



## Agenda

### EUROCITIES Environment Forum: Integrated development for healthy green cities

18-20 October 2017, Essen, Germany

Chair: Abdeluheh Choho, Deputy Mayor for Environment, Amsterdam

Vice Chair: Felipe Araujo, Deputy Mayor, Porto

Registration: <http://bit.ly/2tFXTed>

Twitter: #EEFcities

Tuesday 17 <sup>th</sup> October		WG Waste and WG Noise meeting
Wednesday 18 <sup>th</sup> October	08:30 - 9:00	Welcome coffee and registrations
	09:00 - 12:30	WG meetings: AQCCCEE (air quality, climate change, energy efficiency), GAB (green areas and biodiversity), Water, Waste, Noise, Metropolitan areas
	12:30 - 13:30	Buffet lunch
	13:30 - 18:00	WGs meetings continue
	19:30	Informal dinner (at own costs)
Thursday 19 <sup>th</sup> October	08 :30 - 09:00	Welcome coffee and registrations
	09:00 - 09:40	Session 1: Presentation of Essen as European Green Capital 2017
	9:40 - 10:30	Session 2: Inspirational tales of urban transformation
	10:30 - 11:00	Coffee break
	11:00 - 12 :00	Session 3: Inspirational tales of urban transformation in practise
	12:00 - 13:00	Lunch
	13:00 - 15:00	Session 4: Environmental priorities in practice
	15:00 - 15:15	Session 5: Network update and strategic discussion on forum direction
	15:15 - 16:15	
	16:15 - 18:30	Session 6: Site visits
Friday 20 <sup>th</sup> October	19:30 - 22:30	Official dinner
	09:30 - 10:30	Welcome coffee and registrations
	09:30 - 10:30	Session 7: City networking sessions
	10:30 - 11:00	Coffee break
	11:00 - 13:00	Session 8: What next to EU urban environment?
	13.00	Sandwich lunch

#### CONTACTS

Chair: Juliane Kürschner

EUROCITIES: Joana Cruz

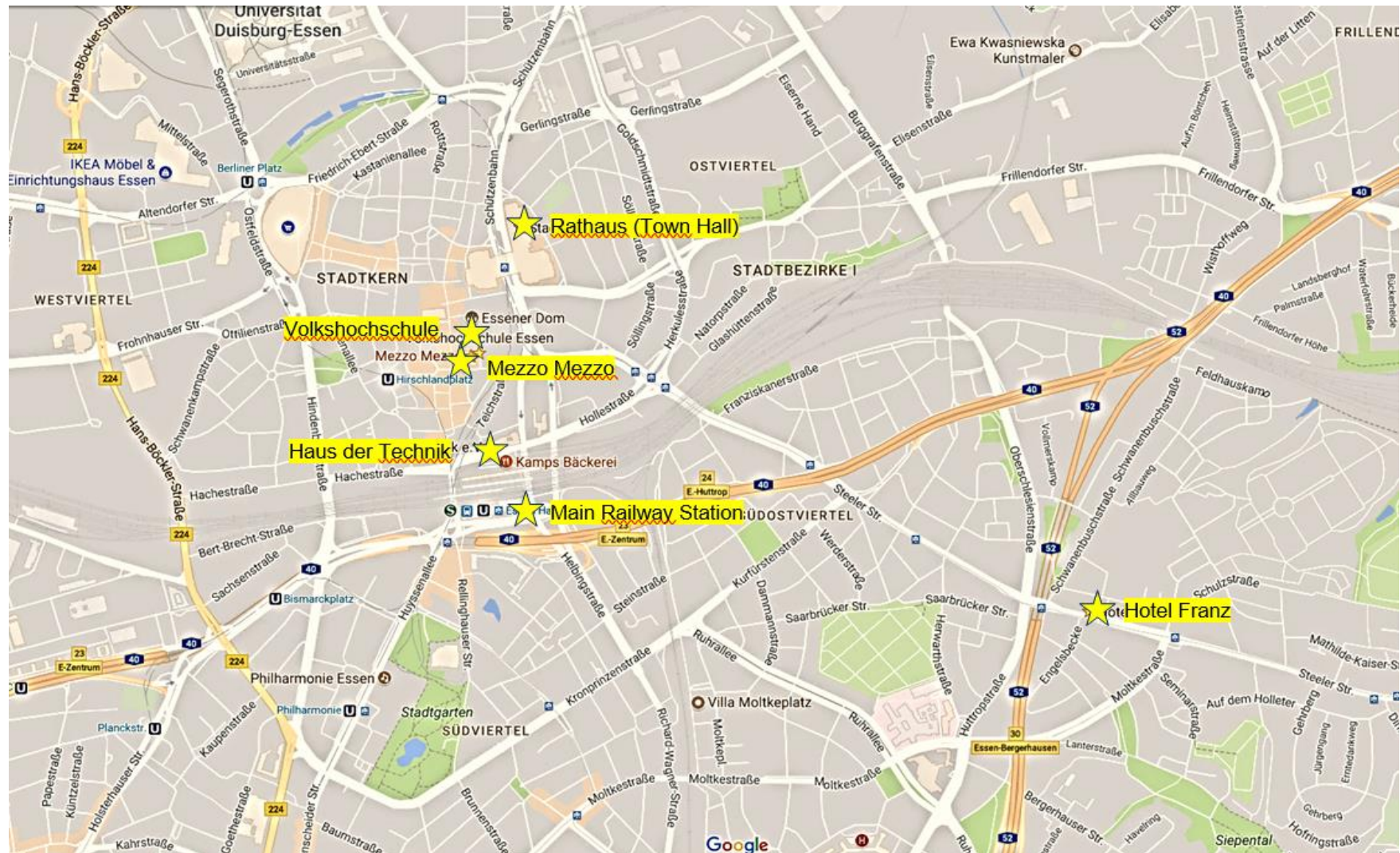
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## Meeting Venues



**DAY 1: Wednesday 18<sup>th</sup> October**  
**Venues: Haus der Technik (HdT), Hollestraße 1, 45127 Essen**

- 8:30 - 9:00** Welcome coffee and registrations
- 9:00 - 12:30** WG meetings: WG Air Quality, Climate Change and Energy efficiency, WG Water, WG Waste, Noise, WG Green Areas and Biodiversity, WG Metropolitan Areas
- 12:30 - 13:30** Lunch
- 13:30 - 18:00** Working group meetings
- 18:00 - 19:00** Steering group meeting (WG chairs only)
- 19:30** **Informal dinner** (at own cost)  
 Venue: Mezzo Mezzo, Kettwiger Straße 36, 45127 Essen

**DAY 2: Thursday 19<sup>th</sup> October**  
**Venue: Hotel Franz, Steeler Str. 261, 45138 Essen**

- 8:30 - 9:00** **Welcome coffee and registrations**

<b>Session 1: Presentation of Essen as European Green Capital 2017</b>	
<b>9:00 - 9:40</b>	<p>Session aims to introduce participants to the city of Essen highlighting the transformation that the city has undergone from its heavy industrial past to becoming a cleaner greener city</p> <p>Moderator: Matthias Sinn</p> <p>Welcome by forum chair, Abdeluheh Choho, Amsterdam deputy mayor</p> <p>Opening remarks by Thomas Kufen, Lord Mayor, City of Essen</p> <p>Presentation by Simone Raskob, Deputy Mayor for Environment and Construction, City of Essen</p> <p>Q&amp;A</p>

<b>Session 2: Inspirational tales of urban transformation</b>	
<b>9:40-10:30</b>	<p>Session aims at inspiring participants on the role of urban development in advancing environmental priorities as well as challenges associated with an integrated approach.</p> <p>Moderator: Matthias Sinn</p> <p>Keynote speech by Andreas Kipar, CEO of Landscape Architecture Nature Development</p> <p>Political reactions by:</p> <ul style="list-style-type: none"> <li>- Abdeluheh Choho, Amsterdam deputy mayor</li> <li>- Felicitas Kubala, Manheim deputy mayor</li> <li>- Simone Raskob, Essen deputy mayor</li> <li>- Norbert Czerwinski, Düsseldorf city councillor</li> </ul> <p>Q&amp;A</p>

10:30-11:00      Coffee break

Session 3: Inspirational tales of urban transformation in practise	
11:00 - 12:00	<p>Presentation of specific casestudies illustrating how different cities integrate the environmental aspects in urban planning and how they collaborate with their metropolitan areas.</p> <ul style="list-style-type: none"><li>- Geertje Wijten from the city of Amsterdam: Using the multiple green benefits in densifying cities</li><li>- Sven De Bruycker from city of Brussels: Brussels Metropolitan Landscape study</li><li>- Andreas Kipar from city of Essen: Brownfield to green and blue-Holistic development of the Krupp-Belt in a Public Private Partnership</li></ul> <p>Q&amp;A</p>

12:00 - 13:00      Lunch

Session 4: Environmental priorities in practice	
13:00 - 15:00	<p>Session designed to explore how the topics of noise, water, green areas and biodiversity contributed to healthier cities</p> <p>1.Presentation by 3 speakers on the topics of:</p> <p>Noise: Dr. Miriam Webber, Senior policy advisor and researcher Healthy Urban Living, development and implementation of knowledge and research agenda Healthy Urban Living.</p> <p>Water: Arnout Smit, Advisor of European Affairs at the City of Nijmegen, 2018 European green capital</p> <p>Green areas and biodiversity: Dr. Randolph Kricke, head of nature conservation authority, Duisburg</p> <p>2. Followed by 6 roundtables on concrete projects, lasting 30 minutes each:</p> <p><u>Water projects:</u></p> <ol style="list-style-type: none"><li>1. Rita Cunho, Engineer, Waters of Porto: <i>Think blue to make your city green</i></li><li>2. Arnaud Stotzenbach, Deputy Director of department in charge of water and water purification, City of Paris: <i>From Small to Large watercycle: a comprehensive approach of water in the city</i></li></ol> <p><u>Noise projects:</u></p> <ol style="list-style-type: none"><li>3. Reinier Balkema, Department air and sound of Utrecht: <i>Noise reduction measures in Utrecht</i></li></ol>

	<p>4. Mattia Grampella, AMAT (Environmental and Territorial Agency of Milan), City of Milan: <i>DYNAMAP LIFE+ project</i></p> <p><u>Green areas and biodiversity projects:</u></p> <p>5. Stepan Kyjovsky, Director of the Department of Environment, City of Prague: <i>Nature based solutions in Prague</i></p> <p>6. Magnus Rothman, Project manager, strategic green space, city of Stockholm: <i>CO City project, let nature do the work urban ecosystem services</i></p>
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**15:00 - 15:15 Coffee break**

<b>Session 5: Network update and strategic discussion on forum direction</b>	
Working documents	WD.1. Network update WD.2. Application of Karsiyaka Municipality WD.3. EUROCITIES projects and funding strategy 2017 + project IDs WD.4. H2020 - Preliminary list of calls of interest WD.5. Draft forum strategy 2018 WD.6. Policy Overview WD.7. EUROCITIES statement on plastics strategy in a circular economy WD.8. EUROCITIES statement on waste-to-energy in a circular economy WD.9. EUROCITIES response to the report on the implementation of the Environmental Noise Directive (END) WD.10. EUROCITIES position on clean energy for all Europeans package
15:15 - 16:15	<p>Session designed to update members on the latest network and policy developments. Members will be introduced to the next H2020 calls as well as having a discussion on the forum directions based on Ljubljana forum 2016 consultations. Members will also be asked to consider the application Karsiyaka Municipality as an associate member of the EEF</p> <p>-Presentation by Karsiyaka Municipality (5)</p> <p>-Network application presentation by:  Joana Cruz, EUROCITIES policy advisor - policy update (15)  Nicola Vathauer, EUROCITIES director - network update (10)  Claire Baffert, EUROCITIES projects coordinator - projects discussion (10)  Juliane Kürschner, EEF chair - forum direction (20)</p>

<b>Session 6: Site visits (cf annex)</b>	
16:15 - 18:30	1. Water: Visit to river Emscher renaturation project 2. Energy: Visit to superconductor cable project by Innogy SE 3. Biodiversity: Bicycle tour to Zollverein Coal Mine (Unesco World Heritage) 4. Waste: Visiting innovative concepts in urban waste management 5. Bus Tour European Green Capital - Essen 2017

**19:30 - 22:30 Official dinner**  
Venue: Rathaus Essen (Town Hall), Porscheplatz, 45121 Essen

## Welcome coffee and registrations

Session 7 : City Networking sessions	
9:30 - 10 :30	<p>Roundtable speed networking sessions moderated by cities which are interested in presenting an environment topics/project. Each roundtable will last 30 minutes.</p> <ol style="list-style-type: none"> <li>1. Rebecca Portail, EUROCITIES project assistant - “Green ICT: Why measure your ICT footprint?”</li> <li>2. Jos Streng, city of Rotterdam - FREVUE project: <i>An appeal to Join Municipal Procurement Forces to achieve Zero Emission Waste Collection</i></li> <li>3. Thomas Hruschka, City of Vienna - “OekoBusiness Wien - the Environmental Service Package of the City of Vienna”</li> <li>4. Marcin Wróblewski, City of Warsaw - Warsaw actions towards becoming energy-efficient, sustainable city - influence of Sharing Cities and related international projects</li> <li>5. Miriam Weber, City of Utrecht, Health department - <i>Health in policies</i></li> </ol>

## Coffee break

Session 8: What next to EU urban environment?	
11:00 - 13:00	<p>Session exploring what should be the next steps and trends on EU urban environment. Discussion on how to speed up urban transformations, upcoming 2018 Green week event on sustainable cities and the European environmental implementation review.</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>- Prof. Dr. Susanne Moebus - President of the German Society for Social Medicine and Prevention</li> <li>- Ivone Pereira Martins - Urban Sustainability Coordinator - European Environment Agency representative</li> <li>- Andreas Versmann -Program manager at DG ENVI at European Commission</li> <li>- Dr. Peter Pluschke - Deputy Mayor for Environment and Health, City of Nuremberg</li> </ul> <p>Q&amp;A</p>

## Sandwich Lunch

# ANNEX

## Session 4: Environmental priorities in practice

### **1. Rita Cunho, Engineer, Waters of Porto: Think blue to make your city green**

The city of Porto is truly a city of water, bathed by 9 km of river (River Douro), 4 km of seafront, and crossed by 66 km of urban streams and rivers. In this presentation, the city of Porto will show some examples of watercourses rehabilitation and valorisation, where water was the basis of planning and designing process. These interventions allowed to rediscover the landscape of Porto's water fronts, to minimize flooding problems and to generate multiple benefits for the environment, society, and economy. The main objective of making a blue-green urban grid is to ensure a more sustainable, resilient and climate-proof city, but also to improve its citizen's quality of life.

### **2. Arnaud Stotzenbach, Deputy Director of department in charge of water and water purification, City of Paris: *From Small to Large watercycle: a comprehensive approach of water in the city***

The City of Paris is highly involved to promote a sustainable approach of water resources management which take in consideration the entire water cycle. From Paris' experience with its own public operator that manages the entire water system to the storm water zoning project, the roundtable will be an opportunity to share sustainable water resource management experiences in Cities.

### **1. Reinier Balkema, Department air and sound of Utrecht**

This presentation will display solutions to address the following issues, using concrete examples from the city of Utrecht. It will first focus on how to achieve an acoustic-attractive, healthy, and less car-centric city. Concrete solutions will be explored to improve the use of cycling and public transports in urban environments. The presentation will also propose measures aimed at using spatial planning to compensate for high noise levels.

### **2. Mattia Grampella, Environmental and Territorial Agency of Milan, City of Milan**

DYNAMAP is a LIFE+ project aimed at developing a dynamic noise mapping system able to detect and represent in real time the acoustic impact of road infrastructure. The main objective of this project is to ease and reduce the cost of periodically updating noise maps, on environmental noise. To that end, an automatic monitoring system, based on customised low-cost sensors and a software tool implemented on a general purpose GIS platform, will be developed and built in two pilot areas located along the A90 motorway that surrounds the city of Rome (Italy), and inside the agglomeration of Milan (Italy).

### **3. Stepan Kyjovsky, Director of the Department of Environment, City of Prague: Nature based solutions in Prague**

As a response to the devastating flood 2002 in Prague, improvement of the flood protection became very urgent. The Prague City Hall initialized the "Streams of life" project for revitalisation of the Prague streams and brooks in 2005. Besides the benefits of renaturalized channels during the events of high water, the higher retention areas around the streams



help to reduce risk of flooding for the populated areas. This presentation will discuss other environmental, cultural and social benefits herited from Rokytká and other watercourses, which were revitalized in the frame of the “Streams for Life” project. The presentation will finally consider how can reforestation of the former devastated area create a green belt around the city, providing benefits in better air quality and higher rainwater retention.

**6. Magnus Rothman, Project manager, strategic green space, city of Stockholm: *C/O City project, let nature do the work urban ecosystem services***

The purpose of C/O City is to create tools for assessment, planning and use of ecosystem services in urban development to maximise benefits for society. Our goals are to visualise and quantify urban ecosystem services, to develop concrete planning and monitoring tools, and to produce data to demonstrate the connections between urban ecosystem services and resilience.

<b>Session 6: Site visits</b>
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**7. Project “Bathing in the Ruhr”/ fish lift in Lake Baldeney (Ruhrverband)**

The group will visit the Lake Baldeney and the river Ruhr run by the Ruhrverband. The Ruhrverband is responsible for the water supply for 4.6 million people as well as waste water treatment for 60 cities and water management along the rivers Ruhr and Lenne. The Ruhrverband will explain how the water quality of the river Ruhr can be improved by an enhanced cleaning system. For 40 years, bathing in the river Ruhr has been prohibited because of the high pollution of the water.

In 2017, the first swimming area on the river Ruhr opened to public. The highlight of the Ruhrverband’s efforts to improve the river’s ecology will be the installation of a fish lift in Lake Baldeney, enabling the migration of fishes by swimming upstream the river Ruhr. This innovative system generates the ecological permeability for fish in the complete course of the river.

**8. Visit to the superconducting cable by Innogy SE**

The group will visit the superconductor cable project by Innogy SE. Innogy brings a world premiere to Essen: as a part of the AmpaCity project, two transformer substations in midtown Essen were linked with a superconducting cable for the first time. The underground cable transmits electricity over a distance of one kilometre almost completely without losses.

This is made possible by extremely cold temperatures. The phenomenon of superconductivity was discovered more than 100 years ago. However, due to the extremely low temperatures involved, utilising this effect has been extraordinarily difficult. On this project innogy collaborates with Nexans, a leading European cable manufacturer; Project Management Jülich and the Karlsruhe Institute of Technology (KIT). The AmpaCity research project is supported by the German Federal Ministry of Economic Affairs and Energy.

AmpaCity can replace up to five conventional 10,000-volt cables. In addition, fewer transformer substations are required, because superconductors can transmit even large



electricity volumes at a lower voltage. In this way, valuable spaces in the city are freed up for other uses.

#### **9. Visit to nature at UNESCO World Heritage Site Zollverein: Discovering the bees at Zollverein**

Biodiversity is an important topic in the European Green Capital - Essen 2017 and in the urban development of the city in general. On the area of the UNESCO World Heritage Site Zollverein you will be able to discover a wide range of animals and plants, which are specialist on derelict areas.

On our site visit we will, as an illustration of Zollverein's biodiversity, follow the trace of Zollverein bees on a special thematic loop road and get to know more about the interaction of the city development and the biodiversity in cities. We will also get the chance of tasting real world heritage honey, produced by the bees of Zollverein.

#### **10. Waste: Visiting innovative concepts in urban waste management** (more information will follow)

#### **11. General: "European Green Capital - Bus tour"**

European Green Capital - Bus tour. The contemporary cityscape of Essen is the result of about 200 years of industrial history. During the last century Essen became generally known as the centre of the montane industry, but coal and steel determined its appearance for only a short time. Indeed, the city's history doesn't bound to the industrial area and is much wealthier than many other German cities like Berlin, Munich or Dresden. Nowadays Essen, with its nearly 590.000 inhabitants, is the second biggest city in the Ruhr area and belongs to the ten biggest cities in Germany.

In 2017, Europe is looking towards Essen. The metropole was officially nominated European Green Capital by the European Union. Essen's efforts to shift from a city of coal and steel to the greenest city of Northrhine-Westphalia (and third greenest city in Germany) have been awarded. Thereby, Essen is the first industrial city to receive this award. On the European Green Capital Bus tour, you will get to know the green side of Essen with its local parks and green areas, that embody Essen's evolution from an industrial stronghold to one of Germany's greenest city.

Session 7: City Networking sessions
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#### **1. Rebecca Portail, EUROCITIES project assistant - "Green ICT: Why measure your ICT footprint?"**

The [ICTFOOTPRINT.eu](http://ICTFOOTPRINT.eu) project intends to raise awareness on methodologies that calculate the footprint of digital equipment and operations. The objective is to support local authorities become more energy efficient and environmental friendly while saving money on the way. The roundtable will discuss the - usually invisible - footprint of ICT equipment and operations in cities, what actions can be taken and with what benefits.

**2. Jos Streng, city Rotterdam - FREVUE project: *An appeal to Join Municipal Procurement Forces to achieve Zero Emission Waste Collection***

Rotterdam cooperated with 7 other EU cities to demonstrate the usability of Electric trucks and vans for city logistics ([www.frevue.eu](http://www.frevue.eu)). Building on the results, we have started a new project with Oslo and Copenhagen ([www.buyzet.eu](http://www.buyzet.eu)).

First, we have mapped the transportation footprint caused by the cities' own activities, including procurement of goods and services. Waste collection comes out as an important contributor. The next step is the development of a procurement policy which contributes effectively to achieve Zero Emission City Logistics, in this case waste collection. Cooperation in so-called buyers' groups is part of such a policy, which we wish to discuss with the participants.

**3. Thomas Hruschka, City Vienna - "OekoBusiness Wien - the Environmental Service Package of the City of Vienna"**

OekoBusiness Wien, the Environmental Service Package of the City of Vienna, was launched in 1998 by the Municipal Department for Environmental Protection on behalf of Vienna City's Administration. The program is one of Vienna's instruments for sustainable change management, addressing the EU Circular Economy Strategy as well as the UN 2030 targets (SDG's). For the last 18 years, the program has been producing remarkable savings among the 1200 partner companies. A new strategy will be implemented until 2020.

**4. Marcin Wróblewski, City of Warsaw - Warsaw actions towards becoming energy-efficient, sustainable city - influence of Sharing Cities and related international projects**

Not everyone knows that more than 25% of Warsaw area is a green space or that the Sewage Treatment Plant "Czajka" in 100 % covers its demand for heat and in 40% - its demand for electric energy thanks to its own generated biogas. Warsaw is also a good place to live - more than 8 out of 10 Varsovians are satisfied with their life in the city. However, there still remains a lot to be done in the field of becoming a leading sustainable city of future. The presentation of Marcin Wróblewski will describe projects and plans helping to achieve this goal, with particular focus on smart cities-related activities.

**5. Miriam Weber, City of Utrecht, Health department - *Health in policies***

Currently 72% of the European population is living in cities, and that number is growing. This leads to new environmental and societal challenges we haven't seen before. How can we realise a healthy urban environment while simultaneously maintaining good access, improving air quality and reducing noise pollution? Questions such as these will be asked and answered during the presentation organised by the City of Utrecht, which will focus on healthy urban living and inclusive health. We are convinced that health at the heart of urban development strategy makes people happier, our environment healthier and our economy more sustainable.