

## Virtual Knowledge Exchange Program

Global Smart City Partnership Program (GSCP) – Netherlands Enterprise Agency

*Smart Cities for Climate Resilience*

23-24 February 2022 | [Zoom](#)

World Bank's (WB) [Global Smart City Partnership Program \(GSCP\)](#)<sup>1</sup> and its long-term partners [Netherlands Enterprise Agency](#)<sup>2</sup> are organizing a **Virtual Knowledge Exchange Program on Smart Cities for Climate Resilience**. Two-day event will be held on February 23-24, 2022.

### Background

Building smart cities in developing countries goes beyond better governance or urban service delivery leveraged by available technology. It also means implementing smart and sustainable strategies for planning, managing, and governing cities in the way to improve the life of all social classes. Interactions and collaborations brought by smart technologies, government-led and citizen-driven initiatives, and Public-Private-Partnerships are key to increasing the efficiency of service delivery for all. The Netherlands offers one of the best examples of research and experimentation on smart, sustainable and low-carbon living scenarios, which can apply to many developing countries in the context of decreasing resources and emerging environmental and social issues.

This is the third of the knowledge exchange programs between the WB Smart Cities Team and their Dutch partners. Two successful face-to-face knowledge exchange programs in the Netherlands were organized respectively in 2017 and 2019 before the Covid-19 pandemic hit the world.

### Objectives

The main objective of the Virtual Knowledge Exchange Program on “Smart Cities for Climate Resilience” is to promote knowledge sharing between the key stakeholders in the government, private sector, civil society and academia from the Netherlands and the World Bank client countries on building smart cities for the climate resilient future. This virtual knowledge exchange builds on the successful face-to-face knowledge exchange programs in the Netherlands, in 2017 and 2019.

Building on the two previous knowledge exchange programs, this event will showcase Dutch innovations which focuses on minimizing the climate impact and maximizing the cities’ potential for the economy, its people, and achieving the Sustainable Development Goals (SDGs).

During this event the focus will be on:

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<sup>1</sup> GSCP is a partnership of WBG's Global Practice for Urban Disaster Risk Management & Land and the Republic of Korea's Ministry of Land, Infrastructure & Transport (MOLIT). MOLIT & the Korea-World Bank Partnership Facility (KWPF) have financed the Program since 2018.

<sup>2</sup> The Netherlands Enterprise Agency (Rijksdienst voor Ondernemend Nederland, RVO) is an executive body of the Dutch Ministry of Economic Affairs and Climate Policy (Ministerie van Economische Zaken en Klimaat, EZK). It helps business owners run sustainable, agricultural, innovative or international businesses.

1. Showcasing Dutch expertise and sharing the planning, implementing, and financing initiatives that made smart city projects a success
2. Facilitating interactive sessions where participants can share inspiring experiences, knowledge
3. Connecting the World Bank clients with different actors in the Netherlands in the smart city space to tackle their challenges in creating smart cities.

### **Participation**

Participation is by invitation only. The sessions will require active participation in English.

Participants are the World Bank client countries and cities supported by the Global Smart City Partnership Program (GSCP), the World Bank staff (task teams), Netherlands Enterprise Agency, Embassy of the Netherlands in Washington, DC, Dutch smart cities institutions, Dutch private sector, and academia.

The World Bank clients will be asked to prepare a short presentation about their challenges in preparing or implementing smart city projects in their countries, their experiences so far, and their needs for the future.

The program will also include a virtual matchmaking session between the Dutch experts and the World Bank clients. The session will be dedicated to thematic clinics where the participants will be assigned to breakout rooms to have one-to-one conversations with Dutch experts to discuss these challenges.

## DAY 1

## Start-End (ET)

<b>7:00-7:20</b> (20 min)	<b>Welcome &amp; Introduction to the Program</b> <i>Welcoming Remarks by Annette Wijering, Director of the International Trade Department of the Netherlands Enterprise &amp; Maitreyi Das, Practice Manager, Global Programs, Urban, Disaster Risk Management, Resilience and Land Global Practice, World Bank</i> Agenda setting, welcome remarks, introduction to the platform, and program overview
<b>7:20-7:45</b> (25 min)	<b>Icebreaker &amp; Networking</b> Meet your peers
<b>7:45-8:05</b> (20 min)	<b>Framing Presentation: Smart Cities in the Netherlands</b> <i>Presentation by Netherlands Enterprise Agency – Jacobine de Zwaan, project lead Climate Neutral and Smart Cities</i>  This session will outline the Dutch Smart City Strategy, setting the tone and objective of the virtual knowledge exchange program. It engages with the questions such as: What is the Dutch Smart Cities Strategy? Why was the strategy created and who are the stakeholders? What are current key projects? What are the plans of The Netherlands with regard to smart cities for climate resilience?
<b>8:05-8:45</b> (40 min)	<b>Introduction of the participants</b> <i>Short presentations by GSCP project teams and clients in the order of Egypt, Jordan, Mongolia, South Africa, Turkey, Uganda</i>  What are the smart city challenges of the participants in their countries and cities? How can smart city development help address the challenges? How do they want to benefit from the knowledge exchange? Or what solutions do they look for?
<b>8:45-8:55</b> (10 min)	<b>Coffee Break</b>
<b>8:55-9:25</b> (30 min)	<b>Thematic Presentation followed by Q&amp;A: Smart cities &amp; climate change: How we can use data and technology to make low carbon cities that are more climate resilient?</b> <i>Presentation by City of Rotterdam – Corjan Gebraad, Strategic Advisor Urban Management</i>  The city of Rotterdam is the largest port city of Europe. This session will focus on the efforts of the City on the use of digital technology to increase the livability now and in the future. The city of Rotterdam uses digital tools to attract people and business and to create an economic and climate resilient city.

**9:30-09:55**      **Thematic Presentation followed by Q&A: Smart mobility: Traffic and pollution monitoring and management**

(25 min)

*Presentation by City of Apeldoorn – Frans Jorna, Executive director public services, City of Apeldoorn*

How can we use traffic and pollution monitoring and management to make cities more climate resilient? The inner city of Apeldoorn, which is a good example for that, is going through a rapid transition. The existing infrastructure is not equipped for the mobility needs of the city's citizens in 2030. The Apeldoorn 2030 city leap programme will lead to a rapid increase of the city's population, with no room whatsoever to build new infrastructure.

**9:55-10:00**      **Wrap-up & Closing**

(5 min)

## DAY2

### Start-End (ET)

**7:00-7:05**      **Recap of Day 1 program and agenda setting for Day 2**

(5 min)

**7:05-7:45**      **SMART CITIES EXPO: Dutch Technologies**

(40 min)

*What smart city solutions and services can Dutch institutions and companies offer? How are they relevant to developing countries and cities?*

*Ignite presentations from the following Dutch institutions and companies: International Cooperation Agency of the Association of Netherlands Municipalities; TNO Innovation for Life, Institute for Future of Living, ARS Traffic & Transport Technology, MoveMobility, Space and Matter (Please see Annex 1 for more information)*

**7:45-8:45**      **Clinics with Dutch Experts/Virtual Matchmaking Session**

(60 min)

*One-to-one clinics: Each of the 6 companies will meet a team during the breakout session*

**8:45-8:55**      **Coffee Break**

(10 min)

**8:55-9:30**      **Thematic Presentation followed by Q&A: Strategic Smart city planning and management by and for citizens**

(35 min)

*Presentation by AMS Institute – Stephan van Dijk, Director of Innovation*

*Stakeholder Engagement - Collaboration is key in finding metropolitan solutions: it grows a deeper and interdisciplinary understanding of the topics at hand and sparks creativity in exploring them. AMS Institute is a networking organization that works with a broad coalition of stakeholders, including academic researchers, industry, civil society, policy makers, and all organizations part of the urban innovation community. The unique partnership with the Municipality of Amsterdam and the Metropolitan Area (AMA), is at the core of AMS Institute.*

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**9:30-9:55 Ask Me Anything/Group Reflections***(30 min)*

Group discussion where participants can freely ask any new or unanswered questions on contents covered in Day 1 and Day 2.

**9:55-10:00 Wrap-up & Closing***(5 min)*

## Annex 1. SMART CITIES EXPO - PARTICIPATING COMPANIES

### **VNG International - International Cooperation Agency of the Association of Netherlands Municipalities (VNG)**

*VNG International are experts in strengthening democratic local government in developing countries and countries in transition. Local governments play a key role in the provision of basic services including water, waste management, health care and housing. They have a profound impact on areas such as safety, food security, rule of law and women's rights. This is how our projects contribute in a sustainable way to better futures for people, communities and countries.*

[VNG International | VNG \(vng-international.nl\)](https://www.vng-international.nl)

### **TNO Innovation for Life**

*TNO connects people and knowledge to create innovations that boost the sustainable competitive strength of industry and well-being of society. This is our mission and it is what drives us, the 2,600 professionals at TNO, in our work every day.*

*TNO is a major player in a growing international network comprised of leading scientific institutes, companies with ambitious development profiles, universities and other partners in knowledge. The knowledge TNO develops, integrates, will make applicable and puts into practice will only have value if we can use it to have a real social and economic impact.*

[About TNO | TNO](#)

### **Institute for Future of Living**

*One of the most important challenges for smart cities and communities is working together and sharing. However, sharing smart, sustainable and scalable solutions with other cities and communities is difficult. This is where we can lend a hand.*

*Much has been written on smart cities and communities, and the advantages are obvious – better efficiency, lower costs, a healthy living environment and reliable infrastructures. All of this for a better quality of life.*

*With our work, we want to inspire and empower cities and communities, and connect them all over the world. Starting with the prioritized needs of a city or community, we facilitate consortia building and intercity solution replication.*

[Institute for Future of Living - Amsterdam Smart City](#)

### **ARS Traffic & Transport Technology**

*As an international market leader, ARS Traffic & Transport Technology has been providing traffic and transport technology solutions to private and public organizations for nearly 20 years.*

*It is our mission to provide our customers with cost-effective technology products that optimize the utilization and safety of existing and new infrastructure in the world-wide trend of urbanization and increasing mobility.*

*We are a partner to our clients and take full responsibility, from the implementation and integration stage of our customized products to the operations stage. We cover all required disciplines in this domain with our expert international team of consultants, traffic engineers, project managers and service managers, software architects and developers.*

[ABOUT – ARS Traffic & Transport Technology \(ars-traffic.com\)](http://ars-traffic.com)

### **MoveMobility**

*We are experts on urban sustainable mobility. With our focus on the human side of mobility we connect people, networks and partners with a single goal: to create Smart Moving Cities. We want to improve accessibility, livability, safety and economic vitality in countries, regions and cities by providing guidance towards the establishment of a sustainable transport and mobility system as early as possible in the urban planning process.*

*We participate in projects and business opportunities and define our projects in close collaboration with our partners.*

*In recent years we have completed projects in Africa (Kampala, Nairobi, Mozambique and Cape Town), the USA (i.e. Washington, Memphis, Austin, Houston), Mexico (Cuernavaca, Villahermosa), Georgia (Tbilisi), and the Middle East (Kurdistan Region Iraq, Iran).*

[MOVE MobilityExpertise - MOVE Mobility](#)

### **Space and Matter**

*We are a dynamic and well-rounded team of designers, makers and thinkers that can deal with spatial and strategic projects and processes in all stages and scales. In fact, our team extends beyond the confines of our studio. Experience has taught us that the best and most sustainable innovations occur when we involve people from different disciplines who share our values. Over time, we've built several social ventures and regularly engage these to increase the scale and impact of our projects.*

*For over a decade, government officials, project developers and community leaders have turned to Space&Matter for innovative solutions to complex urban challenges. We love undertaking sustainable, unconventional and meaningful projects that connect people with each other and the built environment. Blending together insights from diverse disciplines and always putting the needs of people first, we are constantly pushing ourselves and the people around us to be better.*

[About Space&Matter \(spaceandmatter.nl\)](http://spaceandmatter.nl)