



TOWARDS SMART ZERO CO₂ CITIES ACROSS EUROPE
VITORIA-GASTEIZ + TARTU + SØNDERBORG

Deliverable 8.5: Smart City Network Activities Report V3

WP8, Task 8.1

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Author(s):	Kristina Bozhkova, Peter Rathje (ZERO)

¹ PU = Public

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Table of content:

0	Publishable Summary	8
1	Introduction	9
1.1	Purpose and target group	9
1.2	Contributions of partners.....	9
1.3	Relation to other activities in the project.....	10
2	Objectives and expected Impact.....	11
2.1	Objective.....	11
2.2	Expected Impact	11
3	Overall Approach.....	12
3.1	Development of the value proposition	12
3.2	Development of the SmartEnCity Network strategy.....	13
3.3	Partners involved	15
4	Detailed description of the overall approach	16
4.1	SmartEnCity Network Bulletin	16
4.2	SmartEnCity Network (Website) Platform.....	21
4.3	SmartEnCity Network members	23
4.4	Organisation of SECN capacity building workshops.....	23
4.4.1	The SECN capacity building workshop in Asenovgrad, Bulgaria – March 2018.....	23
4.4.2	The SECN capacity building workshop in Cagliari, Italy – June 2019	25
4.5	National SECN based capacity building workshops	27
4.5.1	SECN-DK.....	27
4.5.2	SECN-EE	28
4.5.3	SECN-ES.....	29
4.5.4	SECN-IT	30
4.5.5	SECN-BG	31
4.6	SmartEnCity City Check-up Assessment for SECN	32
4.7	Promotion of the SECN.....	33
4.8	Participants/people reached until M48	34
5	Scope of work in the next 12 months.....	36
5.1	Getting to the 15 IEP replication cities.....	36
5.2	Launching second series of webinars	37



6	Deviations to the plan.....	39
7	Outputs for other WPs.....	40
8	Annex.....	41



Table of Tables:

Table 1: Abbreviations and Acronyms	7
Table 2: Contribution of partners	10
Table 3: Relation to other activities in the project	10
Table 4 SmartEnCity Network member target	14

Table of Figures and Annexes:

Figure 1 SmartEnCity Network – as of 31.01.2020	8
Figure 2 Five step model for SECN members	13
Figure 3 SECN website platform, monthly audience activity between M24 - M48	21
Figure 4 Statistics, SECN Platform	21
Figure 5 Geographical overview of the locations that the SECN Platform was accessed, M24-M48	22
Figure 6 Acquisition overview of the SECN Platform, M24 - M48	22
Figure 7 SmartEnCity Network member growth progression between M24 and M48 ..	23
Figure 8 Presentations, SECN meeting Asenovgrad, Bulgaria	24
Figure 9 Round table discussions, SECN meeting Asenovgrad, Bulgaria.....	24
Figure 10 Hydro power plant in Asenovgrad, Bulgaria.....	25
Figure 11 (left) Waste water treatment plant in Asenovgrad, Bulgaria;.....	25
Figure 12 (right) Renovated apartment buildings in Asenovgrad, Bulgaria.....	25
Figure 13 IEP, Strategic stage steps	26
Figure 14 SECN meeting in Cagliari, Italy - panel discussion	26
Figure 15 The SECN-DK members	27
Figure 16 SECN-DK meetings.....	28
Figure 17 SECN-EE members.....	28
Figure 18 SECN-EE meetings	29
Figure 19 Italian SECN	30
Figure 20 Project Presentation during 1st SECN-IT workshop-meeting	31
Figure 21 Round Table Discussion during 1st SECN-IT workshop-meeting.....	31
Figure 22 SECN-BG workshop-meetings.....	32
Figure 23 Strategy approach on how to reach 15 IEP replication cities.....	36



Annex 1 List of the SmartEnCity Network members, M48 – listed by date of SECN-participation.....	41
Annex 2 Agenda for SECN meeting in Asenovgrad, Bulgaria.....	44
Annex 3 Agenda for SECN meeting in Cagliari, Italy	45
Annex 4 City Check-up Assessment.....	46
Annex 5 Responses from the City Check-up Assessment as of M48.....	53

Abbreviations and Acronyms

Abbreviation/Acronym	Description
SmartEnCity	Towards Smart Zero CO2 Cities across Europe
SEC	SmartEnCity
SECN	SmartEnCity Network
SECN-DK	Danish SmartEnCity Network (national)
SECN-EE	Estonian SmartEnCity Network (national)
SECN-ES	Spanish SmartEnCity Network (national)
SECN-IT	Italian SmartEnCity Network (national)
SECN-BG	Bulgarian SmartEnCity Network (national)
IUP	Integrated Urban Plan
IEP	Integrated Energy Plan
WP	Work package

Table 1: Abbreviations and Acronyms

0 Publishable Summary

The SmartEnCity Network has successfully completed its initial 48 months. The main objectives between M24 and M48 have been:

- to continue scaling up the number of Network participant members;
- to increase the level of engagement with the SECN members;
- knowledge transfer in regards to IEP and learnings from already established IEPs;
- creating concept and scaling national based SECNs;
- improve communication with the SECN participant members.

Currently (as of M48), the SECN consists of 52 member cities from 15 countries across Europe (see Figure 1).

The successful implementation of the national SECNs is observed in four out of the five target countries (Denmark, Estonia, Italy and Bulgaria), with the national SECN in Denmark and Estonia successfully running for over 2 and 1 years, respectively.

Two EU based SmartEnCity Network events have been executed – one in Asenovgrad, Bulgaria and one in Cagliari, Italy. In both events, the Integrated Energy Planning (IEP) concept has been a focal point allowing not only for learning about the method and the experiences from already made IEPs but also allowing for discussion among the participating cities on how they can implement this method in their settings.



Figure 1 SmartEnCity Network – as of 31.01.2020

The City Check-up Assessment has been launched. This is an assessment tool which targets cities a more precisely allow them to assess where in the IEP process is their cities. In addition, a feedback based on the cities' answers is being developed currently.

Leader of Task 8.1 has been ZERO in close cooperation with the following involved partners: IBS, TREA, TAR, PLAN, AAU, TEC, AVG, ACC, RINA, LECC, SEZ, ASEN and SEC. This close cooperation derive from the need for creation of national based SECNs in the five core SEC countries, continuous development of the SECN strategy and value proposition. IBS, SEC, RINA, TEC and ZERO took up the task to create and manage the national networks in their countries of origin, ensuring the knowledge transfer from the outcomes of the SEC project, solutions and initiatives from the international SECN but also ensuring the successful implementation of these nationally, having in mind what barriers exist on a local level. The rest of the partners have been an integral part of the strategic meetings, national based SECN meetings and implementation of this task.

1 Introduction

Establishing the SmartEnCity Network (SECN) has been an important and integrated part of the SmartEnCity project, especially for the large-scale replication of the systemic approaches demonstrated. It is integrated in the sense that the SEC network connects and replicates the findings in the SEC Lighthouse and Follower cities with the ambitions and needs for similar systemic transitions in all small and medium sized cities across Europe, which is the main focus of the SECN target group.

During the timeframe between M24 and M48, several activities have been initiated to continue growing a robust SECN participation platform. This SmartEnCity Deliverable 8.5 Report_V3 will provide a status of these activities and the actions taken towards achieving the established ambitious goals of operating the SEC Network.

1.1 Purpose and target group

Deliverable 8.5 is a part of the continuous analysis and evaluation of the SECN development and its operation. All major outcomes of the SECN activities will be highlighted and future plans for the SECN development will be described. The purpose of the deliverable 8.5 is to highlight specifically which joint initiatives/work has been done between M24 and M48 with respect to the SmartEnCity Network.

This deliverable is a public document, therefore, the main target group besides the SEC project partners and SCC1 projects are any other interested audience groups.

1.2 Contributions of partners

The following Table 2 depicts the main contributions from participant partners in the development of this deliverable.

Participant short name	Contributions
ZERO	Overall content to all sections and overall review to all sections.
TEC	Brief contribution to section 4.5, regarding the Spanish-based SECN and overall content review
PLAN	Overall content review
TAR	Overall content review
SEC	Content of sections 4.4.1. and 4.5, regarding the Bulgarian-based SECN.
ASEN	Content of sections 4.4.1. and 4.5, regarding the Bulgarian-based SECN.
SEZ	Review with respect to Dissemination, Communication and Exploitation aspects
IBS	Overall content review, Content of sections 4.5 regarding the Estonian-



	based SECN and sections 4.3.2, 5.1
RINA	Contribution to section 4.5 regarding the Italian-based SECN

Table 2: Contribution of partners

1.3 Relation to other activities in the project

The following Table 3 depicts the main relationship of this deliverable to other activities (or deliverables) developed within the SmartEnCity project that should be considered along with this document for further understanding of its contents.

Deliverable Number	Contributions
D2.8	This deliverable presents Cities4ZERO strategy, the methodology followed in the 5 cities of the project, which is extended to the network cities.
D8.7	This deliverable also provides input for the D8.7 widening the scope of replication
WP9	This deliverable also provides input for various WP9 deliverables regarding communication, dissemination, exploitation and training webinars etc.

Table 3: Relation to other activities in the project

2 Objectives and expected Impact

2.1 Objective

The initial 12 months (M01 - M12) in task 8.1 were focused on establishing a robust joint platform for recruiting cities to the SECN, to secure interested cities for a large-scale replication of the systemic approach demonstrated in the SmartEnCity project.

The following 12 months (M13 - M24) have been focused on scaling up the number of participating cities, on implementing scheduled activities and on developing content to start the joint City Journey toward an Integrated Urban Plan (IUP) for additional 15+ qualified and motivated replication SECN cities.

The following 24 months (M24 – M48) were focused on increasing the number of SECN city members, establishing national based SECNs in the five core countries of the project (i.e. Estonia, Spain, Denmark, Italy and Bulgaria), sharing the knowledge generated about the Integrated Energy Plan (IEP) concept (formally known as IUP) to all SECN city members and engaging them in a deeper understanding of the concept via the SmartEnCity Network Bulletin, SmartEnCity Network Platform, the City Check-up Assessment, participation to events on the topic, etc.

2.2 Expected Impact

The expected impacts of task 8.1 between M24 and M48 are:

- Continued recruitment of ambitious cities,
- Continued capacity building workshops for the SECN members,
- Sharing knowledge and learnings among the Network members including Network meetings, technical study tours, training seminars etc.,
- Stronger value proposition and Network strategy ensuring higher engagement of the city members in the SEC activities using the SECN platform, SECN Bulletin, City Check-up assessment, etc.

3 Overall Approach

This chapter focuses on the overall strategic approach taken with the development and growth of the SECN, along with the SEC partners' involvement in these activities.

3.1 Development of the value proposition

The value proposition of the SECN did not change much in the past 24 months but rather transformed in more specific activities that the SEC project can offer to its Network. The value proposition of the SmartEnCity Network as it was defined before:

The SmartEnCity Network enables cities across Europe to become Smart Zero Carbon City frontrunners

We invite cities, urban planners and associated experts across Europe to join our effort to co-create Smart Zero Carbon Cities. We commit ourselves to share our ambitions, results and best practice learnings based on an integrated action-oriented approach with strong citizen participation.

Our vision is to enable Europe's small and medium-sized cities to become fast economically growing Smart Zero Carbon Cities.

We offer the network honest proven experiences, inspirational cases, integrated approach insights, knowledge sharing, tools and learnings from the three SmartEnCity Lighthouse projects including utilities and industrial partners, our two followers and our Network cities.

You don't have to be a Capital City to do a major difference.

Join the SmartEnCity Network and become a Smart Zero Carbon City frontrunner

The SmartEnCity Network offers the following additional value to its network members:

- Already tested smart energy (Lighthouse City) solutions for their cities,
- Learning experiences across all SECN members across Europe,
- SmartEnCity Replication Toolkit,
- News from the network members,
- Newsletters about the SEC (twice yearly),
- SECN Bulletins (every 6 weeks – 9 times a year),
- Invitations to SECN network meetings,
- The opportunity/invitation to start a national based SECN in your country – beyond the five Lighthouse and Follower cities,
- Introduction to IEP concept,
- Assessment of cities according to the IEP and providing personal feedback based on cities' answers
- Opportunity to be visible on the SECN platform, learn about and share your best practices,
- A national/regional platform for the most ambitious cities/municipalities where they can exchange ideas, develop common procedures and methodologies for smart integrated energy planning and get influence on national framework conditions.



3.2 Development of the SmartEnCity Network strategy

The Network strategy similarly to the value proposition evolved in the past 24 months. The main concept of the 5-step approach is still in the core of it:

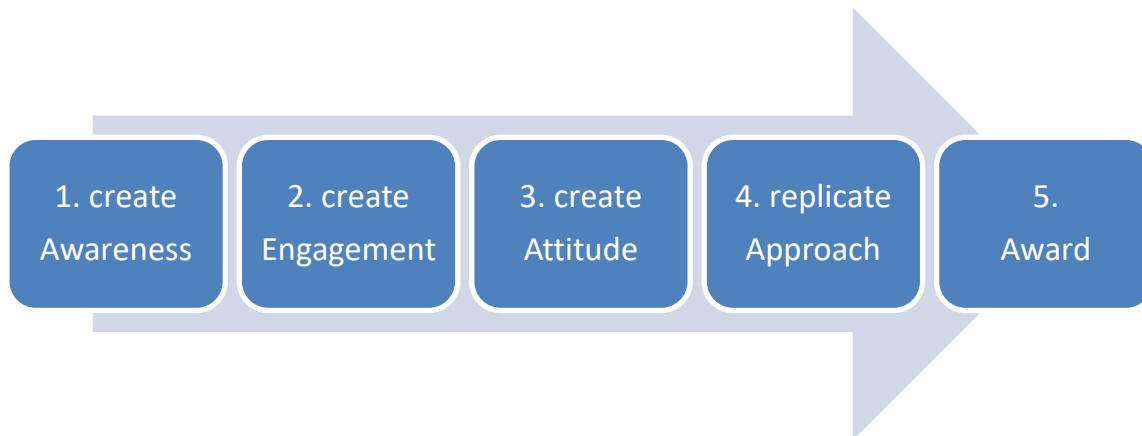


Figure 2 Five step model for SECN members

The 5-step model has been created and explained in D8.1 and D8.3 and its main objective has been to secure a dynamic and robust process for how network cities can be exposed, engaged, committed, trained and awarded, as participants of the SmartEnCity Network.

Following a WP8 strategy-meeting in Copenhagen, Denmark in May 2018, the SmartEnCity Network Strategy 2.0 has been created. The SECN 2.0 strategy is based on the conclusions and forward-looking statements from the SmartEnCity D8.3 Report: Smart Cities Network Activities Report_v2 [M24]. During the WP8 meeting in Asenovgrad, Bulgaria, from the discussions, it became clear that the use of IUP (Integrated Urban Plan) was wrong and should be replaced by IEP (Integrated Energy Planning approaches), created and implemented in close cooperation with the city's IUP processes. This was backed up from all participating partners due to the fact that the plan that all cities (the three Lighthouse and the two Follower) were/are creating is focused on the energy system of a city. However, this plan, all partners agreed, is indeed a part of an IUP of a city.

The SECN 2.0 ambition is to continue scaling the deployment of IEP approaches and reach a minimum of 15 new Smart City Integrated Energy Planning methodology to be recognised from cities as suitable IEP approaches to be initiated and/or implemented as impact of the SmartEnCity Network before the end of the SEC project 2021 – using the national SECN-XX capacity building platform as the scaling basis.

In order to achieve this ambitious goal, a more robust national structural support in the five SEC partner countries (Estonia, Denmark, Spain, Italy and Bulgaria) was needed.

According to the SEC Grant Agreement (GA) (task 8.1), the purpose of the SmartEnCity Network is:

to create an additional cluster of cities besides official follower cities willing to deploy and replicate the project solutions, having access to the knowhow and results of the project and a privileged contact with the project's partners. This will create a community of like-minded cities and more wide scale and successful replication of project results.

According to the GA (task8.1, activity #6):



A series of local level stakeholder capacity building workshops (10) for aligning local conditions to methodologies to guide the evolution towards 100% RES Smart City and Smart community. The aim is to involve 400-500 participants with these workshops around Europe and reach to minimum 15 new Smart City Integrated Urban Development Plan or Smart Community Strategy development processes within the Smart Cities Network by the end of the project.

The expected outcome is that the SECN will serve as a platform for replication of SEC solutions based on a minimum of 15 cities reaching out for integrated planning following the toolbox and guidelines of the SmartEnCity project.

The SECN 2.0 strategy, the ambition is to grow the participating number of cities from 28 cities (M24) to 60 cities, based on a stronger country focused approach, but still open for small and medium sized city-participants from across Europe.

The target broken down to country level has been:

Estonia	8 members
Denmark	8 members
Spain	8 members
Italy	8 members
Bulgaria	8 members
Other city participants from other countries	20 members
In total	60 members

Table 4 SmartEnCity Network member target

To achieve the above-mentioned ambitious targets, there was a need for a more country focused approach, as also described in the D8.3 Report. Having European wide SECN by itself might not be enough to be able to engage and move cities into becoming the smart energy and resource efficient cities which is also one of the objectives of the SEC project.

Cities from different countries, of different sizes, with different ambitions, etc. will benefit from the solutions of other cities in different countries and be inspired to bring new concepts and models into their energy planning strategies. However, establishing national based SECNs will bring more value to the cities, as their fellow national SECN members will have to deal with the same legislation issues, mind-sets, funding opportunities, governmental barriers, etc. This will also bring value to the European wide SECN vision and expansion as this will attract ambitious cities that otherwise might have never joined the SECN in the first place. An example is drawn from the SECN-DK and their member Middelfart. Although Middelfart is relatively small in size, their city ambition towards green transformation is great. Middelfart joined the SECN after a few meetings with the other Danish cities now forming the SECN-DK.

The SECN 2.0 national approach is based on the learnings from the SECN-DK and its workshops/meetings (more about the SECN-DK activities below) with the ambitious Danish energy cities (Danish follower cities of the SmartEnCity Network).

The positive response from the SECN-DK cities to this national approach in Denmark was one of the reasons why this approach was presented and on a later stage approved and adopted in the SECN 2.0 strategy.

The ambition is to establish similar local SECN-XX country network groups in Estonia, Spain, Italy and Bulgaria.

In countries outside the five SEC Lighthouse & Follower city projects, local support-activities should be based on existing local network organisations. This will be supported with other SECN events, capacity building workshops, etc. where cities can also interact and learn from other cities internationally.

In order to achieve the ambitious SECN 2.0 targets and objectives, a central coordination, communication and follow up function was established to strengthen and professionalize the city interactions and recruitment of new cities. This has been done in the form of a Network Bulletin (more about the SECN Bulletin below).

3.3 Partners involved

Leader of Task 8.1 has been ZERO in close cooperation with the following involved partners: IBS, TREA, TAR, PLAN, AAU, TEC, AVG, ACC, RINA, LECC, SEZ, ASEN and SEC. This close cooperation derive from the need for creation of national based SECNs in the five core SEC countries, continuous development of the SECN strategy and value proposition. IBS, SEC, RINA, TEC and ZERO took up the task to create and manage the national networks in their countries of origin, ensuring the knowledge transfer from the outcomes of the SEC project, solutions and initiatives from the international SECN but also ensuring the successful implementation of these nationally, having in mind what barriers exist on a local level. The rest of the partners have been an integral part of the strategic meetings, national based SECN meetings and implementation of this task. Between M24 and M48 all mentioned partners have been involved in meetings aiming at creating a stronger engagement activities for the SECN and replication of SEC outcomes, solutions and initiatives.

Activities created in task 8.1 and task 8.2 form the platform for large-scale replication of the SEC demonstrated approach (created in WP2, WP3, WP4, WP5, WP6, WP7), the base for all other WP8 work and tasks including a base for the WP9 Exploitation, Dissemination and Communication.

4 Detailed description of the overall approach

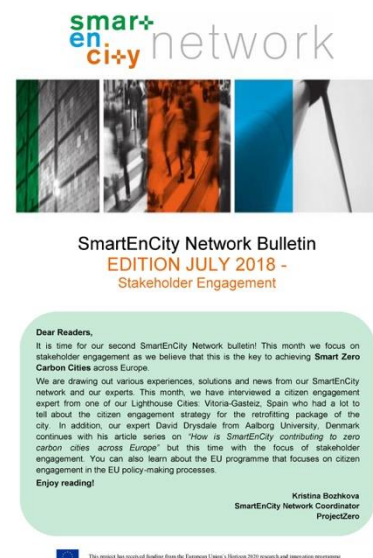
This chapter explains in detail the overall approach of including various activities, events, disseminations created from the last report made in M24 (January 2018) until M48 (January 2020).

4.1 SmartEnCity Network Bulletin

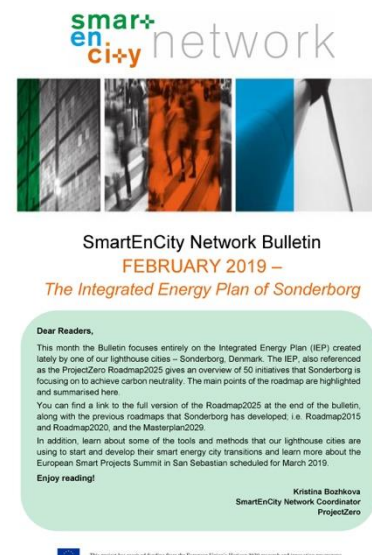
The Network Bulletin was created to inspire, engage SECN cities delivering information about new SECN developments, solutions, news, events, academic articles done within the SEC project, etc. As of M48 there have been 17 Network Bulletin published with more than 150 direct receivers. However, the Bulletin reaches much more people via the SEC newsletter, promotion on the main SEC news/events webpages, the SECN platform (more about number of audiences of the platform follows), the SEC social media channels, etc.

Below, all editorials of the SmartEnCity Network Bulletins presenting the main content of each of the 17 Bulletins are presented:

- Nr 1 – Dear Readers, Welcome to our first monthly SmartEnCity Network Bulletin!** The bulletin outlines different topics regarding smart energy transition of cities along with presenting news from the network members. In addition, our SmartEnCity technical experts are regularly interviewed for more insights on how cities in SmartEnCity Network are progressing with their zero carbon transitions. This month, our main subjects are focused on smart mobility, smart energy buildings and the concept of how we – in SmartEnCity, perceive zero carbon city transition. Furthermore, one of our technical experts will explain how one of our lighthouse cities, Sonderborg, manages its zero carbon transition. Enjoy reading! [Full bulletin.](#)
- Nr 2 (Stakeholder engagement) - Dear Readers,** It is time for our second SmartEnCity Network bulletin! This month we focus on stakeholder engagement as we believe that this is the key to achieving Smart Zero Carbon Cities across Europe. We are drawing out various experiences, solutions and news from our SmartEnCity network and our experts. This month, we have interviewed a citizen engagement expert from one of our Lighthouse Cities: Vitoria-Gasteiz, Spain who had a lot to tell about the citizen engagement strategy for the retrofitting package of the city. In addition, our expert David Drysdale from Aalborg University, Denmark continues with his article series on “How is SmartEnCity contributing to zero carbon cities across Europe” but this time with the focus of stakeholder engagement. You can also learn about the EU programme that focuses on citizen engagement in the EU policy-making processes. Enjoy reading! [Full bulletin.](#)



- Nr 3** - Dear Readers, In this month's bulletin we are focusing on the technologies that our SmartEnCity network cities across Europe use to back up their Smart Zero Carbon journeys. Find more about the District cooling solution in Tartu from our Estonian expert –Margus Raud, Fortum Tartu. Our expert David Drysdale from Aalborg University continues with his series of articles, this time he focuses on the second phase of the Integrated Energy Planning process that a city goes through. In addition, we are happy to invite all of our SmartEnCity Network members to a replication workshop organised by Smart Cities and Communities in collaboration with INEA and the European Commission, which you can read more about below. Enjoy reading! [Full bulletin.](#)
- Nr 4** - Dear Readers, In this September 2018 edition of the bulletin you can read about the SmartEnCity network development across Europe. Several cities in Estonia are taking steps towards establishing a national based SmartEnCity network and together they are hoping they can tackle climate change and move towards their zero carbon city futures. Read the interview with our experts that are coordinating the process and find out more. As usual our expert David Drysdale has written another of his series of articles relating to stakeholder engagement with a real life example from one of our lighthouse cities –Sonderborg, Denmark. In addition, you can have a look at the news from the cities in the SmartEnCity network and more. Enjoy reading! [Full bulletin.](#)
- Nr 5** - Dear Readers, This month's Bulletin is all about communication activities in cities and efficient stakeholder engagement through informative and well-structured events. One of our Lighthouse Cities –Sonderborg is sharing their experiences and outcomes from their local stakeholder engagement processes. In addition, David Drysdale continues with his series of articles about Integrated Energy Planning. This time he goes into the role of the planner and policy-makers in the decision-making, implementation and monitoring processes of planning. Furthermore, Sonderborg won a prize in the Covenant of Mayors award "Covenant cities in the spotlight" which you can read more about in this bulletin. Several Smart Cities and Communities events are highlighted along with an invitation to this year's Smart City Expo in Barcelona. All about these below! Enjoy reading! [Full bulletin.](#)
- Nr 6 (Information and communication technologies)** - Dear Readers, This month, the main focus of the Bulletin is on different ICT solutions that cities use in their smart energy transitions. Find out about Dubrovnik Eye application which enables the fast communication between citizens and municipal administration in regards to different issues the city may have. The Danish company KMD's solution – Energy Key, helps municipalities monitor their energy production, consumption, etc. effectively allowing the cross communication with other ICT solutions the municipalities may have. In addition, learn more about the 5G cross-country corridors



which allow for testing of autonomous vehicles in 29 European countries and much more. Enjoy reading! [Full bulletin.](#)

- Nr 7 (2018 best practice stories told by the SmartEnCity Network cities) - Dear Readers,** This month the bulletin is focused on the best practice stories from 2018 from different cities within the SmartEnCity network. The three SmartEnCity lighthouse cities – Vitoria-Gasteiz (Spain), Tartu (Estonia) and Sonderborg (Denmark) as well as the two follower cities – Asenovgrad (Bulgaria) and Lecce (Italy) are highlighting some of their best practice stories of this year. In the following, you will find more inspirational best practice stories from some of the other cities within the SmartEnCity network. You can read about the status of the network and how it evolved from the beginning of the year and more. Merry Christmas and Happy New Year! Enjoy reading! [Full bulletin.](#)
- Nr 8 - Dear Readers,** Happy new year! We start the year with an overview of the SmartEnCity Network and its new developments. One of our lighthouse cities – Tartu, Estonia – have already started their Integrated Energy Planning process and its integration into their Sustainable Energy Climate Adaptation Plan (SECAP) – find out about their current progress. One of our follower cities – Rome, Italy – shares their Good Practice label award for being a role model for urban regeneration. In addition, another of our lighthouse cities – Sonderborg, Denmark – won the Smart Cities Information System (SCIS) video competition for smart and innovative city initiatives. See the video and much more. Enjoy reading! [Full bulletin.](#)
- Nr 9 (The Integrated Energy Plan of Sonderborg) - Dear Readers,** This month the Bulletin focuses entirely on the Integrated Energy Plan (IEP) created lately by one of our lighthouse cities – Sonderborg, Denmark. The IEP, also referenced as the ProjectZero Roadmap2025 gives an overview of 50 initiatives that Sonderborg is focusing on to achieve carbon neutrality. The main points of the roadmap are highlighted and summarised here. You can find a link to the full version of the Roadmap2025 at the end of the bulletin, along with the previous roadmaps that Sonderborg has developed; i.e. Roadmap2015 and Roadmap2020, and the Masterplan2029. In addition, learn about some of the tools and methods that our lighthouse cities are using to start and develop their smart energy city transitions and learn more about the European Smart Projects Summit in San Sebastian scheduled for March 2019. Enjoy reading! [Full bulletin.](#)
- Nr 10 - Dear Readers,** This month the Network Bulletin shares a press release on how a city can become a Smart City following the experiences and lessons learned from the SmartEnCity project and its Lighthouse Cities. The Bulletin also: Highlights this month's meeting activities of the SmartEnCity Network in Denmark -the Energibyerne.dk; Provides an overview of the new energy-retrofitting works in Vitoria-Gasteiz; Summarises an Estonian construction delegation's visit to Sonderborg; Summarises a lecture held at the University of Tartu at the beginning of February



This project has received funding from the European Union's Horizon 2020 research and innovation programme



2019 on “SmartCity and Smart Citizens: how to control the environmental burden”. You are invited to join the CELSIUS webinar held mid-April 2019 on “Policy recommendations for carbon neutral energy systems and markets”. Find more information about the webinar below. Enjoy reading! [Full bulletin.](#)

- Nr 11** - Dear Readers, Learn about solutions from our Lighthouse Cities –Vitoria-Gasteiz’s Urban Management System and how Tartu is reusing old EV batteries to store energy. Read solutions from some of our Follower Cities –learn how Vratsa, Bulgaria is transforming its residential buildings into energy effective living environments, Lviv, Ukraine is teaching its residents through its “Smart people program” and learn about the CO₂ impact that Voru, Estonia had when they switched to smart street lighting. The SmartEnCity Network is organizing a SmartEnCity Network Workshop Day this June in Cagliari, Italy. Main topics will be focused on Integrated Energy Planning, City Information Open Platforms and how your city can become a Smart Zero Carbon City. See more details about the event and how to register below. Enjoy reading! [Full bulletin.](#)
- Nr 12** - Dear Readers, This edition of the Network Bulletin provides an overview of the main topics discussed at the SmartEnCity Network Workshop Day held on the 5th June 2019 in Cagliari, Italy – namely Integrated Energy Planning and City Information Open Platforms. Learn about one of our Lighthouse Cities’ –Tartu, Estonia news! Tartu is ready to launch its bike sharing system and in addition won the Smart City Information Platform (SCIS) roadshow. Another news from Estonia is that the national based SmartEnCity Network (“The Smart Cities’ Club) met for the third time in Tartu and participated in the “Smart City for citizens” conference that focused on data and artificial intelligence as game changers for the cities. Last, but not least, the Bulletin briefly explains about how the climate becomes top priority in the EU’s budget for 2020. Enjoy reading! [Full bulletin.](#)
- Nr 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! [Full bulletin.](#)



- Nr 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! [Full bulletin.](#)
- Nr 15 - Dear Readers,** This edition of the Network Bulletin starts with the awards that two of our Lighthouse Cities – Sonderborg (Denmark) and Tartu (Estonia), received for their climate innovation and energy actions this year. A warm welcome to one of our newest Network members –the municipality of Elva, Estonia. Read more about the ambitious municipality and its energy related goals and initiatives below. Learn more about “Retrofitting Soviet-Era Apartment Buildings with ‘Smart City’ Features: The H2020 SmartEnCity Project in Tartu, Estonia”. A new scientific publication created in collaboration between University of Tartu and Tartu municipality. Last but not least, be inspired by the outcome of the final Triangulum, GrowSmarter and Remourban Lighthouse cities session “From dream to reality: sharing experiences from leading European Smart Cities”, held during the European Week of Cities and Regions, Brussels, October 2019. Enjoy reading! [Full bulletin.](#)
- Nr 16 - Dear Readers,** This month, the Bulletin reports from the 4th Estonian Smart City Club meeting, the national based SmartEnCity Network in Estonia. Furthermore, you can read about the latest initiatives of one of the SmartEnCity Lighthouse Cities –Sonderborg, Denmark. Learn about how the city transition its Roadmap2025 integrated energy plan into execution and find out more about the 100% Climate Neutrality Conference and the Hackathon focused on Sonderborg’s climate and energy challenges. At the EU corner –we are happy to welcome another Smart Cities and Communities project – ATELIER. Enjoy reading! [Full bulletin.](#)
- Nr 17 - Dear Readers,** Happy new year! In 2020 we will launch The SmartEnCity Academy for Zero Carbon Transition, a new webinar series for ambitious climate cities created by the SmartEnCity partners. Learn more about the new webinar-series below. A warm welcome to one of our newest SmartEnCity Network members – Chortkiv, Ukraine. Read more about the city and its ambitious energy initiatives in this Bulletin. Vitoria-Gasteiz, Spain will enhance the quality of life for its citizens by use of



BIM technology. The art works on apartment buildings in Tartu, Estonia is paused for the winter, but the artists will continue their SmartCity art-creations in 2020. EU Corner – Save the date: the 4th CITIES Forum 2020 is coming up soon! Enjoy reading! [Full bulletin.](#)

4.2 SmartEnCity Network (Website) Platform

The Network Platform and its features are explained in D8.3. The Website Platform has been operational since September 2017. The main reason why it was created was to be able to engage with the SECN members and showcase all solutions, development news, events, etc to all interested cities and other parties. In addition, the platform serves as an interactive solution/initiative search for cities to be able to filter out their main interests.

As a part of the platform, a google analytics tool has been activated which enables the possibility to track various KPI's such as audience, acquisition, etc. Some of the main figures from this tool are summarised below:

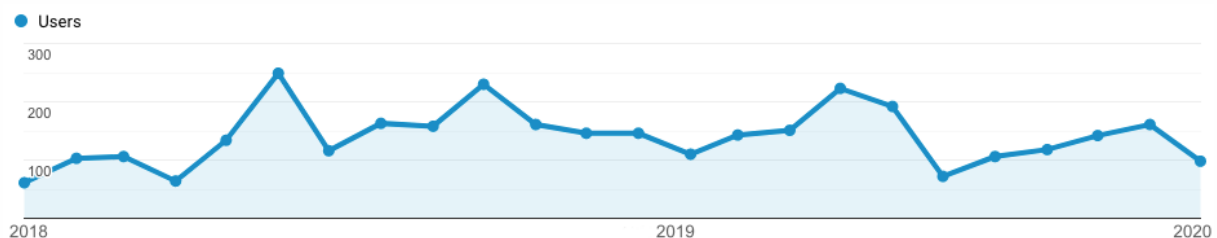


Figure 3 SECN website platform, monthly audience activity between M24 - M48

As it can be seen from the figure above, the number of users accessing the SECN platform on a monthly basis fluctuates. The low points on the graph are mainly the months July and January/February. The lower audience can be due to the fact that most of Europe is on holidays during these months and are generally considered as “low” work wise months.

Figure 4 shows the amount of users that have visited the SECN Platform in the past 24 months (2,930 users) and the number of sessions they had. Since this number is higher than the number of users, it suggests that the users are returning to the platform. Overall, there were 7,517 page views – having in mind that all pages on the SECN Platform are formed from SECN news, events, city solutions, updates on methodologies, including the SECN Bulletin – this further supports the assumption that the amount of people that the Bulletin has reached is much greater than 163 (as mentioned below).



Figure 4 Statistics, SECN Platform

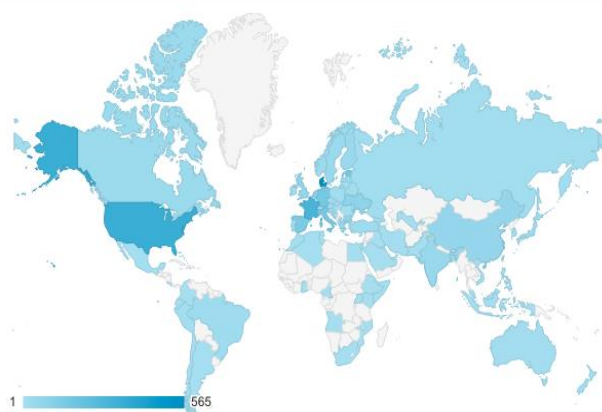
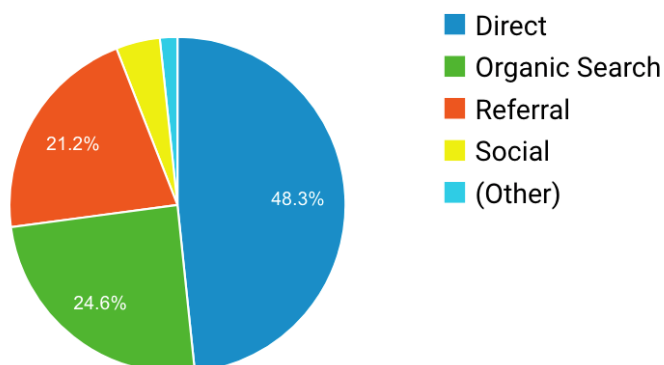


Figure 5 Geographical overview of the locations that the SECN Platform was accessed, M24-M48

The analytics tool provides an overview of the location from where the SECN Platform was accessed too which is illustrated on Figure 5. As it can be seen from Figure 5, although the main focus of promotion of the SECN Platform is in Europe, the Platform has drawn attention from all over the world.

Figure 6 illustrates which are the main channels that the SECN Platform was accessed from, how many users accessed it directly, by referral, social media, etc. Most of the users access the Platform directly which could suggest that they are using a specific link to reach the Platform. The SECN Bulletin was designed to pinpoint specific links that would then lead the users to a specific landing page – therefore, this could suggest that many of the direct access users may belong to the SECN Bulletin receivers. This is further support to believe that the amount of Bulletin receivers is greater than 163 people (which is the amount of people that the bulletin is directly sent to). The top 3 referral websites are: smartencity.eu (main SEC website), projectzero.dk (ZERO) and enefcities.org.ua (this is the organisation that is the main promoter of SECN activities and recruitment of cities in Ukraine). The social media referrals come from Facebook, Twitter and LinkedIn, where SEC project and Network has profiles, with the exception of Facebook where ZERO has a profile.

Top Channels



		Acquisition
		Users ↓
		2,939
1	Direct	1,461
2	Organic Search	742
3	Referral	640
4	Social	128
5	(Other)	51

Figure 6 Acquisition overview of the SECN Platform, M24 - M48

4.3 SmartEnCity Network members

As of January 2020, the SECN consists of 52 city members (including the 3 Lighthouse and 2 Follower cities) from 15 countries, which is about 86% increase of city members from M24. The list of members, their country of origin and contact person can be found in Figure 7. The next figure illustrates the growth of the SECN in the last 24 months.

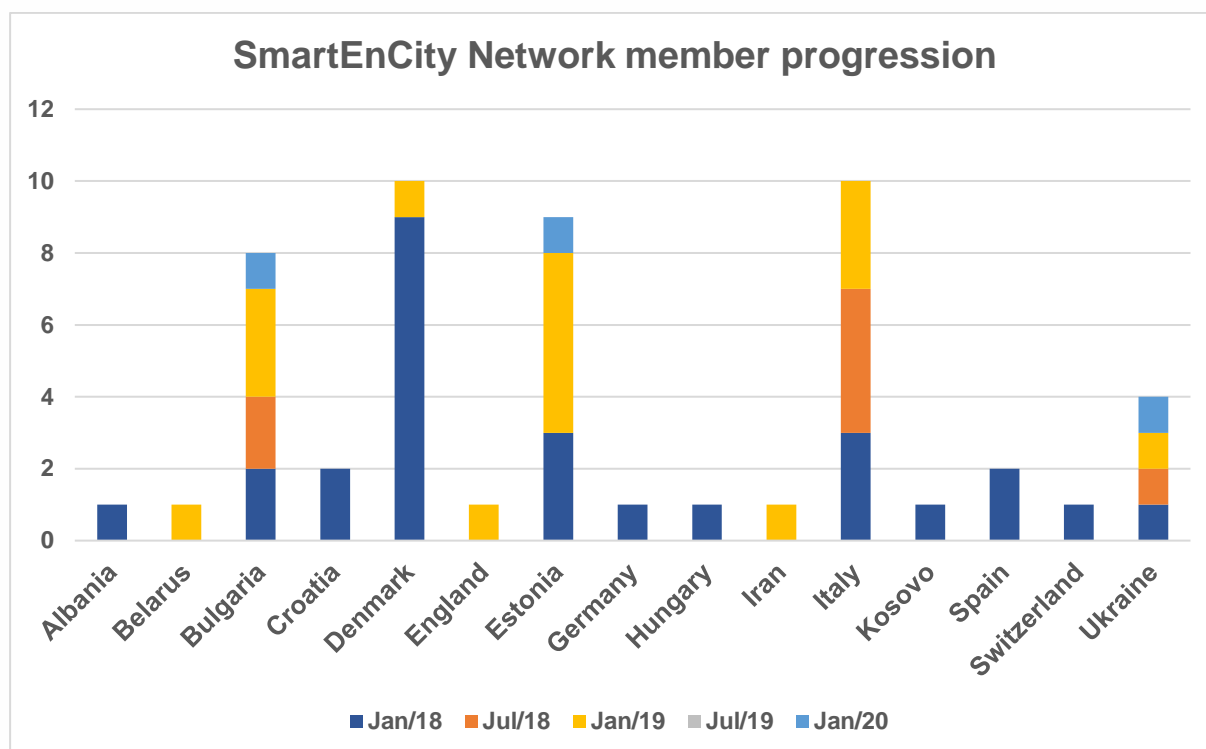


Figure 7 SmartEnCity Network member growth progression between M24 and M48

The dark blue columns represent the “baseline” which is the number of members in M24, namely 28. As it can be seen from the figure, a significant growth of members became evident in the following 24 months (orange and yellow colours), specifically in Estonia, Italy and Bulgaria, as well as in Ukraine. This can be explained with the implementation of the SECN strategy 2.0, with a decision from the WP8 meeting in Copenhagen, May 2018.

4.4 Organisation of SECN capacity building workshops

Between M24 and M48, two SECN capacity building workshops have been organised, namely in Asenovgrad, Bulgaria and in Cagliari, Italy.

4.4.1 The SECN capacity building workshop in Asenovgrad, Bulgaria – March 2018

The capacity building workshop took place in one of the SEC project Follower cities – Asenovgrad in March 2018. This was the 4th SECN event specifically organised for the SECN members.

There were 40 participants including SEC partners and mainly Bulgarian city representatives as it was decided that this workshop will focus on the Bulgarian context, therefore, having



presentations from Bulgarian cities about their challenges and barriers and success stories when operating nationally.

This is also the workshop where the IEP concept was first introduced to SECN city members, presented by PLAN and TEC following a project and network presentation from TEC and ZERO.



Figure 8 Presentations, SECN meeting Asenovgrad, Bulgaria

After the presentations, a round table discussion with all city representatives was done with the aim to get an understanding of the barriers that cities are facing when dealing with energy planning; what are the drivers that push them into becoming a smarter city and using the smart city concept and applying the SEC methods that help cities transition into Smart Zero Carbon Cities.



Figure 9 Round table discussions, SECN meeting Asenovgrad, Bulgaria

A field trip to the hydro power plants in Asenovgrad (Figure 10), the new (at the time) wastewater treatment plant (Figure 11) and some of the renovated apartment buildings (Figure 12) highlighted some of Asenovgrad's energy initiatives to the participants.



Figure 10 Hydro power plant in Asenovgrad, Bulgaria



Figure 11 (left) Waste water treatment plant in Asenovgrad, Bulgaria;

Figure 12 (right) Renovated apartment buildings in Asenovgrad, Bulgaria

An article highlighting the activities at the meeting was created and shared on the SECN platform for other members and interested parties to learn about. The article is available [here](#). The agenda of the event can be found in Annex 2.

With respect to exploitation activities, there were a Knowledge Transfer Workshop (T9.4). The consortium met during the workshop to discuss ideas for launching the most promising results with the network members. This workshop in Asenovgrad gave a chance to update the project results.

4.4.2 The SECN capacity building workshop in Cagliari, Italy – June 2019

The workshop took place in Cagliari, Italy in June 2019. This was the 5th SECN event specifically organised for the SECN members. It was decided among the WP8 group that a synergy with another possibly interesting event for the SECN members would be the new approach when organising SECN meetings. At the time, the Sustainable Places Conference was taking place in Cagliari, Italy, which is also a member of the SECN, so the Network meeting was organised there.

This workshop, named "The SmartEnCity Network Workshop Day", welcomed nearly 40 participants from across Europe. Out of these, eight municipality representatives of cities within the SmartEnCity Network joined a panel discussion talking about challenges they faced in their city energy planning. The main topic discussed at the workshop was Integrated Energy Planning (IEP) and the need of City Information Open Platforms (CIOP).



A thorough overview of the Integrated Energy Planning methodology, following the main steps of the methodology was presented:

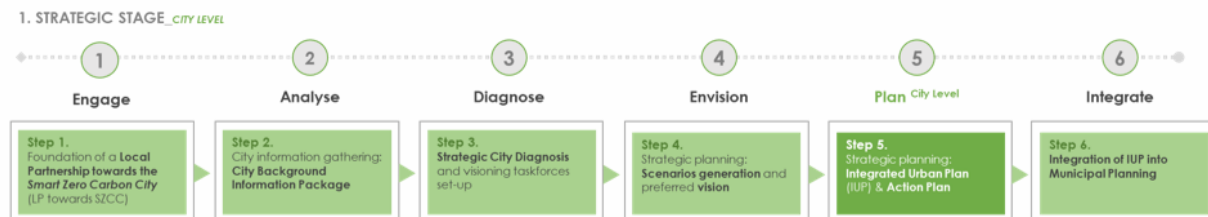


Figure 13 IEP, Strategic stage steps

Following the methodology, various tools which can help support the Smart Zero Carbon Transition of the city were presented, experiences from some of the Lighthouse cities and the importance of City Information Open Platforms were presented too.

The next session was a panel discussion. All participating cities had a possibility to fill in a city questionnaire based on the steps of SmartEnCity IEP methodology. The participating cities were provided with an overview of the survey, feedback based on the results and after that were asked to join the panel discussion. On the panel discussion, the cities were requested to reflect on their three biggest challenges in their cities to transition toward a carbon neutral city. The following cities participated in the panel discussion (seen in the photo below from left to right): Hoje-Taastrup (Denmark), Rome (Italy), Vratsa (Bulgaria), Elva (Estonia), Valga (Estonia), Lecce (Italy), Sonderborg (Denmark) and Tartu (Estonia).



Figure 14 SECN meeting in Cagliari, Italy - panel discussion

An article highlighting what happened at the meeting was created and shared on the SECN platform for other city members and interested parties to learn about. The article is available [here](#). The agenda of the event can be found in Annex 3.

The goal of Task 9.4 “Knowledge-Transfer Events” is to enhance the knowledge transfer process from the group of Lighthouse Cities and Follower Cities to the members of the SmartEnCity Network. During the SECN workshop in Cagliari, this was achieved through one workshop. Two exploitable results from the SmartEnCity project – IEP as a consultancy service to the market and CIOP as a data platform were introduced. The objective was to get the reaction from other cities for those exploitable results.

4.5 National SECN based capacity building workshops

Following the SECN strategy 2.0, several national based SmartEnCity Networks have been launched.

4.5.1 SECN-DK

The SECN-DK, also known as the Danish Energy Cities (Energibyerne in Danish) were the first national based network within the SECN. The Energibyerne, consists of seven ambitious Danish cities a part of the SECN, with one of them being the Lighthouse city – Sønderborg. The national cooperation between these Danish cities was launched in December 2017 and not long after a specific SECN-DK webpage following the development of the network has been created in the SECN Platform (see [here](#)).



Figure 15 The SECN-DK members

The seven cities (municipalities) have initiated this collaboration towards green transformation with the goal of creating a fossil free environment in their cities as soon as possible and to do so they have started sharing and exchanging knowledge about energy-efficient solutions, citizen engagement, transport, strategic energy planning and other. The cities are: Frederikshavn, Horsens, Høje - Taastrup, Middelfart, Ringkøbing - Skjern, Skive and Sønderborg.

Until M48, there have been 13 joint SECN-DK capacity building workshops:

- December 2017 (Middelfart)
- February 2018 (Middelfart)
- April 2018 (Ringkøbing-Skjern)
- June 2018 (Bornholm - the People's Political Festival)
- September 2018 (Høje-Taastrup)
- December 2018 (Horsens)
- March 2019 (Skive)
- June 2019 (Bornholm - the People's Political Festival)
- October 2019 (Sønderborg – attending also the 100% climate Neutrality conference 2019 in Sønderborg)
- November 2019 (Middelfart – SECN-DK strategy discussion in light of the DK2020-project)
- December 2019 (Middelfart – special invitation to SECN-DK member to discuss national planning-law issues/challenges with the national agency in light of the DK2020-project)
- December 2019 (Frederikshavn)

- January 2020 (Horsens)

Figure 16 illustrates some of the meeting locations of the Energibyerne.

Besides workshop-meetings in each one of the cities, learning more in depth about their challenges and solutions, energy planning activities, etc, the cities have agreed to participate to the People's Political Festival (Folkemode in Danish) together. At this event, cities, politicians, various organisations, citizens are able to communicate the most important messages to the government and engage in a dialogue with the politicians including ministers, mayors, and other. The Energibyerne have recognised the need to have a united voice expressing the need of carbon free cities.

As part of the C40 conference in Copenhagen October 2019, the Danish Realdania Fund created a DK2020-platform and invited 20 Danish cities (municipalities) to participate in a joint learning journey. The DK2020 is similar to the C40 Deadline2020 platform, created for the C40 cities to secure that they commit, plan and create climate actions for achieving the Paris 1.5 degree agreement. Four of the seven Energibyerne members have signed up for the DK2020 process and will during 2020 create Climate Action Plans following the C40 CAP Framework. The remaining three municipalities are kept in the DK2020 learning loop and invited to participate in part of the learning process. The C40 CAP framework integrates mitigation and adaptation in the CAP climate action planning and provide an excellent opportunity to showcase the SEC tools to the DK2020-participating municipalities.



Figure 16 SECN-DK meetings

4.5.2 SECN-EE

The Estonian SECN was the second national network launched after the SECN-DK. The Estonian SECN is called the Smart Cities Club (Eesti Tarkade Linnade Klubi in Estonian) and consists of eight Estonian cities, one of them being Lighthouse city Tartu. The cities of the SECN-EE are: Tartu, Voru, Valga, Elva, Tallinn, Jõgeva, Viimsi and Saaremaa. The network has also launched a SECN platform based webpage (see

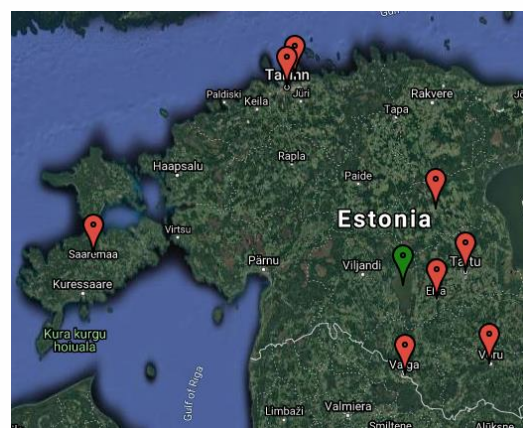


Figure 17 SECN-EE members



green pin) which can be accessed [here](#).

Until M48, the SECN-EE have had four capacity building workshop-meetings:

- September 2018
- December 2018
- May 2019
- October 2019

Figure 18 illustrates some of the meetings of the Eesti Tarkade Linnade Klubi.

The goal of SECN-EE is to bring together Estonian cities who have similar ambitions in terms of achieving energy savings in both public and private sector of the city, increasing the share of RES and successfully applying for internal and external funding to achieve these goals. The goal of the Network is to promote energy planning and if necessary, help the cities draft their IEP's, and to enable experience sharing and unfiltered discussion.



Figure 18 SECN-EE meetings

The Estonian Smart Cities Club offers additional value in terms of offering a chance to network with other city and rural government representatives and present best practices from cities who have been successful with receiving funding and completing activities in the energy savings area, or who have other interesting and useful practices that may be replicable in other cities.

Each meeting takes place in one of the member cities and the upcoming topics are agreed during the previous meeting. In the future, the Estonian Smart Cities Club plans to continue organizing biannual meetings and growing its member base.

While Estonia is very small, there has not yet been such a platform for cities to meet and openly discuss their shared obstacles and opportunities, which makes this a valuable tool in aiding the development of cities.

4.5.3 SECN-ES

The development of the Spanish national based SECN has been hindered by the difficult political situation in which Lighthouse city Vitoria-Gasteiz was in. The municipal elections celebrated in May 2019 delayed all the process, as the structure of the coming new government was adjusted, and the new members had to acknowledge the on-going process regarding the IEP and the SECN. Recently (January 2020), the new responsible of the Energy department has been officially appointed, hence the process is expected to continue with the plans drafted before the elections.

Therefore, the development of the national SECN in Spain will begin in March 2020. After the municipal elections in 2019, the new government structure has been confirmed, giving support to both the IEP process in the city and the national SECN activities. Both processes



will be held in parallel, feeding each other; the development of the IEP in the city will be contrasted with the Spanish SECN cities, while those learn from the activities and process developed in Vitoria-Gasteiz. In this line, multiple SECN cities will be organised regarding the Spanish node, first presenting the scenarios from the IEP in Vitoria-Gasteiz (March 2020), and secondly presenting the outcomes of the IEP strategic document (December 2020, *Plan de Acción para la Transición Energética Integrada de Vitoria-Gasteiz 2020-2030*).

4.5.4 SECN-IT

The SECN-IT, has been promoted through the cooperation of RINA and LECCE Municipality since January 2018. They started to promote the Principles and Objectives of SmartEnCity Project among some Italian Cities. As of January 2020, the network consists of 10 Cities, leaded by one of the SEC Follower City – Lecce and the following other cities: Benevento, Aversa, Genova, Padova, Roma, Tivoli, Pesaro, Palma Campania, Cagliari (Figure 19).

The ten cities have been constantly updated (each one since its correspondent subscription date) about the progress of the SEC project and LECCE as Follower City, until some of them attended the first SECN-IT meeting in Bolzano the 10th of December.

Before this first national based meeting some of them (specifically Benevento, Aversa, Roma) already attended to some of the international SECN events such as the one in Sonderborg and Cagliari.

The first SECN-IT capacity building workshop-meeting took place in Bolzano, in the framework of “Smart and Sustainable Planning for Cities and Regions Conference” - SSPCR 2019, organized by EURAC. Five cities’ representatives (Technical Managers of Municipal Department, Municipal Energy managers, Sustainability Managers for Municipal Companies) were present, representing 13 Municipalities (in fact some of them work for more than one Municipality).

LECCE, presented its initiatives in terms of Smart and Energy-efficient Urban Solutions, together with other Lighthouse and Fellow Cities. The aim was to bring together a wide range of key stakeholders around integrated planning and implementation of smart and energy-efficient solutions in cities, to discuss not only how the efforts to make cities more sustainable can be stepped up and bring about wider replication in the next years, but also which agenda for research and innovation should be defined in order to build more collective intelligence and transformative capacity supporting local governments.

RINA presented the SmartEnCity project and the main aims of the Italian network: to inspire new cities in undertaking the journey to become a Smart City. Then each representative described the context of their own city and what are the initiative on-going to become a Smart City (Figure 20).



Figure 19 Italian SECN



Figure 20 Project Presentation during 1st SECN-IT workshop-meeting

Finally, the group discussed about the main areas of interest for technical interventions: the main topics discussed were related to Municipal Buildings Retrofitting, Urban Mobility (Urban Plan for Sustainable Mobility), Public Lighting. RINA and LECCE described what the SEC Lighthouse Cities are doing in the framework of the Project.

Then RINA presented the approach by steps developed in the course of SEC Project and LECCE provided some indications on how, as Fellow City, is applying the methodology.

The group discussed how this methodology can adapt to different urban contexts, considering the different state of progress of Smart City initiatives in each city. The foresight approach has been considered as a useful tool for the engagement of city and citizens (Figure 21).



Figure 21 Round Table Discussion during 1st SECN-IT workshop-meeting

The SECN-IT will meet again in Spring 2020 (virtually) for an update of what Lecce is doing in the framework of the project and for providing feedbacks to cities on their common points with SEC methodology, according the City Check-up Assessment they are completing.

4.5.5 SECN-BG

Asenovgrad and SEC have been promoting SmartEnCity approach and results among Bulgarian municipalities and cities since the very beginning of the project through



collaboration and participation in suitable events organized by Sofia Municipality and Bourgas Municipality. ASEN and SEC promoted SECN-BG also through interventions at the XIII National Conference “Intelligent Cities and Regions – Integrated Energy Management and Development, Bio-economy, Nearly Zero Energy Buildings”, General Assembly of Association of Rhodope Municipalities, ARM, 25 June 2019, Smolyan, Bulgaria, and others.

As a result, the Association of Rhodope Municipalities as well as the cities of Sofia, Bourgas and Smolyan joined SECN-BG. The municipality of Kuklen actively participated in Asenovgrad stakeholder meeting for scenario formulation held on 16 May 2019 and is planned to attend the second stakeholder meeting in the beginning of 2020.



Figure 22 SECN-BG workshop-meetings

However, it was assessed that in order to intensify the promotion of SEC Network concept and its benefits among the Bulgarian municipalities, and to reach and possibly exceed the target number of 8 Bulgarian Municipalities in SEC Network, it is necessary to take a more proactive approach and arrange one-to-one visits and talks with potentially interested local authorities. Promotional letters announcing SmartEnCity concept and its benefits were prepared and sent in advance and meetings were held in November and December 2018 with the municipalities of Laki, Chepelare, Sadovo, Parvomay and Kuklen. Following the discussions held at the meetings, two municipalities joined SECN-BG – Laki and Parvomay, and with the rest further meetings and discussions are scheduled. On 28 August and 4 September 2018 meetings were held with representatives of Gabrovo Municipality and consequently Gabrovo joined SECN-BG.

As a result of above mentioned Bulgarian national based approach and activities, at present there are 8 Bulgarian cities and municipalities in SECN-BG. It is planned to continue with the same approach and hold further meetings and discussions with Chepelare, Pazardzhik, Kuklen, Rodopi, Sadovo, Plovdiv, Karlovo. Also the current members will be contacted and briefed on the latest developments and future activities within SmartEnCity and SEC Network. Due to local elections held in October/November 2019, the planned activities will start after February 2020 in order to give the newly elected city administrations time to fully activities.

4.6 SmartEnCity City Check-up Assessment for SECN

The SmartEnCity – City Check-up Assessment was developed in a beta version for the SECN event in Cagliari, Italy where it was tested with the participating cities at the event. Since the assessment was based on the IEP methodology and steps, its main goal is to get an understanding of where different cities are at their Integrated Energy Planning, provide



feedback including tools used in the SEC project on how to progress with their smart city development and finally be able to select 15+ cities which will implement the IEP method in their energy planning processes.

After the trial test in Cagliari, the assessment was re-evaluated by the WP8 experts and a final version of it was launched in October 2019. The assessment was sent to all 51 SECN members.

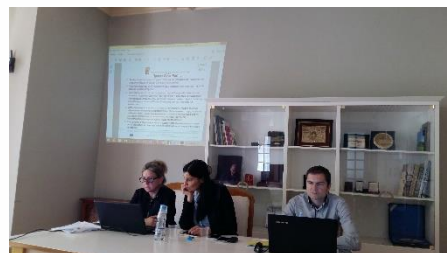
The City Check-up Assessment questions can be found in Annex 4 and the answers of the assessment until M48 can be found in Annex 5 Out of 52 city members 16 have answered by M48. Currently, a template for feedback is being elaborated and feedbacks to the answers of the cities have been distributed.

4.7 Promotion of the SECN

The following are the events, meetings, workshops, etc where the SECN has been promoted along with all SECN tools, methods, methodologies, best practice experiences, etc. These events include the national based SECNs' events, workshops along with the other EU SmartEnCity Network events that were held between M24 and M48:

2018

- February 2018 (SECN-DK, Middelfart, Denmark)
- March 2018 (SECN meeting in Asenovgrad, Bulgaria)
- April 2018 (SECN-DK, Ringkøbing-Skjern, Denmark)
- June 2018 SECN-BG (Smarter Together Workshop of Sofia Municipality, 19 June 2018, Sofia, Bulgaria)
- June 2018 (Second conference on the Covenant of Mayors, Iuje, Grodno region, Belarus)
- July 2018, SECN-BG (International Multidisciplinary Scientific GeoConference SGEM 2018, Albena, Bulgaria)
- September 2018 (SECN-DK, Høje-Taastrup, Denmark)
- September 2018 (SECN-EE, Tartu, Estonia)
- September 2018 (Nordic Edge, Stavanger, Norway)
- October 2018 (Gdynia EU Interreg BSR ActNow Conference)
- December 2018 (SECN-EE, Tallinn, Estonia)
- December 2018 (SECN-DK, Horsens, Denmark)
- December 2018, SECN-BG, (ABEA XIII National Conference “Intelligent Cities and Regions – Integrated Energy Management and Development, Bio-economy, Nearly Zero Energy Buildings”, 4 December 2018, Sofia, Bulgaria)



2019

- March 2019 (SECN presentation to Estonian construction delegation in Sonderborg)
- March 2019 (SECN-DK, Skive, Denmark)
- May 2019 (SECN-EE, Tartu, Estonia)
- May 2019, SECN-BG (General Assembly of Association of Rhodope Municipalities, ARM, 25 June 2019, Smolyan, Bulgaria);
- June 2019 (SECN meeting in Cagliari, Italy)
- June 2019 (SECN presentation at Sustainable Places conference in Cagliari, Italy)
- October 2019 (SECN-EE, Valga, Estonia)
- October 2019 (SECN-DK, Sonderborg, Denmark)
- October 2019 (SEC/SECN presentation at 100% Climate Neutrality Conference in Sonderborg, Denmark)
- December 2019 (SECN-DK, Frederikshavn, Denmark)
- December 2019 (SECN-IT, Bolsano, Italy)



2020

- January 2020 (SECN-DK, Horsens, Denmark)

4.8 Participants/people reached until M48

According to the GA (task8.1, activity #6), (as also mentioned above):

“A series of local level stakeholder capacity building workshops (10) for aligning local conditions to methodologies to guide the evolution towards 100% RES Smart City and Smart community. The aim is to involve 400-500 participants with these workshops around Europe..”

Until M48, numerous SECN related events, workshops and meetings have been accomplished. There have been 5 EU wide SECN meetings in:

- Tartu, June 2016 – reaching about 30 participants
- Lecce, February 2017 – reaching about 100 participants
- Sonderborg, October 2017 – reaching about 100 participants
- Asenovgrad, March 2018 – reaching about 40 participants
- Cagliari, June 2018 – reaching about 40 participants



Along with the EU wide SECN meeting, there have been around 20 national based SECN meetings in Denmark, Estonia, Italy and Bulgaria collectively. Each one of them consisting of more or less the same participants (from the same member cities) which account for about 10-15 people per country totalling in about 40-60 participants.

The first series of webinars launched December 2016 and ended June 2017 accounted for a total of 124 participants.

The SECN platform accounted for 2 930 participants until M48.

The SECN Bulletin reached at least 163 people, which have confirmed that further distribute it to their channels and networks.

Collectively all of these events, workshops, seminars, knowledge transferring activities have reached much more than the mentioned “*400-500 participants*” or in another words said: participant-audience of the SECN activities, outcomes, solutions, methodologies, etc.

The participant/people that have attended these activities vary from students, scientists, industry, city , consultants and others.



5 Scope of work in the next 12 months

5.1 Getting to the 15 IEP replication cities

One main aim of the SmartEnCity network activities is to create a community of like-minded cities to steer towards systemic energy transition and support more wide scale and successful replication of project results. As can be seen a lot of steps have been already taken and several local level meetings also held. Another ambitious goal has been to reach through these activities a minimum of “15 new Smart City Integrated Energy Plan or Smart Community Strategy development processes within the Smart Cities Network by the end of the project”.

The project cannot provide any direct funding to municipalities outside the SmartEnCity consortium and the only means for achieving the goal is through successful networking and overall dissemination activities. However, the WP8 working group has also thought of further steps to support and assess the emergence of new integrated planning processes in cities and municipalities who have received beneficial information from the network.

The WP8 working group dedicated a special attention for finding means to supporting these processes. Even though the task group still needs to fix the assessment method for this goal, the following principles will be kept in mind which are based on the 5 step SmartEnCity Network strategy model also shown in section 3.2.

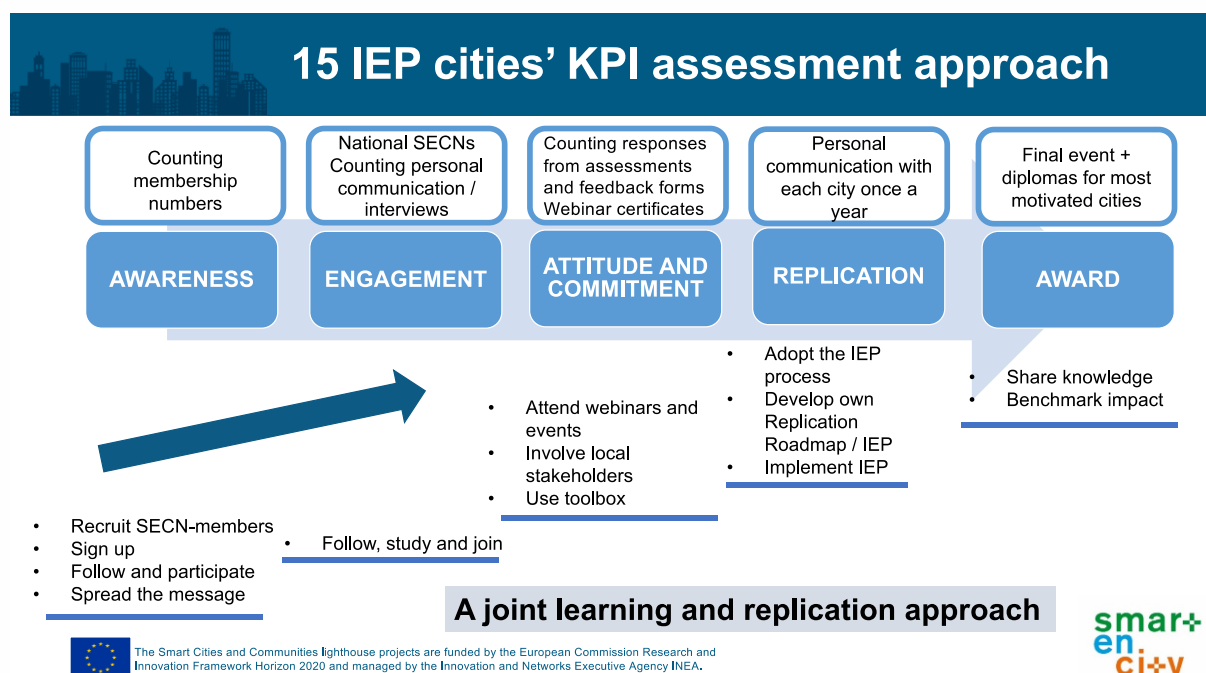


Figure 23 Strategy approach on how to reach 15 IEP replication cities

One of the main and critical barriers for initiating smart city solutions is financing (https://www.triangulum-project.eu/wp-content/uploads/2019/10/JointPolicyPaper_GrowSmarter-Remourban-an-Triangulum.pdf) and this is also the case for Integrated Energy Planning which is a new concept for still many municipalities in Europe. Therefore, the SECN activities are already successful in case there is a number of cities who are part of it and get access to valuable information and training

materials about the process. One of the main KPI-s for SmartEnCity activity assessment is the **number of network cities** as well as number of regular participants in the local networks. In fact, **local networks** are the strongest and most robust measure to move towards IEPs in the member cities. This is a part of the “AWARENESS” and “ENGAGEMENT” steps from the figure above. The aim is after establishing the five national based SECNS to get at least three cities from each national SECN to step into the IEP process, however, this does not exclude other cities from other countries.

As part of “ATTITUDE AND COMMITMENT” step, we will be assessing cities on the basis of participation to webinars, the City Check-up Assessment and feedback from it. In 2020, webinar training series will be launched - “SmartEnCity Academy for Zero Carbon Transition”, an online training course for cities/municipalities and Smart Urban Transition Making. Cities, who take part in most of the sessions will receive a certificate which also serves as a KPI towards the 15 cities goal. Webinars can be followed also based on their recordings. The project team will establish a short test for the cities in that case and based on the test results cities can have a possibility to receive a certificate. City Check-up Assessment tool was created to serve as an assessment method for understanding where cities are asked strategic questions related to the IEP concept which will then show where are they in the IEP methodological steps and what can they do to continue or start their IEP development. Cities answering the survey can also receive a feedback about their situation from the project experts and a special feedback form is under establishment by the team at the moment. Assessment is open for network cities at any time and the project team is regularly making summaries about the results and giving feedback. At the end this serves as a basis for assessing the potential replication of the Cities4Zero strategy by the number of network cities.

As part of the “REPLICATION” step, we stay in close contact with the Network members using the SECN Platform, SECN Bulletin, City Check-up assessment and feedback, Webinars, etc. Each year until the end of the project we will ask about their intention to start Integrated Energy Planning in their cities. We will ask the cities to sign a **Letter of Intent** towards the goal at the end of the SEC project. The result indicates the achievement towards the 15 cities goal.

The final Network meeting, also a part of the “AWARD” step will be dedicated for reviewing the planning processes of network cities. The number of presenters/participants serves as a KPI towards the goal.

5.2 Launching second series of webinars

In 2020, a second series of SmartEnCity webinars will be launched, named “The SmartEnCity Academy for Zero Carbon Transition” – An Online Training Course for Cities and Smart Decision Making”. This Academy will be a series of four online training courses to enable participants to learn from the experiences of the SmartEnCity project partners and cities as well as selected external professionals from the field. With this course, mainly organised by WP9 but in close cooperation and with strong support from WP8, the SmartEnCity project partners will train its participants to become a smart city specialist themselves. Participants that successfully attend all four lessons of the online training course will therefore receive a SmartEnCity certificate.



The aim of this online training course is to follow the steps of the “Cities4ZERO Urban Transformation Strategy for Cities’ Decarbonisation”, a methodology developed as part of the SmartEnCity project. It is designed to help cities to reach their own goals of decarbonisation.

In interactive sessions with hands-on examples, SmartEnCity will take its participants by the hand and explain the methodology step by step, thus encouraging them to start their own smart zero carbon transition. Moreover, specially invited guest speakers from the Smart City community will bring in additional expertise.

An overview of all four lessons, including speakers, topics, etc. can be found at the SmartEnCity website: https://smartencity.eu/news/detail/?rx_call=235

In order to keep track of potential participants, SEZ keeps a list of interested stakeholders that are specifically informed via email about any upcoming changes, specific dates etc.



6 Deviations to the plan

The task 8.1 management group decided to start the task earlier than scheduled, in order to be ready with a Network strategy and value proposition at the Tartu Network launch meeting 1. June 2016.

The management group have stuck to an ambitious plan and implemented everything that was foreseen and consider the outcome in sync with the expectations for M48.



7 Outputs for other WPs

Task 8.1 activities and Deliverable 8.3 are in very close symbioses with task 8.2 Replication Toolbox. The D8.2 Report and toolbox together with the content clarification of the IUP provide important approaches for refining the SECN strategy and value proposition.

In June 2019, the SECN city members/participants (as part of the Cagliari workshop) also participated in the evaluation and testing of the exploitable solutions and provided an important exchange of knowledge, feedback (T9.4 Knowledge Transfer Events) and input / verification for (T9.3 Business cases and Business models) WP9.

The feedback and learnings from the SECN city-members will provide necessary input for further developments of task 8.1 SECN-activities, for task 8.4 and for WP9 deliverables.

8 Annex

Annex 1 List of the SmartEnCity Network members, M48 – listed by date of SECN-participation

City name	Country	Contact person
Sonderborg	Denmark	xxx, ProjectZero Director
Vitoria- Gasteiz	Spain	xxx, Head of Information and innovation for Sustainability
Tartu	Estonia	xxx, SmartEnCity coordinator
Asenovgrad	Bulgaria	xxx, Head of Planning of investment activities, development of programs and projects
Lecce	Italy	xxx
Peja	Kosovo	xxx, Chief of Mayors Cabinet
Greifswald	Germany	xxx, Climate Protection Officer
Lviv	Ukraine	xxx, IT-department, Lviv City council
Tirana	Albania	xxx, director of sustainability department, Tirana Municipality
Veszprem	Hungary	xxx, Strategic manager
Jogeva	Estonia	xxx, Specialist of development issues
Valencia	Spain	xxx, Energi Innovation Officer
Skive	Denmark	xxx, Plan & support manager
Aalborg	Denmark	xxx
Frederikshavn	Denmark	xxx
Dubrovnik	Croatia	xxx, Head of DURA agency
Aversa	Italy	xxx, Energy, environment & smart eldeman
Benevento	Italy	xxx
Martigny	Switzerland	xxx
Ringkobing- Skjern	Denmark	xxx
Horsens	Denmark	xxx



Odense	Denmark	xxx, Environmental inspector
Sofia	Bulgaria	xxx, Urban planning expert
Split	Croatia	xxx, Assistant to head, Department of Economy
Hoje-Taastrup	Denmark	xxx, Climate consultant
Voru	Estonia	xxx, Architect
Middelfart	Denmark	xxx
Odessa	Ukraine	xxx, Investment Manager, Odessa Municipal Energy Agency
Burgas	Bulgaria	xxx, Chief expert
Smolyan	Bulgaria	xxx, Director IPPPA
Tivoli	Italy	xxx, Energy Manager, Tivoli Smart City
Cagliari	Italy	xxx, Energy Manager
Rome	Italy	xxx, Project manager
Padua	Italy	xxx
Ærø	Denmark	xxx, Communications officer, RE
Vitebsk	Belarus	xxx, Chairwomen Cultural educational establishment "Center of urban projects and initiatives "Prastora"
Elva	Estonia	xxx, Head of development and planning department
Tallinn (Tallinn energy agency)	Estonia	xxx, Head of agency
Pervomaisk	Ukraine	xxx, Mayor
Vratsa	Bulgaria	xxx
Parvomay	Bulgaria	xxx
Laki	Bulgaria	xxx, Mayor
Milton Keynes	England	xxx, project manager
Genova	Italy	xxx, Funzionario tecnico
Viimsi	Estonia	xxx, Head of Development Department



Tehran Municipality ICT Organization	Iran	xxx, International Advisor to CEO
Valga	Estonia	xxx, Head of Communications
Palma Campania	Italy	xxx, SEAP Coordinator
Pesaro	Italy	xxx, Project Manager at Public Works Department
Chortkiv	Ukraine	xxx, Head of municipal development department
Gabrovo	Bulgaria	xxx, Chief expert
Saaremaa	Estonia	xxx, Development specialist

Annex 2 Agenda for SECN meeting in Asenovgrad, Bulgaria

SEC Network Meeting



Final Agenda

09:00 - 09:10	Welcome with workshop purpose and introduction to who is in the room
09:10 - 09:20	Introduction to SmartEnCity project <i>Francisco Rodríguez Perez-Curiel, Tecnalia</i>
09:30 – 10:45	Smart Cities in the Bulgarian context Current focus, challenges and barriers, <i>moderated by Ivanka Pandelieva-Dimova, SEC</i> <ul style="list-style-type: none"> • Municipality of Asenovgrad by Georgi Angelov, Head of Department • Capital of Sofia by ... • Municipality of Bourgas by Daniela Aleksieva, Project Manager, Sharing Cities Project • Municipality of Varna by Bistra Dimova, Head of Department
10:45 - 11:15	Coffee break and networking
11:15 – 12:15	Smart Cities and SEAP Cities - workshop discussion Each SEAP city introduce themselves by <i>2-3- min introduction</i> , attended by: Victoria Gasteiz (ES), Tartu (EE), Sonderborg (DK), Sofia (BG), Varna (BG), Burgas (BG), Asenovgrad (BG), Smolyan (BG), Association of Rhodospe Municipalities (BG), <i>- Moderated by Peter Rathje, ProjectZero/SECN & Ivanka Pandelieva-Dimova, SEC</i>
12:15 – 13:10	Lunch & networking
13:15 – 15:15	How does the SEC S-IUP improve stakeholder value to urban transition? <i>Moderated by Koldo Urrutia, Tecnalia, and Simon Stendorf Sørensen, ProjectZero</i> <ul style="list-style-type: none"> - Short recap of IUP history in Bulgaria - <i>Ivanka Pandelieva-Dimova, SEC</i> - Presentation of S-IUP concept - <i>Koldo Urrutia</i> - Presentation of the lighthouse Sonderborg S-IUP perspective - <i>Simon Stendorf Sørensen, PlanEnergy</i> - Workshop and discussions moderated by <i>Koldo & Simon</i> - Conclusions and S-IUP recommendations to SmartEnCity
15:30 – 18:30	Guided energy study tour: <ol style="list-style-type: none"> 1) Asenitsa hydro power plant (approx. 1 hour incl. travel) ; 2) Municipal Waste Water Treatment plant with installation for sewer heat utilisation for space heating (1 hour incl. travel); 3) Energy retrofitting of private multi-family residential buildings (approx 1 hour incl travel).
18.30	Reflection of the day - a drink in the bar & networking



SmartEnCity - GA No. 691883



Annex 3 Agenda for SECN meeting in Cagliari, Italy

Address: UniCa, via Marengo 2, Cagliari, Italy

Wednesday, 5 June 2019 SmartEnCity Network Workshop Day		
08:45 - 09:00	Registration	
09:00 - 09:10	Welcome	Peter Rathje , ProjectZero
09:10 - 09:20	SmartEnCity Introduction to the project	Francisco Rodriguez , Tecnalia
09:20 - 09:40	How to become a Smart Zero Carbon City? Energy transition of EU Cities in the context of SmartEnCity using a step-by-step Integrated Energy Planning approach	Koldo Urrutia , Tecnalia
09:40 - 10:00	Smart Zero Carbon City Transition – How to get started? Creating Integrated Energy Plans - an effective city roadmap for energy-related initiatives <ul style="list-style-type: none"> • Where is my city in this process? - SmartEnCity assessment tool 	Simon Stendorf Sorensen , PlanEnergi
10:00 - 10:10	BREAK	
10:10 - 10:40	SmartEnCity Lighthouse Projects – City cases using Integrated Energy Plans in their Smart Zero Carbon Transitions <ul style="list-style-type: none"> • Tartu, Estonia • Sonderborg, Denmark 	Tartu: Martin Kikas , Tartu Regional Energy Agency Sonderborg: Peter Rathje , ProjectZero
10:40 - 11:40	Roundtable discussions – Using the Integrated Energy Planning method and the SmartEnCity Lighthouse Projects' results as a baseline of your city transition	Moderator: Per Alex Sorensen , PlanEnergi
11:40 - 12:50	Knowledge transfer – SmartEnCity results ready to be applied <ul style="list-style-type: none"> • Integrated Energy Planning Consultancy <ul style="list-style-type: none"> ◦ Interactive discussion • City Information Open Platform <ul style="list-style-type: none"> ◦ Interactive discussion 	Dr. Dilay Kesten-Erhart , Steinbeis-Europa Zentrum
12:50 - 13:00	Summary & Closing	Peter Rathje , ProjectZero
13:00 - 14:00	LUNCH	
From 14:00	Sustainable Places Conference	

Annex 4 City Check-up Assessment

21/12/2019

City Check-up Assessment

City Check-up Assessment

Please take a few minutes to fill out our survey.

Your feedback is really important as it can improve our Integrated Energy Planning concept and you can find inspiration for creative new ideas including feedback from our SmartEnCity experts. The form should take no longer than 10 minutes to complete! Thank you in advance for your collaboration. We really appreciate your time!

SmartEnCity Team

*Required



Skip to question 1.

Engage

This section delves on governance of energy & decarbonization topic in your municipality

1. Does your city have a coordination group dealing with the energy & decarbonization topic? *

Mark only one oval.

- ☐ Yes
- ☐ No

2. Who are the key stakeholders of this group? *

Tick all that apply.

- ☐ Local Authority
- ☐ Politicians
- ☐ Technicians
- ☐ Industry
- ☐ Academia
- ☐ Citizenship
- ☐ NGOs
- ☐ Financial Institutions
- ☐ Not applicable

3. Is this core group constant over time or temporary? *

Tick all that apply.

- ☐ Constant
- ☐ Temporary
- ☐ Not applicable

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1/7



21/12/2019

City Check-up Assessment

4. What is this group focussing on? **Tick all that apply.*

- ☐ Built Environment
- ☐ Mobility
- ☐ Energy Supply (Heating and Cooling)
- ☐ Energy Supply (Electricity)
- ☐ Citizen Engagement
- ☐ ICT
- ☐ Waste
- ☐ Not applicable
- ☐ Other: _____

5. Please give a general description of how the group is financed **Tick all that apply.*

- ☐ Fully financed by municipality
- ☐ National/ Regional funding
- ☐ EU funding
- ☐ Public-private
- ☐ Not applicable
- ☐ Other: _____

Analyse and Diagnose

This section delves on city analyses, diagnoses, baseline studies, etc. performed in your city within the energy & decarbonization topic

6. Have you done a city analysis and diagnosis in connection with the energy & decarbonization topic? **Mark only one oval.*

- ☐ Yes
- ☐ No

7. If yes, when have you done this analysis and diagnosis?*Mark only one oval.*

- ☐ Before 2010
- ☐ 2010 - 2015
- ☐ 2015 - 2018
- ☐ 2019



21/12/2019

City Check-up Assessment

8. What kind of data did you use to perform this analysis and diagnosis? **Tick all that apply.*

	Reports	Indicators/ KPIs	Georeferenced (GIS)	Other	Not relevant	Metered data
Socio-economic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Business and financial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urban environment and quality of life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sectorial strategies: energy, built environment, mobility, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing policies, and regulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. If you have used other kind of data, please specify

10. Which city sectors did you include in the analysis and diagnosis? **Tick all that apply.*

- ☐ Urban Planning
☐ Energy
☐ Mobility
☐ Built Environment
☐ Green Infrastructures
☐ Citizen Engagement
☐ Not relevant
☐ Other: _____

11. Which methods did you use to perform a city diagnosis? **Tick all that apply.*

- ☐ SWOT
☐ Delphi
☐ Brainstorm
☐ Not Relevant
☐ Other: _____

Envision

This section delves on the procedures to develop a city vision towards decarbonization

12. Do you have a long-term vision in the energy & decarbonization topic? **Mark only one oval.*

- ☐ Yes
☐ We are currently developing one
☐ No, but we are considering so
☐ No

21/12/2019

City Check-up Assessment

13. Have you generated potential energy & decarbonization city scenarios? **Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Don't know

14. If the answer was yes, how do you use them further in your process?

15. Is the development of a vision a participatory process? **Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Partly
- ☐ Not applicable

16. What kind of stakeholders are involved? **Tick all that apply.*

- ☐ Politicians
- ☐ Public administration technicians
- ☐ Industrial partners
- ☐ Experts/ researchers
- ☐ NGOs
- ☐ Citizens
- ☐ Other: _____

17. Do you set working groups on the main topics within your energy & decarbonization scenarios processes? **Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Partly

18. Do you collaborate with other cities regarding energy & decarbonization ambitions? **Mark only one oval.*

- ☐ Yes, on a national level
- ☐ Yes, on an international level
- ☐ No

19. Do you belong to a cities' network on the topic with knowledge-sharing purposes? **Tick all that apply.*

- ☐ Yes, to a national network
- ☐ Yes, to an international network
- ☐ No

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21/12/2019

City Check-up Assessment

Plan (City Level)

This section delves on the decarbonization plan, as a structuring and guiding document towards city decarbonization

20. Does your city have a strategic plan on energy & decarbonization topic? *

Mark only one oval.

- ☐ Yes
- ☐ We are currently developing one
- ☐ No, but we are considering so
- ☐ No

21. Are there allocated resources for the actions identified in that plan? *

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Partly

22. Does your plan include tangible targets? (e.g.: m², %, CO₂, KPIs, deadlines?) *

Tick all that apply.

- ☐ 1 (not tangible at all)
- ☐ 2 (rather not tangible)
- ☐ 3 (more or less tangible)
- ☐ 4 (rather tangible)
- ☐ 5 (tangible)

23. Are your tangible targets connected to your city vision? *

Mark only one oval.

- ☐ Yes
- ☐ No

Integrate

This last section delves on the integration of the outcomes of the decarbonization plan into Municipal Planning

24. Is there a procedure to integrate the outcomes of your energy & decarbonization plan into Municipal Planning? *

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Somewhat



21/12/2019

City Check-up Assessment

25. If yes, how do you integrate those outcomes? (land-use, legal viability, municipal competences, acknowledgement by other municipal departments, etc.)

26. Who is in charge of integrating the energy & decarbonisation plan into the Municipal Planning?

27. What are the biggest challenges or barriers for the municipality in developing and/or implementing the energy and decarbonisation plan? (e.g. the lack of quantified objectives, or clear adaptation policy goals and targets at a national or local level; fragmented, limited or non-existent adaptation actions; the lack of a proper assessment of the resources and capacity needed to deliver adaptation at the local level.)

Inspiration

Where did you get your inspiration....

28. Have you received inspiration for your city energy plans and/or actions from the following sources?

Tick all that apply.

- ☐ SmartEnCity.eu <<http://SmartEnCity.eu>> website
- ☐ Smartencitynetwork.eu <<http://smartencitynetwork.eu>> website
- ☐ SmartEnCity project workshops
- ☐ Other: _____

Contact information

29. Name *

30. Type of your Organisation you are working for

Mark only one oval.

- ☐ Municipality
- ☐ Company
- ☐ University / Research Organisation
- ☐ Other: _____

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6/7



21/12/2019

City Check-up Assessment

31. Name of your Organisation *

32. What is your current job title/position?
(*Please specify if you are working in a
municipality and/or local government)

33. Email address *

34. Would you like to receive feedback based on your answers from the SmartEnCity project
experts? *

Mark only one oval.

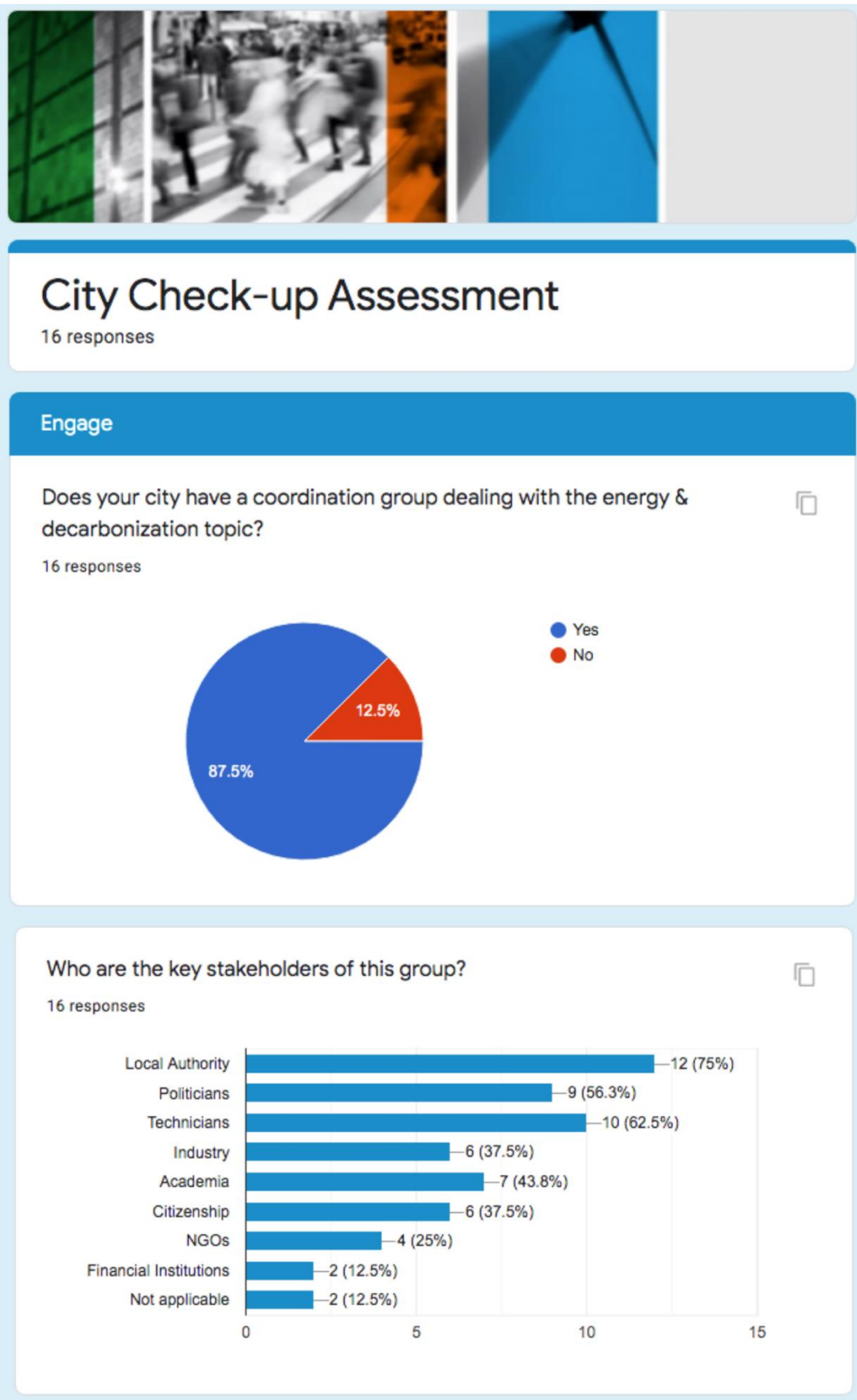
☐ Yes

☐ No

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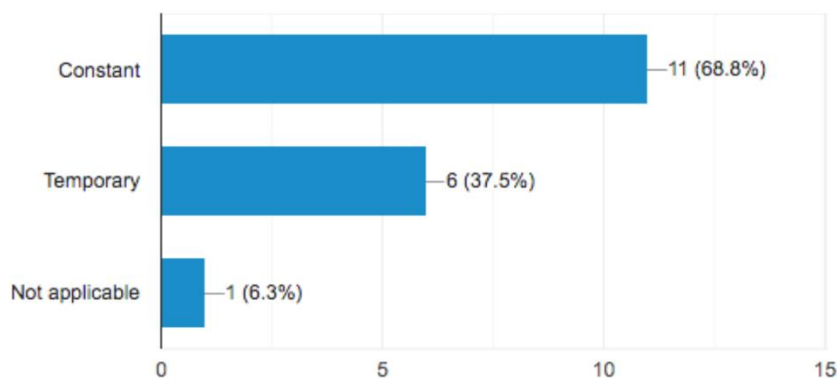
Annex 5 Responses from the City Check-up Assessment as of M48



Is this core group constant over time or temporary?



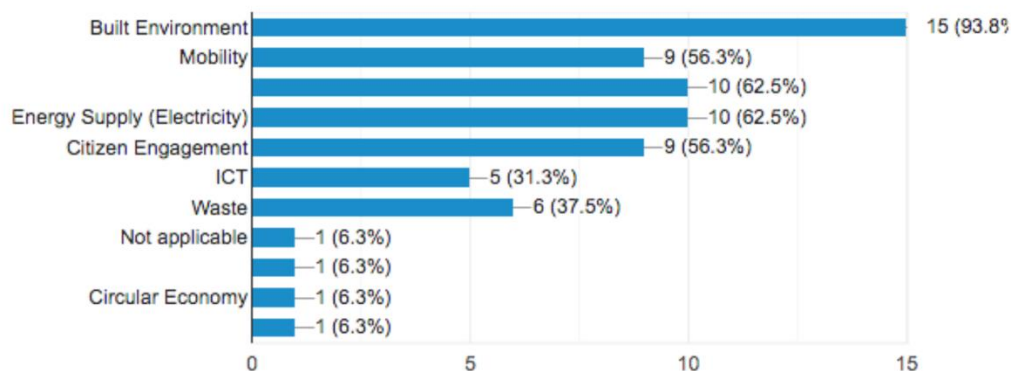
16 responses



What is this group focussing on?



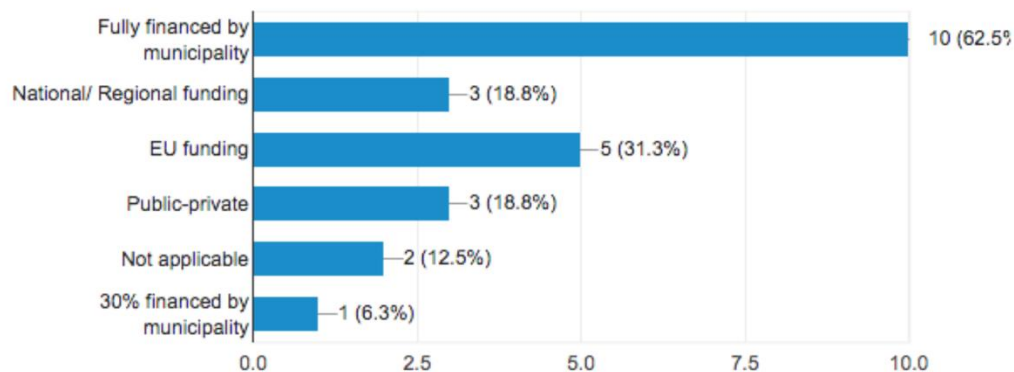
16 responses



Please give a general description of how the group is financed



16 responses



Analyse and Diagnose

Have you done a city analysis and diagnosis in connection with the energy & decarbonization topic?



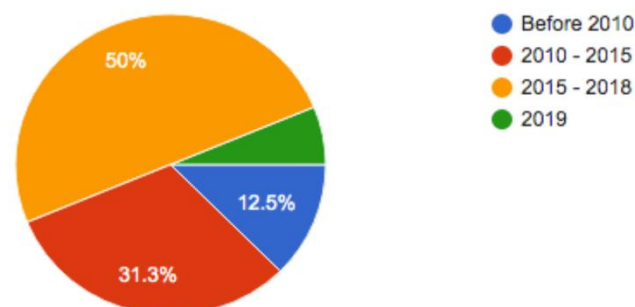
16 responses



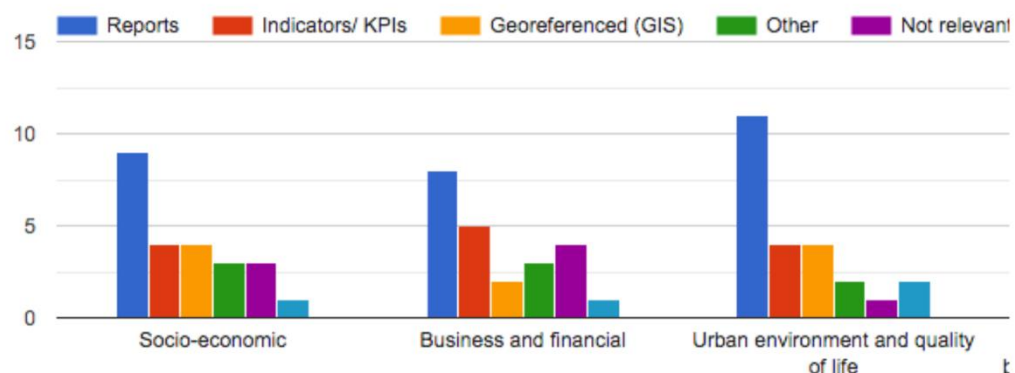
If yes, when have you done this analysis and diagnosis?



16 responses



What kind of data did you use to perform this analysis and diagnosis?



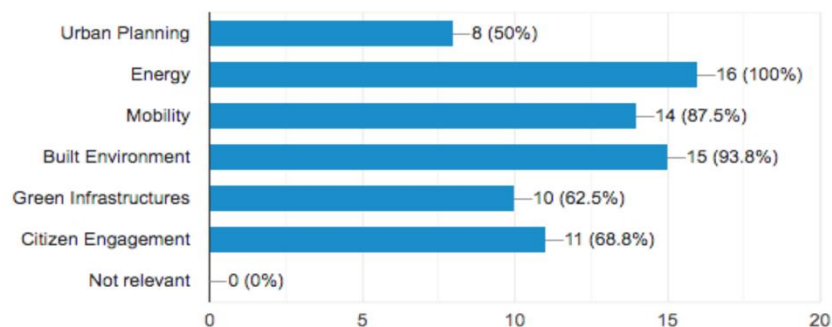
If you have used other kind of data, please specify

0 responses

No responses yet for this question.

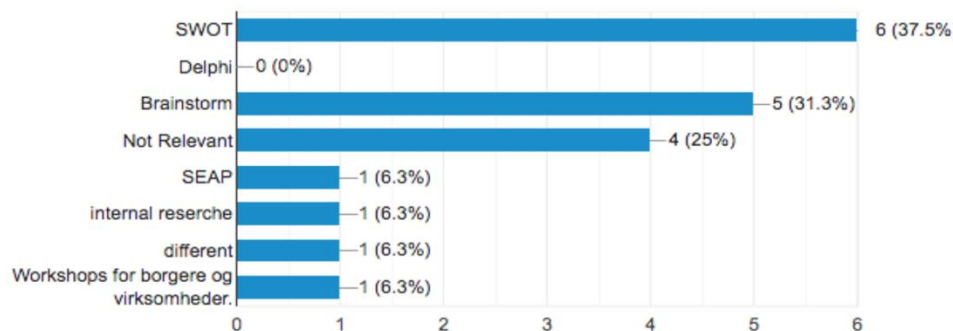
Which city sectors did you include in the analysis and diagnosis?

16 responses



Which methods did you use to perform a city diagnosis?

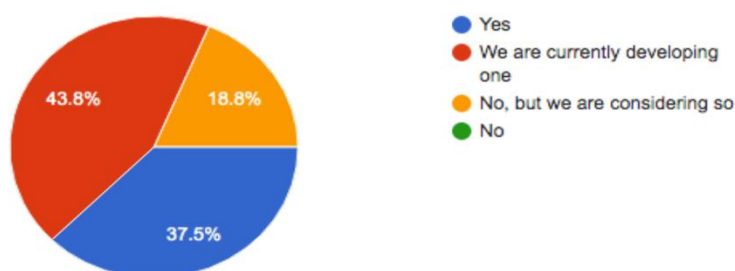
16 responses



Envision

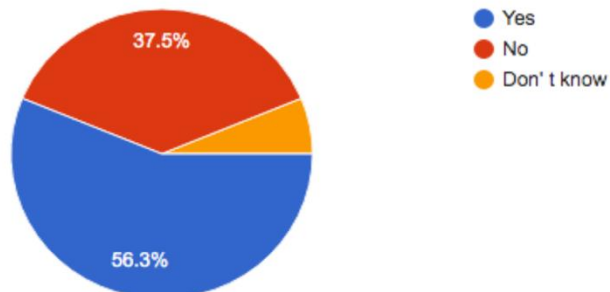
Do you have a long-term vision in the energy & decarbonization topic?

16 responses



Have you generated potential energy & decarbonization city scenarios?

16 responses



If the answer was yes, how do you use them further in your process?

6 responses

they were integrated in our strategy development and also used for testing the final strategy

To choose the most preferred one for the city planning

developing a Secap

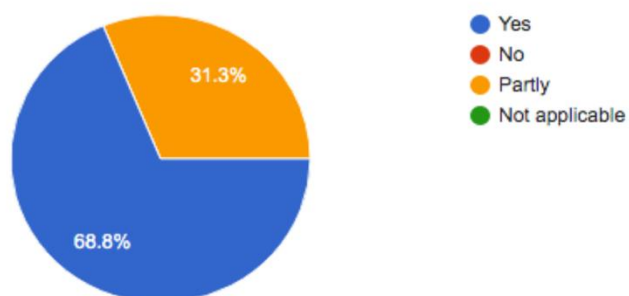
Energistyrelsen scenarier var til stor inspiration for flere år siden. I RSKS gik vi efter vindscenariet i kombination med andre energiformer som bioenergi og sol. Lokalt er der også via Energiregnskabet også mulighed for at indtaste værdi til fremskrivning af scenarier.

Der er udarbejdet en strategi med udviklingsspor og handlinger

For implementing the integrated energy plan

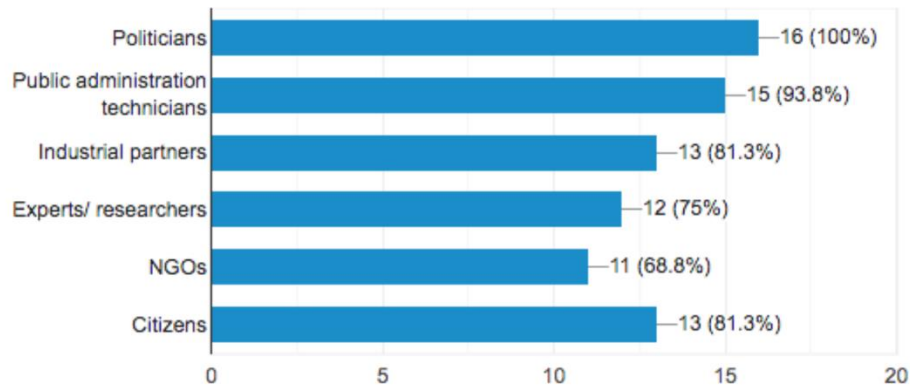
Is the development of a vision a participatory process?

16 responses



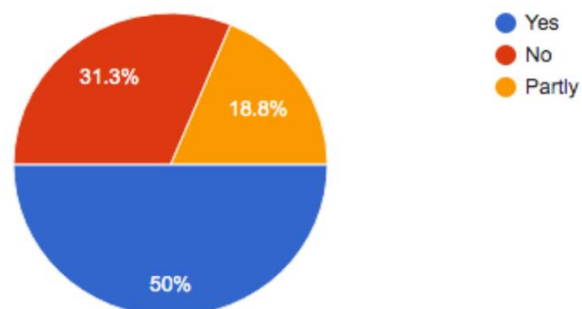
What kind of stakeholders are involved?

16 responses



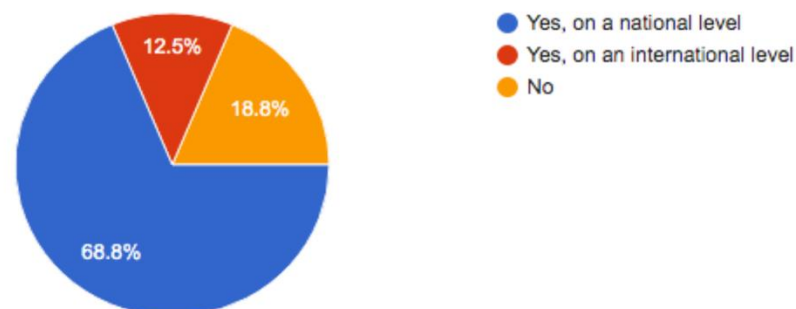
Do you set working groups on the main topics within your energy & decarbonization scenarios processes?

16 responses



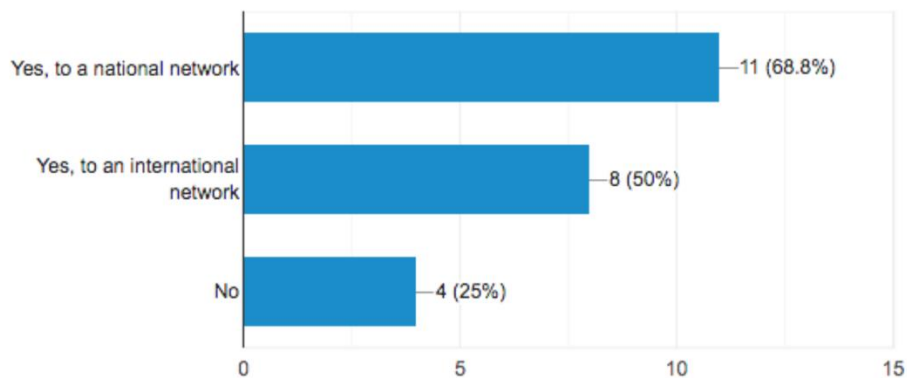
Do you collaborate with other cities regarding energy & decarbonization ambitions?

16 responses



Do you belong to a cities' network on the topic with knowledge-sharing purposes?

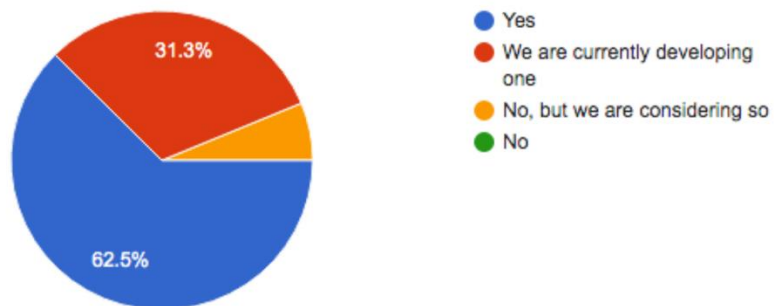
16 responses



Plan (City Level)

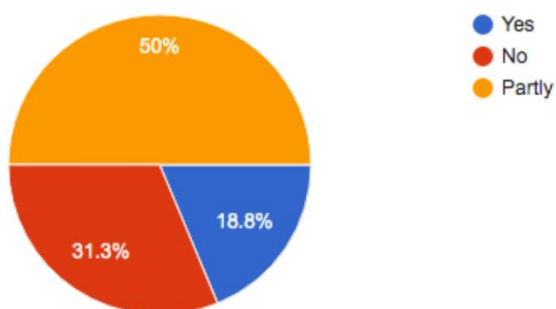
Does your city have a strategic plan on energy & decarbonization topic?

16 responses



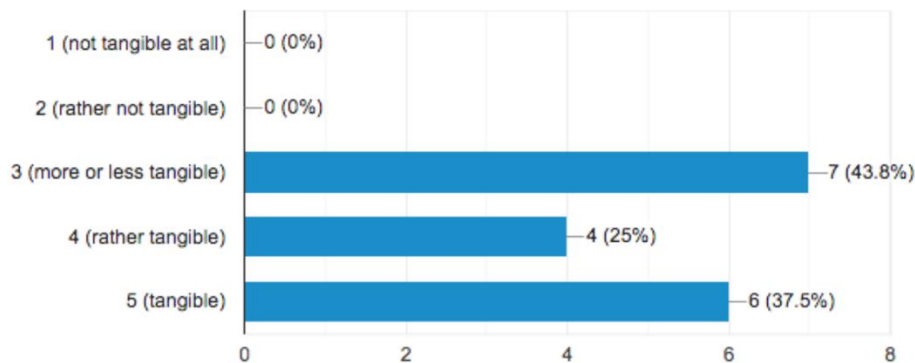
Are there allocated resources for the actions identified in that plan?

16 responses



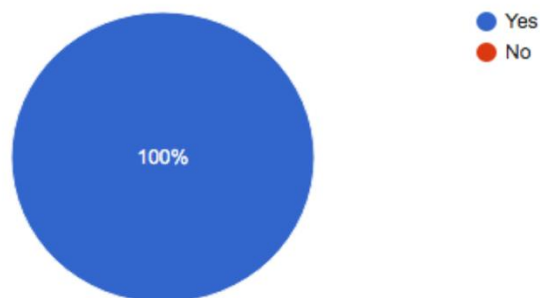
Does your plan include tangible targets? (e.g.: m², %, CO₂, KPIs, deadlines?)

16 responses



Are your tangible targets connected to your city vision?

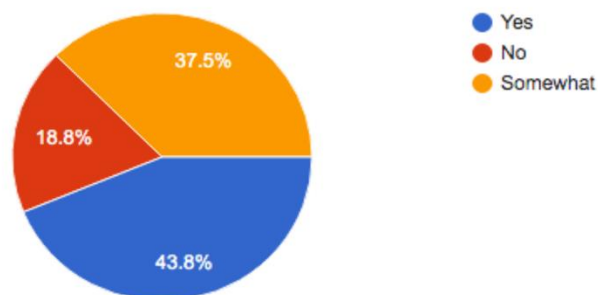
16 responses



Integrate

Is there a procedure to integrate the outcomes of your energy & decarbonization plan into Municipal Planning?

16 responses



If yes, how do you integrate those outcomes? (land-use, legal viability, municipal competences, acknowledgement by other municipal departments, etc.)

5 responses

the energy plan feed the municipal urban strategic plan

Include in the Integrate Plan for Urban Development and Regeneration

acknowledgement by other municipal dept. training on specific outcomes

We are the municipality and act on behalf of the municipality

This procedure consists in using the output for developing the SECAP

Who is in charge of integrating the energy & decarbonisation plan into the Municipal Planning?

14 responses

At the moment nobody. I mean that the topics are developing by different departments.

the municipality in cooperation with ProjectZero

The economic and investment department

Territory and Climate Action Department

The Mayor, by now.

UCSA - Joint Office for Environmental Sustainability

Public works department

Mayor's Cabinet SECAP Office

Environment Department

What are the biggest challenges or barriers for the municipality in developing and/or implementing the energy and decarbonisation plan? (e.g. the lack of quantified objectives, or clear adaptation policy goals and targets at a national or local level; fragmented, limited or non-existent adaptation actions; the lack of a proper assessment of the resources and capacity needed to deliver adaptation at the local level.)

16 responses

raise the awareness of stakeholders and find funds to support energy and decarbonisation actions

solid data and recruiting the best people for the process

the lack of a proper assessment of the resources and capacity needed to deliver adaptation at the local level

Municipality is not owning production of energy

City Commitments towards SDGs and Human Scale City Model

Mostly we face the lack of governance of this implementation. It's difficult to connect all the parts of the Municipality to the decarbonisation goals of the plan. And we don't have a European standard plan (i.e. SEAP from the Covenant of Mayors project) yet.

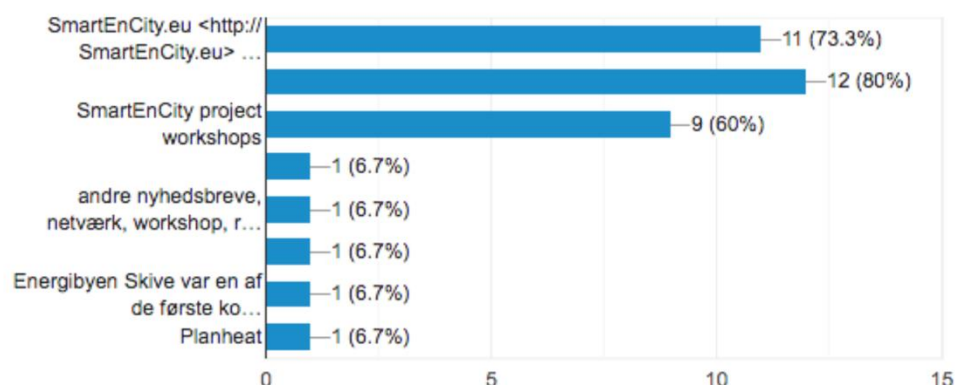
Our SEAP needs to be updated to include adaptation actions and, above all, needs to be integrated in the local strategic and urban planning instruments. Avellino also need to

Inspiration

Have you received inspiration for your city energy plans and/or actions from the following sources?

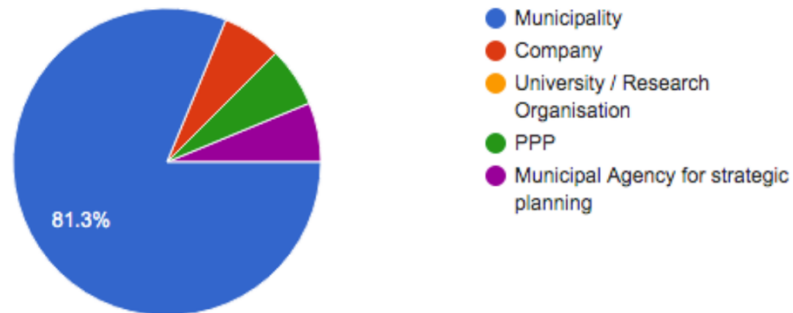


15 responses



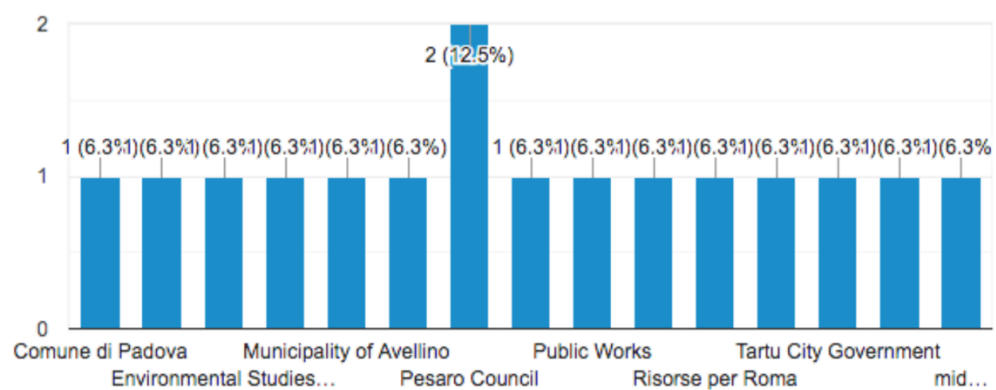
Type of your Organisation you are working for

16 responses



Name of your Organisation

16 responses



What is your current job title/position? (*Please specify if you are working in a municipality and/or local government)

16 responses

Sustainable energy manager at the Public Works Department

managing director

Project Manager

Project manager

Head of Unit

Director of ABIZ (public/private project platform of the Municipality in collaboration with University of Sannio and other two technical partners)

Designer in charge for the design of AIEA (local energy, climate and smart city agency) and for the design of the Circular Economy Hub.

Sustainable Energy and Mobility Co-ordinator

Would you like to receive feedback based on your answers from the SmartEnCity project experts?



16 responses

