

# 100 Climate Neutral Cities in Europe by 2030

14 June - 22 June



# 100 Climate Neutral Cities in Europe by 2030

## Discover opportunities for business and cities

Program Monday 14 June 2021 *(Version 4 June)*

Circularity (Energy-Water-Food-Waste)	Sustainable Buildings & Energy	Smart & Green Mobility	Urban Leadership
09:00 - 09:55	Opening facilitated by FME (panel)		
10:00 - 10:55	Circular Cities driven by Innovation (Floriade, Almere & Amsterdam)	The Zaragoza story: Joint investment Plans to accelerate public private partnerships (NBSO Barcelona, Groningen, Friesland, VNG)	Round Table Dutch Smart City Lighthouse: lessons learned for companies and cities (Netherlands Enterprise Agency)
11:00 - 11:55	Food Innovations (Floriade, Almere & Amsterdam)	Vision & Strategy to address future ways of living: New European Bauhaus (Ministry of the Interior and Kingdom Relations)	Public private citizen partnerships on measure our city projects (Future City Foundation, Eurocities)
12:00 - 12:55	Lunch break with key-notes facilitated by the Dutch Government's Innovation Community & the Ministry of Foreign Affairs		
13:00 - 13:55	The ecosystem approach: Local Digital Twins to create Climate Neutral cities (Dutch Societal Innovation Hub, Rotterdam, Helmond)	Creating an urban mobility system that works for everyone (FME, Agoria Belgium)	Mayor's manual podcast: Climate-neutral cities - fiercely attractive solutions for engagement & belonging (AMS Institute, city of Amsterdam)
14:00 - 14:55	Accelerating climate neutrality through events: the Olympic Games of 2024 (Netherlands embassy in Paris, FME, Green Wave)	How urban air mobility will change the way we organize and plan our cities (VNG)	Unlocking climate neutral co-benefits for digital infrastructures in cities (Netherlands Enterprise Agency)
15:00 - 15:55	The Blue Delta Coalition: how food, water and energy will help us to become sustainable (VNG)	Fossil free construction cities for a climate neutral city (Oslo, Amsterdam, FME, IQ, Regional business development team Nordics)	The European landscape of climate-neutral smart cities: how to engage for wide deployment of innovative solutions? (European Commission, Netherlands Enterprise Agency)
16:00 - 16:55	Building blocks of the Climate Neutral City; the concept and way forward		



# 100 Climate Neutral Cities in Europe by 2030

## Discover opportunities for business and cities

Program Monday 21 June 2021 *(Version 4 June)*

Circularity (Energy-Water-Food-Waste)	Sustainable Buildings & Energy	Smart & Green Mobility	Urban Leadership
09:00 - 09:55	Opening facilitated by Association of Netherlands Municipalities (VNG) (panel)		
10:00 - 10:55	Technology solutions for energy, water, food and how these solutions can be integrated (Sustainable Urban Delta, city of Dortmund)	Unleashing the potential of Smart Active Mobility for Climate Neutral Cities (Dutch Cycling Embassy, EU-Handshake & European Cyclists' Federation)	Help shape the role of municipalities in mission-driven innovation (City of Amsterdam)
11:00 - 11:55	League of International Test Beds (Cleantech Scandinavia)	Renovation Wave: using AI within the built environment (Ministry of the Interior and Kingdom Relations, AI-coalition)	Seeking: innovative solutions for zero emission waste collection and street cleaning (Eurocities, Big Buyers for Climate and Environment)
12:00 - 12:55	Lunch break with key-notes facilitated by the Dutch Government's Innovation Community & the Ministry of Foreign Affairs		
13:00 - 13:55	Circular Cities driven by Innovation part II (Floriade, Almere & Amsterdam)	Istanbul's vision & ambition for smart & green mobility: benefits of collaborating with one of Europe's few megacities (The Netherlands Innovation Network)	Public Private Partnerships to raise a climate neutral city (Cleantech Scandinavia, TNO)
14:00 - 14:55	Food Innovations part II (Floriade, Almere & Amsterdam)	How climate adaptation can be used to reach a climate neutral city: experiences from Denmark and The Netherlands (FME, IQ, Embassy of Copenhagen)	Financing as a driver for mission-driven deployment (EBRD Green Cities)
15:00 - 15:55	Fiercely Attractive Frontrunners on Positive Energy Districts (Groningen, Nantes, Sweden)	200 Intelligent & Climate Neutral Cities Jam (Amsterdam Smart City)	Financing the transition to climate-neutral cities: the investors perspective and financing possibilities (Smart Cities Marketplace)
16:00 - 16:55	Building blocks of the Climate Neutral City; the concept and way forward		

# Draft Workshop Descriptions 14 & 21 June

Monday 14 June

09.00 – 09.55

## Opening ceremony

While many European cities have embraced the climate-neutrality concept, developed strategies and implemented projects, a widespread breakthrough is not yet taking place. In the field of smart sustainable cities, innovation processes take place not only between industry partners alone, but in a wider context that also involves a variety of public and societal parties. It is important to realise this, and act upon it, since the market for smart sustainable solutions has a huge potential.

The European mission-driven approach is about tackling barriers, deploying solutions and creating market potential and impact by combining public and private forces. By working together in new ways, we can reach the target of 100 climate neutral cities by 2030!

During the opening a framework is set for the coming sessions. Panelists will share their views on what the climate neutral city should look like, how they can play a role in this, and eventually inspire people to think about new economic and social structures that are needed to accelerate entrepreneurship, investment, multi-level governance and innovation with impact.

### Program

Opening statement by Ministry of Foreign Affairs by Daniëlle van Mulukom, Head of International Business at the Ministry of Foreign Affairs

Context of today by FME by Aafke Mak, head of the smart city department

Panel discussion with thought leaders moderated by Aafke Mak

- Dirk de Bilde, CEO Siemens Nederland
- Rosalinde van der Vlies, Director Clean Planet at European Commission, DG Research & Innovation
- Mayor or Alderman from Dutch city (t.b.c.)

Summary & closing remarks by FME by Aafke Mak

We look forward welcoming you!

Facilitated by: FME

Contact person: Aafke Mak

Monday 14 June

10.00 – 10.55

## Exploration; Circular cities driven by innovation (Floriade)

From April 14, 2022, Almere will be the stage for six months for the world horticultural exhibition Floriade Expo 2022. The theme is “Growing Green Cities”. Dutch horticulture will then, together with national organizations and international participants, present innovations and solutions for sustainable and liveable cities. Two million national and international guests are expected to visit the world horticultural exhibition.

Floriade is linked to the development of a sustainable residential area Hortus in which the physical architecture and green living environment seamlessly merge and merge with technological possibilities. Sustainable innovation, with a focused view of the future of Almere, the expansion of the city with approximately 60,000 homes and approximately 100,000 inhabitants and its (growth) ambitions inextricably linked to it.

### Exploration

We (city of Almere, Amsterdam and Floriade) want to explore this with potential partners in a potential hybrid model where we connect new innovative propositions to the Floriade in 2021 and 2022 and take that, together, to a next level.

Set-up for the 14th: Setting the scene: why is innovation crucial for liveable cities, short talks by:

- |                  |   |                         |                             |
|------------------|---|-------------------------|-----------------------------|
| • Jeanine Peek   | <i>Topsector ICT</i>                    | • Grenoble              | <i>Green Award 2022</i>     |
| • Hans Bakker    | <i>CEO Floriade</i>                     | • Leonie van den Beuken | <i>Amsterdam Smart City</i> |
| • Geert-Jan Put  | <i>Economic Affairs Almere</i>          | • Petra Claessen        | <i>BTG</i>                  |
| • Brian Benjamin | <i>Digital City Almere and Floriade</i> |                         |                             |

Moderated by Danny Frietman

During this session 4 to 5 challenges will be shared which will be an invitation to be part of the session on the 21st of June where we meet you, the SME Innovators!

**Organisers:** City of Almere, Floriade BV, Amsterdam Trade & Innovate, Start-up Amsterdam, MRA, Up!Almere, We Make the City - Green

## The Zaragoza story; Joint investment Plans to accelerate public private partnerships

Great ambition the climate neutral city! But who is going to pay for it? To transform you need to invest.

Join us and learn about the journey that Zaragoza is taking as first city in Europe to make use of the one stop shop for funding based on their long term mobility plan. A financial instrument by the European Investment Bank (EIB) which enable cities to realize their mission of 2030. It takes a ecosystem approach and Public Private Partnership to accomplish this. But first of all; leadership, vision and a strategy to define concrete steps and Key Value Indicators (KVI's) to realize the 2030 targets.

**Contact person:** Jonas Onland, The Association of Netherlands Municipalities (VNG)

## Round Table Dutch Smart City Lighthouse: lessons learned for companies and cities

Horizon2020 featured the so-called smart city lighthouse projects, which successfully demonstrated an integrated approach to smart and low carbon transport, buildings and infrastructures in cities, with in-depth engagement of and co-creation with stakeholders. The Netherlands was very successful in securing R&I funding for these projects, resulting in six Horizon 2020 so-called Smart City Lighthouse projects covering clean mobility, energy efficiency, smart IT and infrastructures at district and city level in Eindhoven (Triangulum), Amsterdam (Atelier), Rotterdam (Ruggedised), Utrecht (IRIS), Groningen (MakingCity) and Alkmaar (POCITYF). With these projects in different stages of implementation, they offer a rich variety in experiences of setting up and executing such integrated, highly ambitious projects by public-private collaboration. What are the most important lessons learned, and what would they advise to companies and cities interested to participate in Climate City Contracts in future?

<b>Wanted:</b> Cities and companies that want to work in public-private partnerships	<b>Organisers:</b> Judith Borsboom (Locality) together with the respective cities	<b>Contact person:</b> Judith Borsboom (Locality)
--	---	---

Monday 14 June

11.00 – 11.55

## Exploration; Food Innovations (Floriade, Almere & Amsterdam)

Re-thinking food strategies as part of a circular economy is crucial. In the Metropole Region Amsterdam - Almere (MRA) redesigning and building on innovations around food is part of the strategic long-term [agenda](#). In 2022 (within the MRA region) the [Floriade 2022](#) will take place (in Almere). With a focus on 'growing green city' and the challenge of healthy living within the growth of cities, the event in 2022 comes at a strategic moment in time which offers an opportunity to present Food innovations (i.e. meat replacement) within the MRA strategic roadmap. The Floriade is open to explore innovative solutions by small and medium enterprises to be part of the Food experience during the Floriade 2022.

With more than 200 international delegates coming to Almere and the Floriade in 2022, and a potential of 1.5 million visitors in the course of the expo, it offers a unique playground and opportunity for organizations, start-ups, investors and more to connect to food innovations. It is our ambition to explore potential partnership with European based SME's, corporates and knowledge institutes to co-create a hybrid food experience, where we can connect new and existing food innovations to visitors from around the world during the Floriade 2022.

We (city of Almere, Amsterdam and Floriade) want to explore this with potential partners in a potential hybrid model where we connect new innovative propositions to the Floriade in 2021 and 2022 and take that, together, to a next level.

Set-up during the 14th Setting the scene: why is Food innovation crucial

- |  |  |   |                                |
|--|--|---|--------------------------------|
| • Video walkthrough on Floriade 2022 Food Strategy | • Sigrid Wertheim-Heck                         | <i>Aeres Hogeschool Lector Voedsel &amp; Gezond Leven</i> |                                |
| • Lenno Munnikes                                   | <i>FlevoCampus - supermarket of the future</i> | • Monique Vredenburg                                      | <i>Program manager food</i>    |
| • Joris Lohman                                     | <i>Foodhub</i>                                 | • Martine Sourbag   | <i>Challenge lead Agrifood</i> |
| • Erik Koldenhof                                   | <i>Gemeente Amsterdam, City Deal</i>           | • Susanna Butterman                                       | <i>World Food Center</i>       |
|  |  | • Moderated by Xander de Bruine                           |                                |

At the end of the session we will invite Food SME's and innovators to share their thoughts with us on the 21st of June!

**Organisers:** City of Almere, Floriade BV, Amsterdam Trade & Innovate, Start-up Amsterdam, MRA, Up!Almere, We Make the City - Green

**Contact person:** Danny Frietman, City of Almere

## Vision & Strategy to address future ways of living: New European Bauhaus

*A session with inspiration for a wide audience involved in keeping, creating and making cities and towns sustainable and human centered.*

A session with inspiration for a wide audience involved in keeping and making cities and towns sustainable and human centered.

Your host, Mr. Robert Dijksterhuis - Dutch Sustainable Building Envoy, Ministry of Interior & Kingdom Relations will discuss and explore the opportunities of the New European Bauhaus (NEB) announced beginning of 2021 by the European Commission. It is a creative and interdisciplinary initiative, convening a space of encounter to design future ways of living, situated at the crossroads between art, culture, social inclusion, science and technology. It brings the Green Deal to our living places and calls for a collective effort to imagine and build a future that is sustainable, inclusive and beautiful for our minds and for our souls.

Join to see and hear more about The New European Bauhaus and learn from the experience of innovators and enablers in three cases which will give insight and highlight current innovative inclusive design approach applied in the Netherlands.

**Speakers in this session are:**

- Mr. Floris Alkemade, Chief Government Architect (Rijksbouwmeester) of *College van Raadsadviseurs* on the New European Bauhaus, the Dutch housing challenge linked to essential sustainability requirements of the construction sector. [College van raadsadviseurs](#), is the Board of Government Advisors, an independent advisory board which advises the Dutch cabinet on spatial quality, upon request or at its own initiative.
- Mr. Tjeerd Haccou, architect and founding partner of *Space & Matter* on [Schoonschip](#), a floating sustainable neighborhood located in Buiksloterham, a neighborhood in Amsterdam-Noord where the robustness of old industry goes hand in hand with sustainable new-build projects. [Space & Matter](#) is an Amsterdam-based studio for spatial and strategic design.
- (spokesperson tbc) *City of Rotterdam* on [Culture Campus, the City's Future](#) and New European Bauhaus. Starting in 2022, location Charloisse Hoofd will turn in to Rotterdam's latest hotspot "*the Culture Campus*" the place where locals, cultural creatives, educators, students and scientists derive inspiration from the city's skyline and from each other.
- Ms. Vera Winthagen, Policy analyst and Industrial designer, part of the *Joint Research Centre JRC*, [New European Bauhaus](#) team of the European Commission. She will reflect on the cases presented.

**Wanted:**

- Businesses
- Cities/regions policy makers, procurement officers
- Other groups for which New Bauhaus development is relevant: academia; architecture, inclusive design professionals

**Organised by:** Ministry of the Interior and Kingdom Relations

**Contact person:** Diana van Altena, Ministry of the Interior and Kingdom Relations

## Public private citizen partnerships on measure our city projects

More and more municipalities are experimenting with citizen measurement projects. In addition, citizens, with the support of the municipality, install sensors to measure a certain aspect of the quality of life in that neighbourhood. Collecting data offers residents insight into their own living environment and indicates how they can enhance it. For municipalities (and other authorities) this offers the advantage that they can attune their policy and services much more precisely to reality (based on measurement results instead of assumptions) and can therefore work much more effectively. There are enormous business opportunities for suppliers of sensors, processors of data, parties that maintain contact with citizens and the traditional market must adapt to this new reality. However, there are also drawbacks and challenges on comparing results, on involving citizens and on avoiding a digital divide.

On this topic the City Deal 'A smart city, this is how you do it', works together with Eurocities, supported by the TSI-programme of the EU.

During a talk show session we engage with various stakeholders in this process and learn from their experiences: citizens, eldersmen, scientists, businesses and representatives of Eurocities.

### Program timeline

00 - 10 min • Welcome by Jan-Willem Wesselink of the Future City Foundation and City Deal 'A smart city, this is how you do it' (host)

10 - 25 min • **Topic 1:** Debate between citizens (representatives), eldersmen and business about the question how to engage citizens in citizen measurement projects. Focus on why, how and good examples.

25 - 40 min • **Topic 2:** Debate between scientists, business and Eurocities on how to compare data between various projects. Why is that important, what are the obstacles and what are good examples.

40 - 55 min • **Topic 3:** Debate between Eurocities, eldersmen and citizens on how to avoid a digital divide and safeguard democracy on these kind of projects.

**Wanted!** Local authorities that want to get started with this, citizen groups and businesses

**Organized by:** Future City Foundation / City Deal "A smart city, that's how you do it"; EuroCities & Urban agenda (Ministry of the Interior and Kingdom Relations)

**Contact person:** Jan Willem Wesselink, Future City Foundation

Monday 14 June

12.00 – 12.55

## Lunch break with key-notes facilitated by the Dutch Government's Innovation Community & the Ministry of Foreign Affairs

In an energetic hour thought leaders will share their achievements, perspectives and experiences realising their ambition. We will discuss what we still need, want and must do in the years to come.

### Line-up:

1. Pallas Agterberg - Challenge Officer Alliander
2. Leen Peeters - Owner at Th!nk E
3. Buster Franken - CEO of FruitPunch AI

**Facilitated by:** Dutch Governments' Innovation Community, Dutch ministry of Foreign Affairs

**Contact person:** Frits Bussemaker, Dutch Government's Innovation Community

## The ecosystem approach: Local Digital Twins to create Climate Neutral cities

To become climate neutral the digital transformation can help us to accelerate to accomplish our shared mission. To move from mission towards concrete steps we work with iconic projects; digital solutions that solve several societal challenges with multiple technologies. One of these iconic projects are Local Digital Twins; the future operating system of the sustainable city. But how do we get there? One of the main drivers for change are the ecosystems (municipalities and regions) where citizens, government, business and knowledge come together. Through the ecosystem 'Dutch Societal Innovation Hubs' approach the VNG, IPO and several ecosystems will explain the steps and challenges in helping to create the digital infrastructure of the Netherlands.

**Contact person:** Jonas Onland, The Association of Netherlands Municipalities (VNG)

## Creating an urban mobility system that works for everyone: a Belgian-Dutch cooperation

How can technology ensure that we do not only go from A to B as fast as possible, but also do that as clean and sustainable as possible? What modal shift do we need, and how do we achieve that? Join FME and Agoria members, as well as Belgian and Dutch cities, for a discussion and brainstorm on climate neutral mobility!

### Programme:

- Introduction by/of FME and Agoria
- The benefits of Belgian-Dutch cooperation
- Key notes by front runner cities about their challenges:
  - o City of Apeldoorn – Wim Willems, alderman of the City of Apeldoorn
  - o City of Leuven/Louvain – Katrien Rycken - Leuven2030
- Q&A / moderated discussion

**Organised by:** FME, Agoria

**Contact person:** Aafke Mak, FME

## Mayor's manual podcast: Climate-neutral cities - fiercely attractive solutions for engagement & belonging

From the kitchen table at AMS Institute, we present the Mayor's Manual podcast. A podcast in which we seek solutions to urban challenges. Together with thinkers and doers we explore what should be on every Mayor's Manual. We discuss a broad variety of urban challenges, issues and solutions such as the social side of a true circular city, the path to a safe and democratic digital city, innovations that already exist for our future mobility systems and how we can include inhabitants of future neighbourhoods in creating their own future proof built environment?

Our upcoming episode is tailored specifically to helping you make European cities reach their target of becoming climate neutral by 2030 and doing so through inclusive citizen engagement. Listen in for a conversation about the creation of inclusive, climate neutral cities with Leonie van den Beuken, program director of Amsterdam Smart City, and Alexandra Almaral, founder of the Shift Initiative. Leonie is an expert in creating inclusiveness in citizen engagement initiatives and Alexandra an expert on belonging, engagement and inclusiveness with a passion for communities.

Our hosts Kenneth Heijns, general director of AMS Institute, and Sacha Stolp, director of the future-proof assets program of the city of Amsterdam are sitting at the kitchen table to inspire you and other thinkers and doers to accelerate global urban transitions and help European cities become climate neutral by 2030.

Find us on [Spotify](#), [Apple Podcast](#) and [Google Podcasts](#). The Mayor's Manual podcast is produced by the municipality of Amsterdam, AMS institute and the Dutch Enterprise Agency.



## Accelerating climate neutrality through events: the Olympic Games of 2024

How can you give your city a push towards climate neutrality by organizing a (big) event? During this session, the City of Amsterdam (Netherlands) and the City of Paris (France) share their challenges in reaching their sustainability goals and discuss the opportunities organizing an event in your city can bring. More specifically, Paris will share their experiences with the upcoming 2024 Olympics.

### Programme:

- Introduction
- Key notes, in which both speakers will share experiences and insights
  - City of Paris (tbc)
  - City of Amsterdam – Leonie van der Beuken, head of Smart City Amsterdam
- How can society at large profit from the organization of (sports)events? by More2Win – Michiel van Rijn van Alkemade, director
- Q&A

**Organised by:** Netherlands Embassy in Paris, FME, Green Wave      **Contact person:** Aafke Mak, FME

## How Urban Air Mobility will change the way we organize and plan our cities

We went from horses to cars, now we go from cars to flying cars. It will drastically change the way we will organize the climate neutral city. In 10 years this will be a fact of life. So we need to start thinking on how we plan are cities. Do we still need roads? Or can we plant trees?

Urban Air Mobility (UAM) makes it possible to directly move towards a shared mobility concept, based on clean energy and less movement. But what is necessary to realize this? And what do we need to today to make sure we make the right decisions for tomorrow. Within this session you will learn more on what the European Commission and several consortia are doing. Your will learn that the sky is not the limit.

**Contact person:** Jonas Onland, The Association of Netherlands Municipalities (VNG)

## Unlocking climate neutral co-benefits for digital infrastructures in cities

Technologists are often told that they should not supply technology but need to collaborate in integrated solutions and create value. These purpose driven solutions often have complex business models and value chains. Even more, they depend on digital infrastructures which are essential to coordinate strategic synergies. Unfortunately these infrastructures are slow which results in maturing of the market for innovative, integrated and sustainable solutions insufficiently taking place and the climate-neutrality goals becoming further out of reach.

How to speed up? Creating a solid digital infrastructure is all about accelerating entrepreneurship, investment and innovation with impact. During the workshop we will dive into impact measurement frameworks and business models on the wide portfolio approach of digital infrastructures. We will set up an interactive dialogue - lead by Henk de Jong, CEO PBLQ - with European frontrunners who will share their successes, failures and lessons. Their insights will be cocreated into tools which will encourage administrators integrate climate neutral ambitions in their digital infrastructure policies and deployment activities.

**Organisers:** Netherlands Enterprise Agency, PBLQ

**Contact person:** Jacobine de Zwaan, Netherlands Enterprise Agency

## The Blue Delta Coalition; let's bring in circularity towards broad prosperity

Food, water and energy are the core building blocks of the climate neutral cities. But how do we secure that every city has the availability of these building blocks? In a way that it's circular, locally produced and helps to decrease carbon emissions? Therefore we need to adjust this industry. In the northern part of the Netherlands there is a solution; the blue Delta Coalition. The ecosystem with a history of 800 years in innovation in water, food and energy is taking the step into the next era in a community driven approach. In this session you will learn on the impact and ambitions of the Blue Delta Coalition in helping cities to become climate neutral.

**Contact person:** Jonas Onland, The Association of Netherlands Municipalities (VNG)

## Fossil-free construction sites for a climate neutral city (Oslo, Amsterdam)

In order to make cities climate neutral by 2030, the construction process has to achieve the same. Additionally, construction sites can serve as a testbed for larger sustainability issues within a city. During this session, we will discuss the possibilities for making the construction site more sustainable, focusing on more efficient power consumption, removing diesel generators and using sustainable alternatives.

### Programme:

- Introduction and key-note by the city of Amsterdam by Sacha Stolp, Director of Innovation for the Future Proof Assets Program
- Experiences and future ambitions by the city of Oslo by Ingrid Bjerke Hauan, Climate Advisor at the city of Oslo
- Panel discussion
- Moderated Q&A
- Key points & common threads + opportunities for cooperation by Marcus Scolière, regional business development team Nordics and Baltics

**Organised by:** FME, InnovationQuarter, Regional business development team Nordics & Baltics, City of Oslo, city of Amsterdam

**Contact person:** Aafke Mak, FME

## The European landscape of climate-neutral smart cities: how to engage for wide deployment of innovative solutions?

Have you always been curious to hear from the European Commission itself how you can engage in European policies and knowledge sharing networks on deployment of innovative climate-neutral and smart solutions? This is your chance! With the new programming period of the European Commission, the Green Deal and post-Covid 19 Recovery Funds of Next Generation EU, many new opportunities for large-scale innovation and deployment of climate-neutral smart city solutions in local and regional ecosystems have been created.

This session highlights recent European policy and funding developments on decarbonising cities from the energy, mobility, digitalization and local and regional perspective. European policy officers Georg Houben (DG-Energy), Robert Schröder (DG-Move, tbc), Christina Martinez (DG-Connect) and Jérôme Böhm (DG-Regio, tbc) explain the European landscape of policies as the Renovation Wave and Living-in.EU, relevant networks as the Smart Cities Marketplace, 100 Intelligent Cities and CIVITAS, and new possibilities for funding.

How can city administrations, urban stakeholders, businesses, researchers and citizens engage to hear more about lessons learned and fund their plans? In this interactive session there will be ample opportunities for Q&A with the audience.

**Wanted:** Cities, businesses and researchers that want to apply for R&I funding for climate-neutral and smart cities in the field of clean and smart mobility, energy-efficient districts and integrated IT infrastructures, next to policy makers

**Organisers:** Judith Borsboom (Locality) and Corinne van Voorden (Netherlands Enterprise Agency) **Contact person:** Judith Borsboom (Locality)

## Opening ceremony

## Unleashing the potential of Smart Active Mobility for the EU ambition to create 100 Climate Neutral Cities by 2030

Cities and climate change are deeply intertwined; urban activity is one of the greatest contributors to the global carbon footprint. However, climate change also poses an immense threat to city life. Shifting towards active mobility is perhaps the most powerful transformer for creating sustainable and safe cities that are actively contributing to reducing carbon emissions as well as becoming socially equitable, healthier, and happier places to live. The ambition of the EU to create 100 climate neutral cities by 2030 cannot be reached without seriously investing in smart active mobility and improving cycling conditions.

This session can focus on finding answers to questions such as how to build on the active mobility momentum during COVID-19 and how to build back better (now and during the aftermath)? What are the policies and interventions needed to achieve modal shift towards active mobility? And which business solutions are most promising in this respect? And how can this strengthen the ambitions of the EU to create 100 climate neutral cities by 2030?

### Program

- Welcome (5 min)
- Why is it important to focus on the transformative shift towards active mobility? (presentation) (5 min)
- What are best practices? (presentation, including recap of Celebrating Cycling Cities-event that we will launch on June 1st in collaboration with the European Cyclists' Federation and during which best practices will be shared) (10 min)
- How do we move forward most successfully? (workshop focusing on answering the question what is needed for the transition towards climate neutral cycling cities and which business solutions might be most promising?) (25 min)
- Recap and follow-up (10min)

**Wanted!** public-private partners working in the broad field of active mobility (including business partners from the network of the Dutch Cycling Embassy)

**Organized by:** Dutch Cycling Embassy, European Cyclists' Federation, EU-Handshake project

**Contact person:** Lucas Harms, Dutch Cycling Manager

## Technology solutions for energy, water, food and how these solutions can be integrated

For decades, green belts -where food for the city is produced– have been pushed away by rapidly expanding cities. City planners who focused on concrete and steel, completely lost sight of food production in their city.

As a result, food is now being produced further and further away from the city, which has led to undesirable consequences:

- **CO2:** food must be transported over often enormous distances before it reaches the consumer. This not only leads to additional CO2 emission, but also causes enormous waste of food as the quality of fresh food deteriorates too much during transport;
- **Water & energy:** food is produced on an increasingly larger scale to keep costs as low as possible. These large-scale operations have no interest in efficient water or energy consumption, which makes the ecological footprint larger than necessary;
- **Food security:** cities are depending heavily on other provinces or countries for food supply. There are great risks associated with such a dependency: disasters on a political, environmental, economic but also epidemiological level can cut off the entire food-supply.

These negative effects can be avoided by bringing food production back to the city. This would solve many environmental problems caused by the way we produce, transport and waste our food today. A food-producing city is a livable city and will boost entrepreneurship, create more social cohesion and a green living environment. Moreover, it offers opportunities to take steps towards a circular economy by applying integrated solutions related to energy and water.

The goal of the workshop will be to design a food producing city where energy, water and waste are used optimally by citizens who work, live, study and play. Reference case will be Phoenix West, an old industry site in Dortmund that is being redeveloped. Sub-sessions will look into (technology) solutions for energy, water, food and how these solutions can be integrated. In the closing (plenary) session a sketch will be made of the input from the sub-sessions.

**Wanted!**

Urban planners, city government officials, (engaged) citizens, urban farmers, specialists in the field of renewable energy, water management, circular economy.

**Organizers:** Sustainable Urban Delta, Priva, City of Dortmund, World of Walas

**Contact person:** Thera Rohling, Sustainable Urban Delta & Priva

## Help shape the role of municipalities in mission-driven innovation

Besides the many challenges that cities need to address, it is crucial we find an effective way HOW to do this. We believe that mission-driven innovation is the way to go, but what does this buzz term actually mean? How could we apply this in our daily work? What kind of culture is appropriate? How to stimulate learning across initiatives and sectors? We will explore this with you while diving into a couple of urban challenges like futureproof electricity supply, sustainable digital infrastructure and data-driven circular renovation and isolation.

**Program:**

1. Plenary presentation and Q&A
2. Break outs to dive into the urban challenges, with a couple of co-creation exercises
3. Plenary share back and group discussion

**Wanted:** People who work at municipalities, national government, advisory bodies and semi-governmental organizations

This session is organized by the innovation department of the city of Amsterdam

**Contact person:** Elisabeth Leegwater

Monday 21 June

11.00 – 11.55

## League of International Test Beds (Cleantech Scandinavia)

### Renovation Wave: using AI within the built environment

*Artificial Intelligence and climate neutrality, where and how do they meet in the building and construction sector?*

The Renovation Wave Strategy, published by the European Commission last autumn, aims to at least double renovation rates in the next ten years and make sure renovations lead to higher energy and resource efficiency. AI is key to fast track this challenging strategy.

Your hosts, Mr. Robert Dijksterhuis - Dutch Sustainable Building Envoy, Ministry of the Interior & Kingdom Relations and Mr. Huub Keizers - Coordinator Built Environment Netherlands AI coalition (NLAIC) / Bouw en Techniek Innovatiecentrum (BTIC) will take you on an innovative journey in the use of AI in the building and construction sector.

Join and experience new ways of working and learn about the experience of innovators and enablers in three projects, become aware of the advantages requirements to facilitate the uptake and use of AI in refurbishing and improving building stock.

**Wanted:**

- Construction sector businesses / SME
- Public sector: cities/regions policy makers, procurement officers
- Public entities with procurement authority and businesses.
- Research institutions
- Educational and training institutions



**Organized by:** Ministry of the Interior and Kingdom Relations, AI-Coalition

**Contact person:** Diana van Altena, Ministry of the Interior and Kingdom Relations

## Seeking: innovative solutions for zero emission waste collection and street cleaning

In order for European cities to reach a zero emission fleets by 2030, innovative solutions are necessary in particular for zero emissions heavy duty vehicles, from waste collection to street cleaning and heavy delivery. Even if some electric solutions are already on the market they are on average more expensive and less performing than their diesel counterparts. Battery performance and recharging infrastructure remain one of the biggest challenges.

Through this session, we want to hear from companies on their latest products in the field of electric heavy-duty vehicles, particularly for retrofitting solutions, recharging infrastructure, and automation. We are also interested to hear from European projects and research on how to create business models and private-public cooperation for a zero emission waste collection services, particularly in compact city centers.

**Interested?** Experts in the field? Join the discussion and try to answer these questions with us:

- What important developments can be expected in the area of BEH and FCEV waste collectors within the next 5 years?
- Will it be possible to get all the waste collectors of the European cities emission free by the beginning of 2030?
- What is the expected production capacity in the next years of emission free chassis?

Are there experiences with innovative public-private cooperation models?

**Organized by:** Eurocities ([www.bigbuyers.eu](http://www.bigbuyers.eu)) The City of Rotterdam, Amsterdam, The Hague, Barcelona and Haarlem (TBC)

**Contact person:** Manon Ghislain, Eurocities

Monday 21 June

12.00 – 12.55

## Lunch break with key-notes facilitated by the Dutch Government's Innovation Community & the Ministry of Foreign Affairs

In an energetic hour thought leaders will share their achievements, perspectives and experiences realising their ambition. We will discuss what we still need, want and must do in the years to come.

**Line-up:**

1. Catahalijne Dortmans - Alderwoman of the municipality of Helmond
2. Jaroslav Kacer - Former alderman of the municipality of Brno
3. Andy Lurling - Founding Partner LUMO labs

**Facilitated by:** Dutch Governments' Innovation Community, Dutch ministry of Foreign Affairs

**Contact person:** Frits Bussemaker, Dutch Government's Innovation Community

Monday 21 June

13.00 – 13.55

## Exploration; Circular cities driven by innovation (Floriade)

From April 14, 2022, Almere will be the stage for six months for the world horticultural exhibition Floriade Expo 2022. The theme is "Growing Green Cities". Dutch horticulture will then, together with national organizations and international participants, present innovations and solutions for sustainable and liveable cities. Two million national and international guests are expected to visit the world horticultural exhibition.

Floriade is linked to the development of a sustainable residential area Hortus in which the physical architecture and green

living environment seamlessly merge and merge with technological possibilities. Sustainable innovation, with a focused view of the future of Almere, the expansion of the city with approximately 60,000 homes and approximately 100,000 inhabitants and its (growth) ambitions inextricably linked to it.

### Exploration

We (city of Almere, Amsterdam and Floriade) want to explore this with potential partners in a potential hybrid model where we connect new innovative propositions to the Floriade in 2021 and 2022 and take that, together, to a next level.

### Set-up for the 21st: Meeting the innovators

- Pitch event (using network tables or other dashboard tool)
- Discuss and explore challenges and opportunities

- Confirmed SME's: BIYU (Amsterdam), SYNCHRO SPACE and WorldStartup (Rivne) and City-as-a-service (BTG and solution partners)

Moderated by Danny Frietman

**Organisators:** City of Almere, Floriade BV, Amsterdam Trade & Innovate, Start-up Amsterdam, MRA, Up!Almere, We Make the City - Green

## Istanbul's vision & ambition for smart & green mobility: benefits of collaborating with one of Europe's few megacities

As one of Europe's few mega cities, the challenges Istanbul faces in terms of the transition to smarter and greener mobility are immense. The privately owned car remains the most popular form of mobility, and that has become even stronger during the COVID-19 pandemic. On average, Istanbulites lose 2,5 hours per day due to being stuck in traffic. Imagine what this does to Istanbul's air quality.

Luckily, the city of Istanbul strongly feels the need to make this transition to a smarter and greener form of mobility. Not just by transitioning to e-mobility, but also by redesigning public space to accommodate active forms of mobility, such as walking and cycling and by improving access to public transportation.

The Dutch economic network in Turkey has been in close cooperation with Istanbul's city officials to see where Dutch organizations can make the difference in this transition. Supported by the RVO, we have undertaken studies and organized several visits, seminars and workshops in order to bring focus in our collaboration. Together with the city of Istanbul, we have decided to focus our future collaboration on data driven mobility, public space redesign and e-mobility.

Now it is time for to define and develop next steps: how can Istanbul's vision and ambition for its transition to a smarter and greener mobility system lead to increased collaboration with Dutch organizations? In what way can Istanbul position itself as a living lab for testing innovative solutions? Is Istanbul's local innovation ecosystem mature enough to provide and deploy innovative solutions? And can EU funding programs help kick start our collaboration?

Together with the city of Istanbul, we will discuss the aforementioned questions and define an agenda for the near future that will lead to increased collaboration.

### Program

- **13:00-13:05 Opening remarks & introduction**  
Rory Nuijens, Innovation Attache, The Netherlands Innovation Network
- **13:05-13:15 Istanbul's vision and ambition for its transition to a smarter and greener mobility system, Data-Driven Mobility Approach**  
Burcu Özdemir, Director of Smart City Directorate at Istanbul Metropolitan Municipality
- **13:15-13:25 Istanbul's experience in EU Funds/EIT KIC Urban Mobility Program and its future focus areas**  
Gökçe Birgin, EU Relations, Istanbul Metropolitan Municipality (TBC)
- **13:25-13:35 University approach on EU Funds, Outcomes of the Smart and Green Mobility in İstanbul Fact-Finding Study**  
Eda Beyazıt İnce, Associate Professor at the Urban and Regional Planning Department at Istanbul Technical University (ITU) and the founding director of IstanbulON Urban Mobility Lab
- **13:35-13:45**  
Kenan Aksular, Founder of Clearwater Innovations B.V.
- **13:50-13:55 Closing and Q&A**

## Public Private Partnerships to raise a climate neutral city (Cleantech Scandinavia, TNO)

Public Private Partnerships (PPPs) have been used for infrastructure business for decades. The new development in terms of Smart and Sustainable Cities and the need to coordinate several stakeholders to reach goals of climate neutrality frame PPPs as the logical way to operate in the current context. However, their deployment is still limited in these types of applications. What are the challenges and how can we overcome them?

The goal of this 55 minutes workshop is to identify not only potentials, but also areas of improvement and suggestions to realize said improvements. For that, we will invite panelists from the investment area, municipalities and other involved institutions who have already have some sort of contact with PPPs. The ideal number of panelists would range between four and six.

The methodology to come to the identification of potential and the areas of improvement will be made through the presentation of 3 different theoretical urban cases. It is basically brainstorming regarding the application of a PPP for three cases in three different areas. The approach to those cases from the different actors will hopefully raise known possibilities and issues on PPPs, such as difficult risk allocation or trust issues, and less-known ones. At the same time, we want to hear the suggestions of panelists and audiences to overcome the issues from their own experience and perspectives.

### Structure of the workshop:

1. Introduction (5 minutes) Short introduction of the panelists and their experience (no more than 3 minutes per panelist)
2. Case analysis (10 minutes each):
  - a. Electric mobility.
  - b. Data obtention and sharing.
  - c. Improvement of urban biodiversity / greening brown infrastructure.
3. Conclusions and closure (5 minutes)

**Organised by:** Cleantech Scandinavia, TNO

**Contact person:** Magnus Agerstrom, Cleantech Scandinavia

Monday 21 June

14.00 – 14.55

## 25. Exploration; Food Innovations (Floriade)

Re-thinking food strategies as part of a circular economy is crucial. In the Metropole Region Amsterdam - Almere (MRA) redesigning and building on innovations around food is part of the strategic long-term [agenda](#). In 2022 (within the MRA region) the [Floriade 2022](#) will take place (in Almere). With a focus on 'growing green city' and the challenge of healthy living within the growth of cities, the event in 2022 comes at a strategic moment in time which offers an opportunity to present Food innovations (i.e. meat replacement) within the MRA strategic roadmap. The Floriade is open to explore innovative solutions by small and medium enterprises to be part of the Food experience during the Floriade 2022.

With more than 200 international delegates coming to Almere and the Floriade in 2022, and a potential of 1.5 million visitors in the course of the expo, it offers a unique playground and opportunity for organizations, start-ups, investors and more to connect to food innovations. It is our ambition to explore potential partnership with European based SME's, corporates and knowledge institutes to co-create a hybrid food experience, where we can connect new and existing food innovations to visitors from around the world during the Floriade 2022.

We (city of Almere, Amsterdam and Floriade) want to explore this with potential partners in a potential hybrid model where we connect new innovative propositions to the Floriade in 2021 and 2022 and take that, together, to a next level.

### Set-up during the 21th: Meeting of the minds

- o Pitch event (using network tables or other dashboard tool)
- o Discuss and explore engagement starting in 2021 and beyond

**Organisers:** City of Almere, Floriade BV, Amsterdam Trade & Innovate, Start-up Amsterdam, MRA, Up!Almere, We Make the City - Green

**Contact person:** Danny Frietman, City of Almere

# Climate Change Adaptation Towards 2025: Experiences from Denmark and The Netherlands

Cities around the world increasingly face the adverse effects of climate change, including rising sea levels, climbing temperatures, longer periods of drought and stronger storms. When combining these phenomena with the challenges of increasing urbanisation and the fact that most cities have extensive areas of impermeable surfaces, the need for rethinking urban development is clear.

Climate adaptation seeks to lower the risks posed by the consequences of climate change, including flooding that arises from extreme rain events. Over the next decade, both the Netherlands and Denmark will invest heavily on adapting its cities to climate changes, and both nations have already implemented several efforts in climate adaptation. A key aim is to combine climate change adaptation with urban development and gain greater value. Instead of expanding the underground sewage system, municipalities and utilities are collaborating on making dual-purpose solutions.

In this respect, Nature Based Solutions (NBS) can play a key role in urban water management and contribute to building cities that are attractive for people to live, work and play in.

This session will highlight the climate change adaptation efforts and experiences from Denmark and the Netherlands, as well as highlight some of the innovative solutions for cities to future risks and challenges as a results of climate change.

## Programme

- Introduction by moderator: Climate neutral cities towards 2025
- Presentation: Rotterdam's Climate Change Adaptation plan and key solutions by Johan Verlinde, programme manager Rotterdam WeatherWise
- Presentation: Copenhagen's Climate adaptation plan and key solutions by Lykke Leonardsen, Head of Program for Resilient and Sustainable City Solutions, City of Copenhagen
- Panel discussion: what are future challenges and how do we solve them? With:
  - o Ole Schrøder, Founding Partner, TREDJE NATUR
  - o Johan Verlinde, Programme Manager, City of Rotterdam
  - o Roy Janssen, Marketing Director, Rockflow, ROCKWOOL Group
  - o Martin van Rijn, Director Product Management, Staal Instruments

## Background information:

[https://stateofgreen.com/en/uploads/2021/03/SoG\\_WhitePaper\\_LAR\\_2020\\_210x297\\_V09\\_WEB.pdf?time=1620201362](https://stateofgreen.com/en/uploads/2021/03/SoG_WhitePaper_LAR_2020_210x297_V09_WEB.pdf?time=1620201362)

**Organised by:** FME,IQ, Embassy of Copenhagen, Regional business development team Nordics & Baltics, Dansk Industri, State of Green

**Contact person:** Aafke Mak, FME

## Financing as a driver for mission-driven deployment (EBRD Green Cities)

“EBRD Green Cities strives to build a better and more sustainable future for cities and their residents. The programme achieves this by identifying, prioritising and connecting cities’ environmental challenges with sustainable infrastructure investments and policy measures.” During this interactive session organized together with the EBRD, we aim to learn more about what the initiative achieves on the ground in some of the EU cities that are part of the EBRD programme.

How does EBRD Green Cities enable and establish public-private cooperation and bring together the various stakeholder interests to shape and finance green and sustainable projects that contribute to the EU ambition to have 100 climate neutral cities by 2030? We have several invited city representatives to participate in a panel to provide us with local insights and share their own experience. The session will be moderated by the EBRD and also the Dutch Constituency Office will join the discussion.

Please join us!

**Contact person:** Jurre de Bok, Netherlands Enterprise Agency



## Fiercely Attractive Frontrunners on Positive Energy Districts (Groningen, Nantes, Sweden)

A session with inspiration for a wide audience involved and/or interested in the development of Climate Neutral Cities and Positive Energy Districts.

With the Mission ‘100 Climate Neutral Cities in 2030 – by and for Citizens’ and the aim for a climate-neutral continent by 2050, the European Commission aims to exploit the cities’ access to capital, know-hows, and economies of scale for the development to pilot and scale up innovations, such as positive energy districts and instruments such as the ‘City Climate Contract’.

How can European cities become climate neutral? We need each other to bring about climate-neutral cities. And like growing up, innovations for climate-neutral cities need the opportunity to learn, (inter)act, fail, learn and grow. Questions arise on technology, finance, funding, governance and the eco-systems required.

Your host, **Mr. Robert Dijksterhuis** - Sustainable Building Envoy from the Ministry of Interior & Kingdom Relations of the Netherlands, will take you on a journey to France, Sweden and the Netherlands and introduce you to fiercely attractive frontrunners in their approaches and contribution to realize the Climate Neutral City.

Experts and cases in this session are:

**Mr. Emmanuel Jean**, Head of **SMILE** (Smart Ideas to Link Energy), **Nantes** (France) will speak about SMILE, how the association is helping to fasten the energy transition and projects related to the topic.

[SMILE](#) Association creates interaction between companies developing solutions and the territories of Brittany and Pays de Loire, wishing to roll out smart grid technologies, in order to create a region wide smart grid.

**Mr. Albert Edman**, Strategist at **Viable Cities (Sweden)** on Viable Cities experiences of Climate City Contracting and developing a national Climate Neutral City mission infrastructure in Sweden

[Viable Cities](#) is a strategic innovation programme for climate-neutral and sustainable cities is the largest investment to date in Sweden in research and innovation on smart and sustainable cities.

**Ms. Floor de Jong**, manager International affairs, **City of Groningen (Netherlands)**, on the approach of the Groningen to become a Climate Neutral City by 2030, amongst others engaging citizens.

[Groningen](#) is the 6th largest city in the Netherlands (over 230.000 inhabitants) and is a front runner in the field energy and sustainability. The city council has expressed a desire to be CO2-neutral by 2035, and increasingly more companies and citizens are joining in this ambition.

This session is highly recommended for all involved in developing, creating solutions to realize Climate Neutral Cities and/or Positive Energy Districts.

Such as:

Businesses;

National/ Cities/regional policy makers;

Energy experts in the Built Environment; Smart Grids

Academia; architecture, inclusive design professionals etc

**Organised by:** Ministry of the Interior and Kingdom Relations (NL)

**Contact person:** Diana van Altena, Ministry of the Interior and Kingdom Relations

## 200 Intelligent & Climate Neutral Cities Jam

The 100 Intelligent Cities Challenge (ICC) is a project by the European Commission helping more than 100 smaller EU cities to lead green, climate-neutral, sustainable growth - improving the quality of life for people in these cities. In a separate initiative, the EC is also planning to support 100 climate-neutral cities by 2030. Both initiatives aim to support, promote and showcase European cities in their systemic transformation towards sustainability.

This workshop is an initiative of Amsterdam Smart City which is representing the mentor region of Amsterdam in the ICC. The purpose of this session is to share the methodology and lessons learned from ICC with stakeholders of the 100 climate-neutral cities mission, creating synergy and cross-overs between these two closely related initiatives.

### **Wanted!**

All interested stakeholder of the EC's 100 Intelligent Cities & 100 Climate-neutral cities challenges

Amsterdam Smart City, European Commission and other stakeholders will be invited to present and will possibly join as co-organizers but this is not yet confirmed.

### **Organisers**

**Contact person:** Cornelia Dinca, Amsterdam Smart City

## Financing the transition to climate-neutral cities: the investors perspective and financing possibilities through the Smart Cities Marketplace

While EU funding possibilities in Horizon Europe play an important role in developing and validating innovative climate-neutral and smart city solutions and technologies, it has become more and more clear that funding alone will not suffice to cover the costs of the transition to climate-neutral cities. For that reason, the possibilities offered by the private sector are becoming more and more important for the implementation of smart and climate-neutral urban solutions. The Smart Cities Marketplace plays an active brokerage role here, and matches climate-neutral and smart city plans to a network of sustainable investors.

What are the requirements to plans from investors perspective, what type of information is needed and how can city administrations make use of the matchmaking facilities of the Smart Cities Marketplace? This session answers these questions and explains how cities can make use of this matchmaking to have a wider array of possibilities for financing the transition to climate-neutral cities. Eelco Kruizinga (DNV) explains the route to find money for good plans!

### **Agenda:**

- 15:00 – 15:05 h What is the Smart Cities Marketplace? Tatiana Pasquel Garcia, VITO, and Judith Borsboom, Locality
- 15:05 – 15:35 h The investors perspective (Primevest, Amsterdam Climate and Energy Fund, Triodos bank - invited)
- 15:35 - 15:50 h Matchmaking: how does it work? Eelco Kruizinga, DNV
- 15:50 – 15:55 h Wrap-up and next steps

**Wanted:** cities and key stakeholders interested in exploring private finance possibilities to realise climate-neutrality and solutions providers interested to scale-up solutions with cities' stakeholders

**Organisers:** Judith Borsboom (Locality) and Eelco Kruizinga (DNV)

# Our partners



# Co-organised

