



SmartEnCity Network Bulletin

Edition №13

Dear Readers,

This Bulletin covers the story of one of the latest city members of the SmartEnCity Network – the city of Valga, Estonia. Learn about the participation of the Danish national SmartEnCity Network (The Energy Cities) at the yearly event – Folkemodet (People’s Political Festival) in Bornholm, Denmark and find out about the new programme some of them are joining in order to strengthen their cities’ climate change resilience.

Our SmartEnCity partner – PlanEnergi, is developing a new tool called “Climate Balances and Integrated Climate Planning” and Ms Langvad who is leading the process is giving the SmartEnCity Network an overview of what the tool is and how could be used in municipal energy planning.

More news from one of our Lighthouse Cities – Tartu, Estonia: the bike sharing system in the city is up and running; and the city’s innovative cost comparing tool for citizens helps raise awareness by demonstrating the benefits of renovation in a simple, interactive way.

Enjoy reading!

Kristina Bozhkova
SmartEnCity Network Coordinator
ProjectZero



The “Energy Cities” of the Danish SmartEnCity Network met again

(Folkemodet and the DK2020 programme)

This year the cluster of cities from the Danish SmartEnCity Network – the [Energy Cities](#) (Energibyerne.dk) participated together for a second year in a row in the Folkemodet (People’s Political Festival) on the island of Bornholm, Denmark. They had a tent where debates were conducted on the energy agenda – including climate change, smart cities, transport, waste, youth and more.



With their participation in Folkemodet, the seven Energy Cities wanted to raise awareness for the urgent climate action that citizens, cities, politicians, educational organisations and others need to address. In addition to the debates, the visitors of the Energy Cities’ tent had the

opportunity to play the “Climate Game” where people could discuss in smaller groups what the most important climate actions are for them, why and which actions they take to help limit climate change.

In addition to Folkemodet, four of the Energy Cities were chosen to participate in the DK2020 programme. DK2020 is a national initiative that aims at boosting the implementation of the Paris Agreement goals by limiting the increase of the global temperature to 1.5C. This national initiative is in cooperation with Realdania, Concito, and C40 where 20 selected municipalities will follow in the footsteps of some of the forerunner international cities and this way contribute to the limitation of GHG emissions. [Continue reading.](#)

The SmartEnCity Network – Introducing Valga, Estonia

Valga municipality is one of the latest members of the SmartEnCity network. The town is located in South-Estonia, along the line of the Estonian-Latvian border.

Nowadays Valga is a shrinking town and its priority is to adapt the urban space with declining population by revitalization of the town centre, demolition of excess and depreciated buildings and establishment of green spaces instead. The city planning is focused on possibilities to encourage smart mobility and develop walking-cycling oriented urban space. Other priority areas of Valga Municipality are:

- Increasing buildings’ energy efficiency through refurbishment;
- Refurbishment of street lighting;
- Utilisation of available solar potential, sustainable waste and water management and digitalization in the public sector to provide more efficient services.



Find out more about Valga [here](#).

Climate balances and Integrated Climate Planning Tool by PlanEnergi

Cities, municipalities and regions have made it evident that the local political level plays a major role in implementing national policy targets and that local initiatives are often important accelerators of national green transition.

To meet the present EU targets of 40% cuts in greenhouse gas emissions by 2030 and net zero emissions for a large majority of member states by 2050, more stakeholders are beginning to ask for tools to envision, report and plan for all greenhouse gases and to include emissions from a broader range of economic sectors.

Therefore, PlanEnergi is now developing a tool for conducting territorially based “Climate Balances and Integrated Climate Planning” at the municipal level. The company does so in partnership with experts at the University of Aarhus and end users at the Energy Academy, Samsøe Academy; Samsøe Municipality and Central Denmark Region.

In line with the Kyoto Protocol and the UN Intergovernmental Panel on Climate Change (UN IPCC), the new “Climate Balances and Integrated Climate Planning Tool” considers the territorial production of greenhouse gases within the five sectors of energy, transportation, agriculture and other land use, waste and waste water as well as industrial processes. It covers emissions of carbon dioxide, methane, nitrous dioxide and three F-gasses as well as natural removals by carbon sinks (e.g. changes in agricultural practice, establishment of permanent wetlands or afforestation). [Continue reading.](#)

Tartu's bike sharing system is thriving



Tartu launched its first public bike sharing system on 8th June 2019. The fleet consists of 750 bikes in total, of which 510 are electric and 240 are regular with 69 rental points. The Tartu bikes are also smart bikes: each

electric bike is equipped with a next generation motor and a GPS tracker, which can communicate with the bike sharing system in real-time. This provides information about each bike's location and helps to keep track of all bikes in the system. The software installed in the bikes collects data for statistics about rides, speed, distances etc. which are also displayed to the individual user via a small screen. [Read more.](#)

Tartu: Innovative tool for citizens to compare cost savings



Living in a smart home has many advantages. In addition to a high quality and comfortable living environment, the cost savings are the core benefit. Due to new insulation and energy efficient systems, the heating and electricity consumption is expected to

drop dramatically. In order to demonstrate this to the Tartu pilot area residents in a more visible way, the Tartu citizen engagement work group has developed an interactive “energy disc” that can be set and turned so that residents are able to compare their costs before and after the renovation works. [Find out more about it here.](#)

The EU corner – From dream to reality: sharing experiences from leading European Smart Cities

The European Lighthouse programme gathers an unprecedented number of cities in driving the smart and sustainable city movement in Europe and beyond. These cities and their private and academic partners worked on implementing a series of interlinked smart solutions in the field of energy, ICT and mobility. The first three projects of this programme: [GrowSmarter](#), [Remourban](#) and [Triangulum](#) are now coming to an end and will share the results of their implementation models in October.

Join their final Lighthouse cities session during the **European Week of Cities and Regions!**

When: 7-10 October 2019

Where: Brussels, Belgium

Stay tuned for more information about the event and registration [here.](#)

Join the SmartEnCity Network and start your learning experiences now!

Stay in touch:

- Use the SmartEnCity Network platform to learn more about our network members, events and news [here](#).
- Learn more about the SmartEnCity project on our [website](#).
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SmartEnCity Network bulletin contact:

Kristina Bozhkova
SmartEnCity Network Coordinator
MSc Sustainable Energy Planning
and Management
E-mail: kb@projectzero.dk
Phone: +45 3840 5425
Editor: Iben Nielsen, Sonderborg Forsyning



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