

Tartu Virtual Baltic Smart City Dialogue

Event Timing: May 12th, 19th and 26th 2020

Organizers: Tartu Regional Energy Agency, Narva mnt 3, 51009 Tartu, Estonia

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Link to a virtual meeting room: TBC

Registration: [LINK](#)

The city of Tartu is at the forefront of the smart city development in Estonia. Growing from this experience, the virtual dialogue will focus on local cooperation models, presenting and comparing experiences from Estonia, Lithuania, Latvia and Germany, as well as on digital governance and smart climate neutral cities. Webinars are divided into three sessions: (1) Digital Public Services, (2) Smart ZeroCO2 Cities and (3) Public and Private Cooperation Models. During the sessions the experts from four countries will share their experiences and participants can present their best practices on local smart city initiatives. Participation is free but registration is required.

This dialogue is part of a larger project "Baltic Dialogue Platform on Smart Cities for Climate Mitigation" that intends to foster European dialogue and learning on smart cities for climate mitigation. The project addresses several issue areas, among them (1) governance (smart city strategies, processes, structures and actors), (2) monitoring and evaluation and (3) transfer of best practices. The project comprises Estonia, Latvia, Lithuania and Germany. Four dialogues are organized, one in each country.

This project is part of the European Climate Initiative (EUKI) of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU). It is the overarching goal of the EUKI to foster climate cooperation within the European Union (EU) in order to mitigate greenhouse gas emissions.

For further information: <https://balticsmartcity.com/>

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SESSION I: Digital Public Services

Tuesday, May 12th, Zoom teleconference

Moderator: Frank Graage, Steinbeis

Digitalisation and the platform economy are the main drivers of the service sector for the last decade. This session will focus on the development of digital services in the public sector and asks if the new digital platforms can be used for increased participation and climate mitigation? What are expectations for digitalisation of the public domain and how accepted are they? What is the role of commercial platforms in providing public services and how are the citizens protected in the conflict of commercial interests? What are the concerns, risks and challenges of digitalisation of the public?

Time	Topic
14:00	Opening
14:00	Introduction to EUKI and the Dialogues (Benno Keppner, adelphi)
14:05	Introduction of TREA (Marek Muiste, TREA)
14:15	Estonian experience: data in energy and environmental planning (Marek Muiste / Marten Saareoks, TREA)
14:30	Smart city data platform (Kaspar Alev, City of Tartu)
14:45	Q&A
15:00	Digital public services: insights from the German city of Pirna (Lisa Schäfer, adelphi)
15:15	Riga: Towards the Smart Digitalisation (Timurs Safiuljins, Riga Energy Agency)
15:30	Digital public services. Cases from Lithuania (Živile Šimkutė, Kaunas University of Technology)
15:45	Q&A
16:00	Closing

SESSION II: Smart ZeroCO2 Cities

Tuesday, May 19th, Zoom teleconference

Moderator: Frank Graage, Steinbeis

The city of Tartu is introducing the experience of creating low-carbon model for smart cities in the centre of the city. Four case studies will focus on building refurbishment and developing sustainable transport modes. City officials will be available for providing additional insight during Q&A session.

Time	Topic
14:00	Opening
14:00	Case study 1 KredEx renovation (national renovation grant) (Marek Muiste, TREA)
14:10	Case study 2 Renovation of Rakvere (Andres Jaadla, City of Rakvere)
14:20	Case study 3 SmartEnCity renovation (Marek Muiste, TREA)
14:30	Q&A
14:45	Case study 4 Zero Carbon Public Transport System (Jaanus Tamm, City of Tartu)
15:00	Case study 5 City Bike Sharing System (Jaanus Tamm, City of Tartu)
15:15	Q&A
15:30	Riga: Climate-Smart City. From Planning to Implementation (Nika Kotoviča, Riga Energy Agency)
15:45	Smart and climate friendly cities in Germany – insights from case studies (Benno Keppner, adelphy)
16:00	Closing

SESSION III: Public and Private Cooperation Models

Tuesday, May 26th, Zoom teleconference

Moderator: Frank Graage, Steinbeis

Smart city implementations are traditionally top-down initiatives, manifesting the visions of the experts and decision makers. Session 3 will explore the possibilities for more inclusive policy making, offered by new digital services and participation platforms. Cooperation with private sector and grassroots initiatives will be discussed in the context of ecological smart city services.

Time	Topic
14:00	Opening
14:00	Local cooperation models in Estonia (Marek Muiste, TREA)
14:15	Developing smart cities - viewpoints from academia (Veronika Mooses, University of Tartu)
14:30	Smart City services for indoor climate and energy management (Karl Erik Kalmus, TarkVent OÜ)
14:45	Third Sector Perspective (Madis Vasser, Estonian Green Movement)
15:00	Q&A
15:15	SMARTVERE - Smart Cooperation in Rakvere (Andres Jaadla, City of Rakvere)
15:25	Agile piloting of new technologies via innovative prototypes and service solutions in real life and cross-border settings (Henry Patzig, Taltech)
15:35	“Riga: Collaboration Models for Smarter Development” (Timurs Safiuljins, Riga Energy Agency)
15:50	Q&A
16:00	Closing

Moderator

Moderator: Frank Graage, Steinbeis, DE

Having a background in environmental engineering and management I have been working in international knowledge and technology transfer projects since 16 years. I am happy to support the forum as moderator.



Speakers



Kaspar Alev, City of Tartu, EE

Kaspar Alev is municipal property expert working with Smart City initiatives in City of Tartu. He is working with large sets of municipal data and for last years have been testing the usability of Cumulocity data platform for collecting and analysing the public information.

Andres Jaadla, City of Rakvere, EE

Vice Mayor of Rakvere, Andres has been an initiator and a keen observer of refurbishment and reconstruction program of the old building stock in city of Rakvere (North of Estonia, 15 thousand inhabitants) – one of the first municipal refurbishment programs in Estonia. He is a chairman of the board (member of the Board) of Estonian Union of Co-operative Housing Associations EKÜL and a member of the board of Housing Europe (<http://www.housingeurope.eu>).



Karl Erik Kalmus, TarkVent OÜ, EE

SmartVent is an Estonian start-up creating a cloud-based building energy management system. SmartVent enables automatic monitoring, visualisation and control of indoor climate and energy usage in buildings, reducing workload and energy usage. Our customers are real estate operators who struggle with energy auditing and controlling their systems in an efficient way. The product has been launched in the Baltics, Poland, Ukraine and South Africa.

Benno Keppner, adelphi, DE

Benno has a background in political science and public law and is working as Project Manager at adelphi. He focuses on sustainable urban development and sustainable digitization, developing concepts and tools for smart cities.



Nika Kotoviča, Riga Energy Agency, LV



Over 20 years of experience in development, content management and coordination of large scale and notable complexity urban development projects in the Riga City Municipality within the fields of urban planning, climate resilience and sustainable development. MGeog in Urban Planning (University of Latvia) and MSc in Economics (University of Latvia), lecturing at the University of Latvia in the fields of strategic management of urban development, project management and elaboration of competitive project proposals, sustainable mobility planning and other fields.

Leon Leuser, adelphi, DE

Leon is working in on environmental and sustainability policies at adelphi. He develops tools and strategies for digitisation, social-ecological urban development, sufficiency policy, and sustainable consumption. Prior to joining adelphi, Leon was a research assistant at the Norbert Elias Center of the Europa-Universität Flensburg and the Institute for Energy and Environmental Research Heidelberg (ifeu) with a focus on sufficiency policies, municipal climate mitigation, energy efficiency and the EU-ecodesign directive.



Veronika Mooses , University of Tartu, EE



Veronika Mooses is Junior Research Fellow in human geography at University of Tartu and a member of the Mobility Lab. Her main research interest lies at the intersection of big data, mobility and social inequalities. Additionally she is keen on new approaches in mobility and urban development. Veronika is actively involved in the implementation of H2020 project in Tartu "SmartEnCity – Towards Smart Zero CO2 Cities across Europe" and participates in the Jean Monnet Research Network on "Cooperative, Connected and Automated Mobility: EU and Australasian Innovations".

Marek Muiste, Tartu Regional Energy Agency, EE

My background is in energy engineering and for the last 10+ years I've been working with international innovation projects focusing on sustainability and energy transition, mostly as part of Tartu Regional Energy Agency. For the last years I've been involved as an expert into the first smart city initiatives in Estonia. I also teach energy management class in local university of applied sciences where we calculate the energy cost and the environmental impact of consumer products.



Henry Patzig, Taltech, EE



Henry Patzig is deliverable manager at FINEST Twins Smart City Centre of Excellence (CoE). He is working to mobilise all leading smart city actors and stakeholders in Estonia and establishes solid long-term high-level research, knowledge transfer and innovation partnerships with the counterparts from the Helsinki region to capitalise on the macro region’s scientific research, innovation and entrepreneurship potential. The CoE will match the leading smart city research centres globally and focus on all five key domains of clean and sustainable smart city development: mobility, energy and built environment glued together by governance and urban analytics & data management (research streams).

Marten Saareeks, Tartu Regional Energy Agency, EE

Marten is working with smart city and smart building applications since 2017. He is focusing on energy management, data collection, databases and analysis of smart city and buildings. In cooperation with national and local institutions, service providers and data aggregators, Marten has been collecting and analysing the data about energy consumption and environmental impact of Tartu, Estonia.



Timurs Safiuljins, Riga Energy Agency, LV



Experienced professional, working on global urban challenges with the objective of building smart and resilient cities as platforms for sustainable and secure economic development. Since 2015 director of Riga Municipal Agency “Riga Energy Agency”. PhD candidate in Economics in the field of Sustainable Economic Development with a MSc in International Economics/Foreign Affairs (University of Latvia), Certificate in Energy Innovation and Emerging Technologies (Stanford University). Engaged in management of numerous projects within the fields of energy transition, smart and sustainable urban development.

Lisa Schäfer, adelphi, DE

Lisa Schäfer is a Project Manager at adelphi, working on local climate protection and climate governance. Her work aims to establish the European climate dialogue at the local level. Through her support of European climate exchange, Lisa is empowering local actors to become trailblazers for climate protection. Lisa consults and supports local communities, which are part of city partnerships for climate change, with the development of projects and programmes, networking and capacity-building. She is building on her extensive knowledge of EU institutions and politics as well as her comprehensive experience in the areas of policy framing and stakeholder management in the EU.



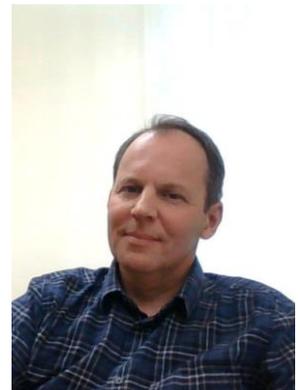
Živilė Šimkutė, Kaunas University of Technology, LT



Živilė is a junior researcher and lecturer at the Institute of Environmental Engineering of the Kaunas University of Technology in Lithuania. Živilė specializes in sustainable urban and territorial planning, consults public and private sector institutions on strategic planning questions related to urban developments. In 2016 she got a master's degree in Urbanism from Delft University of Technology. She is also one of the founders of architecture and urbanism office "MASH Studio", specializing in strategic planning, feasibility studies in sustainable urban development and is a part-time architect at Kaunas municipal agency "Kauno planas". Her most recent work – proposal for the new national urban policy framework, a Structure vision for Naujininkai area in Vilnius and Monitoring and evaluation of Kaunas City Development for years 2018-2019. Since 2016 Živilė is an active member of ISOCARP (International Society of Urban and Regional Planners) and one of the founders of the Lithuanian Urban Innovation Network (LUIT).

Jaanus Tamm, City of Tartu, EE

Jaanus Tamm is an expert of international cooperation working in City of Tartu. In recent years his work has been related with redesigning a zero-emission public transport system in Tartu in the framework of Smart City initiatives. Addition to that, Jaanus has been working on establishing an immensely popular city bike sharing system and other sustainable mobility projects in Tartu.



Madis Vasser, Estonian Green Movement, EE

Madis is an environmentalist with a background in computer science and psychology, focusing on participatory just transition and energy transformation. As the office of the Estonian Green Movement is located in one of the newly renovated smart apartment buildings in Tartu, Madis can both vision the future and also share the day-to-day experience of living in it.