovation and new technologies can foster considerable reductions in greenhouse gas emissions across many urban sectors, such as buildings and transports, their take-up or impacts on emission reduction have so far remained limited. The implementation of smart city initiatives can also bring challenges and risks, such as risks to data privacy and security, but also importantly create environmental negative externalities. **How can smart city initiatives boost the net-zero transition? What can national and local governments do to leverage smart city solutions more effectively and navigate potential risks? How can the contribution of smart cities to the net-zero transition be measured?**

The OECD Programme on Smart Cities and Inclusive Growth seeks to support national and local governments by promoting knowledge exchange and by providing recommendations to help leverage digitalisation and new technologies to foster inclusive, sustainable and resilient cities. The 1st OECD Roundtable on Smart Cities and Inclusive Growth (2019) emphasised that smart cities are a means to an end to improve well-being for all as well as the crucial role played by a wide range of stakeholders including national governments, the private sector, academia and citizens in implementing smart city initiatives. The second edition of the Roundtable (2020) focused on how the performance of smart cities can be measured. Based on the discussions, the OECD proposed the OECD Smart City Measurement Framework which aims to assess not only the degree of digitalisation in cities, but also the level of stakeholders' engagement and how both contribute to improving the well-being of all urban residents and building inclusive, resilient and sustainable cities. It provides policy makers with a comprehensive, multi-dimensional and flexible tool that can be adapted to different city contexts.

This 3rd edition of the OECD Roundtable on Smart Cities and Inclusive Growth will build on previous achievements, and bring key stakeholders from cities, national governments, the private sector, civil society, academia and international organisations to:

- **Share** the innovative solutions to meet their net-zero objectives

- **Understand** the risks and barriers hindering the roll-out of smart city initiatives to boost the net-zero transition

- **Identify** the enabling factors that can help smart cities meet their net-zero objectives

- **Advance** the strengthening of the net-zero objective in the OECD Smart City Measurement Framework

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About the OECD Centre for Entrepreneurship, SMEs, Regions and Cities

The OECD Centre for Entrepreneurship, SMEs, Regions and Cities provides comparative statistics, analysis and capacity building for local and national actors to work together to unleash the potential of entrepreneurs and small and medium-sized enterprises, promote inclusive and sustainable regions and cities, boost local job creation, and support sound tourism policies.

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09:00 – 09:30	**Registration	Welcome coffee**
09:30 – 10:00	**Opening remarks**
	Moderator: Soo-Jin Kim (OECD) • **Nadim Ahmad**, Deputy Director, Centre for Entrepreneurship, SMEs, Regions and Cities (CFE), OECD • **Seong-ik Oh,** Director-General for Cadastral Resurvey Planning Office, Korean Ministry of Land, Infrastructure and Transport (MOLIT) • **Ilwhan An**, Ambassador of Korea to the OECD
10:00 – 11:45	**Session I: Smart cities and the net-zero transition: How can smart city initiatives boost the net-zero transition?**
	Moderator: **Aziza Akhmouch (OECD)** Cities are at the forefront of climate action and play a pivotal role in achieving net zero by 2050. Many cities around the globe have set net-zero objectives. How are new technologies helping cities reach their net-zero targets? **Key questions:** • How can smart city initiatives help cities reach net-zero objectives and become climate neutral? • What is the share of carbon emissions by sector such as buildings, energy, and transport in cities? • What are the key smart city tools with huge potential by sector? **Setting the scene : The scope of emissions in cities to reduce to net zero** • **Andrés Fuentes Hutfilter (OECD)** **Spotlight on an international initiative:** • **Frankie Downy,** Technical Lead on Energy & Buildings, C40

	Moderated panel: • **Martin Mooij**, Head of Certification and Projectmanager Paris Proof Dutch Green Building Council • **Marion Lagadic**, Project Manager Innovation, International Transport Forum • **Kazuaki TAKAHASHI**, Executive Director for Planning and Coordination Department, Climate Change Policy Headquarters, City of Yokohama **Questions and Answers** • **Joosep Vimm**, Deputy Mayor of Tallinn • **Foucauld Laurent,** EMEA Business Development Manager for Local Governments, Amazon Web Services (AWS) • **Seunghyun Jung,** development project manager of the Carbon Emission Map of Korea, Korea Institute of Civil Engineering and Building Technology **Questions and Answers** **Summary and Key Take-Aways by the Moderator**
11:45 – 12:15	**Family photo**
12:15 – 14:00	**Lunch break**
14:00 – 15:30	**Session II: Barriers and enabling factors for smart cities to meet their net-zero objectives**
	Moderator: Rene Peter Hohmann (OECD) While many smart city initiatives can help cities meet their net-zero objectives, their take-up or impacts have sometimes remained limited. Furthermore, the implementation of smart city tools can bring challenges and risks. What can national and subnational governments do to foster more use of smart city solutions and ensure that they help cities reach their net-zero objectives? **Key questions:** • How can we build the technical and financial capacity of cities to implement smart city initiatives towards the net-zero transition and include vulnerable less-connected citizens? • What kind of partnerships between tiers of government and with various stakeholders, such as the private sector, academia and citizens, are needed? • How can we identify and manage trade-offs and protect citizens' privacy? **Setting the scene :** • **Hyunjoon Cho (OECD)** **Moderated panel :** • **Curt Garrigan**, Chief, Sustainable Urban Development Section for the Environment and Development Division of UN ESCAP

- **Philippe Froissard**, Head of Unit, Future Urban and Mobility Systems, DG Research and Innovation, European Commission
- **Peter Sailer**, Project Director, International Smart Cities Network, Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH

Questions and Answers

- **Sebastiano Toffaletti** Secretary General, European DIGITAL SME Alliance. (European Digital SME Alliance)

- **Vida Rozite,** Policy Researcher and Advisor, International Energy Agency

- **Willington Feitosa**, Smart Cities Coordinator, Rio de Janeiro

- **Hongseok Lee**, Team Leader, Eco-friendly buildings team of the Seoul Metropolitan Government

Questions and Answers

Discussant : **Elisa Vilares**, Chair of OECD Working Party on Urban Policy (WPURB), Head of Division of Territorial Development and Urban Policy, DG Território

15:30 – 16:00	**Coffee break**

16:00 – 17:30	**Session III: How to measure the contribution of smart cities towards net-zero objectives?**

Moderator: Rudiger Ahrend (OECD)

While the potential of smart city solutions to help cities reach their net-zero objectives is huge, the extent to which smart cities actually contribute to these objectives needs to be properly assessed. Measuring the performance of smart cities towards net-zero objectives is critical to deliver policies that are grounded in evidence, track progress vis-à-vis their goals and adjust them for greater effectiveness.

Key questions:

- How to measure the contribution of smart cities towards net-zero objectives and what indicators should the OECD smart city measurement framework include?

- What type of challenges can cities meet in measuring the contribution of smart cities towards net-zero objectives and how to overcome them?

- How could the measurement framework be implemented in practice?

Setting the scene :

- **Camille Viros (OECD)**

Moderated panel :

- **John Smiciklas**, President, Chairman of the U4SSC Group on Digital Transformation Assessment of People-Centred Cities

- **Bruno Lanvin,** President of Smart City Observatory at IMD

Questions and Answers

	• **Dr. Jaeyong Lee**, Research fellow of the Korea Research Institute of Human Settlements • **Alexandre Santacreu**, Secretary General, European Metropolitan Transport Authority • **Danil Kerimi**, Advisor, World Smart Sustainable Cities Organization (WeGo) **Questions and Answers** **Discussant: Alessandro Alasia** Chair OECD Working Party on Territorial Indicators (WPTI), Assistant Director, Centre for Special Business Projects, Statistics Canada
17:30 – 18:00	**Session IV: Shaping the way forward for sustainable smart cities: next steps for the Programme on Smart Cities and Inclusive Growth**
	Moderator: Soo-Jin Kim (OECD) **Mentimeter with the audience on suggestions for future roundtables (5 min)** **Closing Remarks:** **Alessandro Alasia** Chair OECD Working Party on Territorial Indicators (WPTI), Assistant Director, Centre for Special Business Projects, Statistics Canada
18:00 – 19:30	**Cocktail (Room Roger Ockrent, Château)**

LOGISTICAL INFORMATION

Badge and security for on-site participants

Only registered participants will be able to access the conference. Security arrangements are tight around the OECD complex. Participants will need to be registered for the meeting to obtain access to the conference centre and should plan around 15 minutes to go through security measures at the entrance. There is an initial security check outside the Conference Centre where participants must show a QR pass (sent out by email to registered participants a few days before the event) either in printed form or on a smart phone. There is a second formal security entrance inside the Centre where you will be given a badge. On arrival, you need to register at the Reception desk to obtain your visitor's badge. Please bring a photo ID with you. For security reasons, you must wear your visitor's badge at all times.

Access to OECD

The entrance is located at **2, rue André Pascal – 75016 Paris**

Transport:

Metro/RER

• Line 9, La Muette station (9 minutes by foot)
• RER C, Avenue Henri Martin (7 minutes by foot) or Boulainvilliers station (11 minutes by foot)

Bus routes 22, 32, 52, 63, PC1 Stations

• La Muette-Boulainvilliers • Octave Feuillet • Porte de La Muette

More information at: https://www.oecd.org/site/conferencecentre/Get_to_OECD_Muette.pdf

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Contacts

Hyunjoon Cho | Senior Policy Analyst,
OECD Centre for Entrepreneurship, SMEs, Regions and Cities
(Hyunjoon.CHO@oecd.org)

Andrés Fuentes Hutfilter | Head of Environmental and Land Use Economics Unit,
OECD Centre for Entrepreneurship, SMEs, Regions and Cities
(Andres.FUENTES@oecd.org)

Rene Peter Hohmann | Senior Economist,
OECD Centre for Entrepreneurship, SMEs, Regions and Cities
(Rene.HOHMANN@oecd.org)

Camille Viros | Economist/Policy Analyst,
OECD Centre for Entrepreneurship, SMEs, Regions and Cities
(Camille.VIROS@oecd.org)