



SmartEnCity Network Bulletin

Edition №14

Dear Readers,

In this edition of the Network Bulletin we explore the Integrated Energy Planning (IEP) processes of the SmartEnCity Follower Cities – Lecce (Italy) and Asenovgrad (Bulgaria). Lecce provides insight in their Foresight Workshop and Asenovgrad highlights their Integrated Energy Planning process and stakeholder engagement workshop.

David Drysdale, PhD fellow at Aalborg University, Denmark published a new article on the Integrated Energy Planning methodology that has been developed in the SmartEnCity project and has been tested by the Lighthouse and Follower cities. This methodology can be used and adapted to any city that strives toward CO₂ neutrality.

Read about Nordic Edge Expo and Conference 2019 in Stavanger, Norway this September and join the learning experience at the largest Smart City event in the Nordics!

Enjoy reading!

Kristina Bozhkova
SmartEnCity Network Coordinator
ProjectZero



SmartEnCity Network – *Integrated Energy Planning (IEP) processes in the Follower Cities: Lecce, Italy and Asenovgrad, Bulgaria*

Lecce's Foresight Workshop



The SmartEnCity partners RINA and Lecce Municipality have organized a Foresight Workshop focused on the Future Energy Strategies of the Municipality, involving more than 40 stakeholders coming from public institutions, university, public and private companies and associations. The workshop was organized as part of the European SmartEnCity project (SmartEnCity.eu).

Using the SmartEnCity Network's Foresight Methodology, the participants discussed the future energy scenarios for Lecce, assessing the possible trends and providing project ideas for the next 10 years for the Lecce Region.

The main goal of Lecce activities inside the SmartEnCity project is to implement the **Integrated Energy Plan (IEP)**, which defines the energy strategies of the city across the different areas (Energy, Infrastructures, Mobility, ICT, Governance), using methodologies, experiences and documents of the Lighthouse cities, with the respect of local conditions. The final output will be the IEP of Lecce Municipality (targeting a CO₂ reduction of at least 40% within 2030, compared to 2007) including selection and deep descriptions of the most promising actions (through replication roadmaps). [Read more about Lecce's Foresight Workshop.](#)

Asenovgrad's Integrated Energy Planning process



As part of the Asenovgrad **Integrated Energy Planning (IEP)** process, a workshop was held on 16 May 2019 with the ambition of bringing together local stakeholders to discuss current status and future priorities of the "Integrated Plan for Urban Regeneration and Development" (IPURD) in order to formulate different scenarios for its update.

The key topics discussed, were focused on the local renewable energy production potential of the municipality, specifically the availability of agricultural biomass and biogas. This was an important issue for one of the stakeholders being an agricultural cooperative growing cereal crops and breeding pigs, which would contribute to the increase of production of biogas and biomass on the territory of Asenovgrad. Other key topics included local PV potential and a discussion about most effective projects and financing mechanisms for a continued refurbishment of private residential buildings and managing the backlog of applications; future operational programmes providing funding for agricultural cooperatives; and available funding for energy refurbishment and RES utilisation in private residential buildings. [Read more about Asenovgrad's IEP process.](#)

[Learn more about all city Network members on the SmartEnCity Network Platform.](#)

From Carbon Calculators to Energy system Analysis in Cities



David Drysdale, PhD fellow at Aalborg University, Denmark published a new article for the SmartEnCity project in the scientific journal Energies. The article is called “From

Carbon Calculators to Energy System Analysis in Cities”. The article aims at providing a methodology that European cities can use to carry out scenarios for highly renewable energy systems with low carbon emissions.

Today, most cities carry out Sustainable Energy Action Plans for the Covenant of Mayors and these often use carbon emission inventories before deciding on low carbon solutions. However, some key questions are often left open, i.e. What does a zero-carbon city look like? What technologies should be invested in now? How do these technologies work with each other in the future? And does the local energy system fit within the country’s energy system?

The methodology of this article can help answer these questions. If a city government wants to understand how their energy system could develop in the future, it can be time-consuming and labour intensive. Therefore, the methodology tries to simplify this process. [Read full article.](#)

The EU corner – Nordic Edge Expo & Conference 2019

At Nordic Edge Expo you will learn from the best and acquire updated knowledge from decision makers from cities and municipalities, smart technology providers, change-making companies, start-ups, universities and dynamic organisations.

You will meet investors, innovators and decision makers from both the private and public sector. Nordic Edge Expo is the ideal arena for showcasing your smart city solutions and attracting new partners and clients.

Joi

When: 24-26 September 2019
Where: Stavanger, Norway



Stay tuned for more information about the event [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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