



TOWARDS SMART ZERO CO<sub>2</sub> CITIES ACROSS EUROPE  
VITORIA-GASTEIZ + TARTU + SØNDERBORG

## Deliverable 8.8: Smart City Network Activities Report V4 WP8, Task 8.1

Date of document  
09/07/2021 (M66)

Deliverable Version:	D8.8, V1.0
Dissemination Level:	PU <sup>1</sup>
Author(s):	Kristina Bozhkova, Peter Rathje (ZERO)

---

<sup>1</sup> PU = Public



## Document History

Project Acronym	SmartEnCity		
Project Title	Towards Smart Zero CO2 Cities across Europe		
Project Coordinator	Francisco Rodriguez Tecnalia francisco.rodriguez@tecnalia.com		
Project Duration	1 <sup>st</sup> February 2016 - 31 <sup>st</sup> July 2022 (78 months)		
Deliverable No.	D8.8 Smart City Network Activities Report V4		
Diss. Level	Public		
Deliverable Lead	ZERO		
Status		Working	
	X	Verified by other WPs	
	X	Final version	
Due date of deliverable	31/07/2021		
Actual submission date	09/07/2021		
Work Package	WP 8 – Replication to Followers and Smart Cities Network		
WP Lead	IBS		
Contributing beneficiary(ies)	IBS, SEZ, SEC, TEC, RINA		
Date	Version	Person/Partner	Comments
18.06.2021	REV01	Kristina Bozhkova, ProjectZero	First draft of the deliverable
23.06.2021	REV01	Ivanka Pandelieva Dimova – Sofia Energy Center	SECN-BG updates
24.06.2021	REV 01	Bettina Remmele, Dilay Kesten Erhart, Heike Iffland – Steinbeis	D+C+E related updates
24.06.2021	REV 01	Michele DeSantis, RINA	SECN-IT updates
24.06.2021	REV01	Koldo Urrutia, Tecnalia	SECN-ES updates
24.06.2021	REV 01	Merit Tatar and Andra Somelar, Institute of Baltic Studies	SECN-EE updates
24.06.2021	REV 01	Peter Rathje, ProjectZero	SECN-DK updates
25.06.2021	REV 02	Kristina Bozhkova, ProjectZero	Second draft ready for final review
29.06.2021	REV 02	Ivanka Pandelieva Dimova – Sofia Energy Center	Overall review



01.07.2021	REV 02	Michele DeSantis, RINA	Overall review
05.07.2021	REV 02	Merit Tatar, Institute of Baltic Studies	Overall review
06.07.2021	REV 03	Peter Rathje, ProjectZero	Overall review
09.07.2021	REV 04	Kristina Bozhkova, ProjectZero	Final report ready
09.07.2021	V1.0	Francisco Rodriguez, Silvia Urra, Tecnalia	Submitted

## Copyright notice

© 2016-2021 SmartEnCity Consortium Partners. All rights reserved. All contents are reserved by default and may not be disclosed to third parties without the written consent of the SmartEnCity partners, except as mandated by the European Commission contract, for reviewing and dissemination purposes.

All trademarks and other rights on third party products mentioned in this document are acknowledged and owned by the respective holders. The information contained in this document represents the views of SmartEnCity members as of the date they are published. The SmartEnCity consortium does not guarantee that any information contained herein is error-free, or up to date, nor makes warranties, express, implied, or statutory, by publishing this document.

## Table of content:

0	Publishable Summary .....	7
1	Introduction .....	8
1.1	Purpose and target group.....	8
1.2	Contributions of partners .....	8
1.3	Relation to other activities in the project .....	9
2	Objectives and expected Impact.....	10
2.1	Objective .....	10
2.2	Expected Impact .....	10
3	Overall Approach.....	11
3.1	Development of the value proposition .....	11
3.2	Development of the SmartEnCity Network strategy .....	12
3.3	Partners involved .....	14
4	Detailed description of the overall approach .....	16
4.1	SmartEnCity Network Bulletin .....	16
4.2	SmartEnCity Network (Website) Platform.....	23
4.3	SmartEnCity Network members .....	25
4.4	Organisation of SECN capacity building workshops .....	25
4.4.1	SmartEnCity Academy for Zero Carbon Transition .....	25
4.5	National SECN based capacity building workshops .....	27
4.5.1	SECN-DK.....	27
4.5.2	SECN-EE .....	29
4.5.3	SECN-ES .....	30
4.5.4	SECN-IT.....	31
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 M66.....	34
5	Scope of work in the next 12 months.....	36
5.1	Ramping up the 15 IEP cities' KPI assessment approach .....	36
5.2	Sonderborg Climate Neutrality Conference .....	36
5.3	Final joint SEC project / SECN event .....	36



6	Deviations to the plan.....	37
7	Outputs for other WPs.....	38
8	Annex.....	39

## Table of Tables:

Table 1: Abbreviations and Acronyms .....	6
Table 2: Contribution of partners.....	8
Table 3: Relation to other activities in the project .....	9
Table 4 SmartEnCity Network member target vs current status.....	12

## Table of Figures and Annexes:

Figure 1 SmartEnCity Network (M66).....	7
Figure 2 Five step model for SECN members .....	12
Figure 3 SECN Strategy approach on how to reach 15 IEP replication cities .....	13
Figure 4 SECN website platform, monthly audience activity between M48-M66 .....	23
Figure 5 Statistics, SECN Platform .....	23
Figure 6 Geographical coverage of the locations that the SECN Platform was accessed, M48-M66 .....	24
Figure 7 Acquisition overview of the SECN Platform, M48-M66 .....	24
Figure 8 SmartEnCity Network member growth progression between M24 and M66 ..	25
Figure 9 SECN-DK members .....	27
Figure 10 Online meetings of the Energibyerne.....	28
Figure 11 SECN-EE members.....	29
Figure 12 Estonian Smart Cities Club meeting and study visit in Elva, Estonia (March 2020).....	29
Figure 13 Estonian Smart Cities Club virtual meeting (June 2021) .....	30
Figure 14 SECN-IT members .....	31
Figure 15 SECN-BG members .....	31
 Annex 1 List of the SmartEnCity Network members, M66 – listed by date of SECN-participation.....	39
Annex 2 City Check-up Assessment.....	42
Annex 3 Responses from the City Check-up Assessment as of M66.....	49



## 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
Q	Quarter
M	Month
WP	Work package
ZERO	ProjectZero
TAR	Tartu municipality
LECC	Lecce municipality
IBS	Institute of Baltic Studies
SEZ	Steinbeiz
SEC (when talking about partners)	Sofia Energy Center
ASEN	Asenovgrad municipality
ACC	Acciona
AVG	Vitoria-Gasteiz municipality
PLAN	PlanEnergi
AAU	Aalborg University
TEC	Tecnalia
TREA	Tartu Regional Energy Agency

**Table 1: Abbreviations and Acronyms**



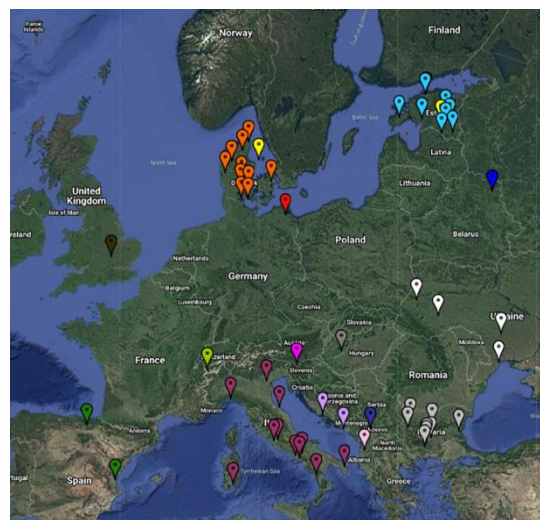
## 0 Publishable Summary

The SmartEnCity Network has successfully completed its initial 66 months. The main objectives between M48 and M66 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 regard to IEP and learnings from already established IEPs;
- scaling national based SECNs;
- improving communication with the SECN participant members.

Currently (as of M66), the SECN consists of 60 member cities (on target) from 18 different countries (see Figure 1).

The COVID-19 pandemic started affecting Europe in the beginning of this reporting period which is why many of the planned Network activities have been either held virtually, postponed or cancelled. Especially affected has been the development of the Spanish SECN which planned to deploy its activities in Q2-Q3 2020. Despite the pandemic, the successful implementation of the national SECNs is observed in the other four target countries (Denmark, Estonia, Italy and Bulgaria), with the national SECNs in Denmark and Estonia successfully running for over 3 and 2 years, respectively. Furthermore, the Danish SECN ([Energibyerne](#)), in the beginning of 2020 started developing project-oriented climate actions together and have as of M66 successfully submitted two project proposals for funding.



**Figure 1 SmartEnCity Network (M66)**

The [City Check-up Assessment](#) launched in the previous reporting period has reached 18 Network cities allowing them to assess where in the IEP process is their city. However, in total 21 responses were submitted which means that three cities had the need to repeat the assessment most likely due to changes of the municipal planning needs. All cities that have answered the assessment have the possibility to request a feedback based on their answers. The feedback was provided by SEC project experts.

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 derives 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 M48 and M66, several activities have been initiated to continue growing a robust SECN participation platform. This SmartEnCity Deliverable 8.8 Report\_V4 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 8.8 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 since the SEC project has been extended with additional 12 months, future plans for the SECN development will be described. The purpose of the deliverable 8.8 is to highlight specifically which joint initiatives/work have been done between M48 and M66 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 sections 1.3, 4.7 and 6.
SEC	Brief contribution to section 4.5, regarding Bulgarian-based SECN and section 4.7.
SEZ	Brief contribution in regard to Dissemination, Communication and Exploitation.
IBS	Overall content review, brief contribution regarding the Estonian-based SECN and section 1.3, 4.7 and 6.
RINA	Brief 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.
D8.6-10	IEPs from each of SEC cities will be used as inspiration material for the SECN cities and events.
D8.7	This deliverable also provides input for the D8.7 widening the scope of replication
D8.9	This deliverable provides input for Replication Toolkit.
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.

Planned activities for the latest 18 months (M48-M66) were heavily affected by the COVID-19 pandemic. The WP8 task force and all partners coordinating national based SECNs have been constantly adjusting to the various pandemic restrictions and have tried to find a way to continue activities as much as possible. The focus of the last year and half has been to continue the engagement of the SECN members, increase communication and keep their interest in the SEC project solutions and outcomes as high as possible.

### 2.2 Expected Impact

The expected impacts of task 8.1 between M48 and M66 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, SmartEnCity Academy webinars, 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 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***

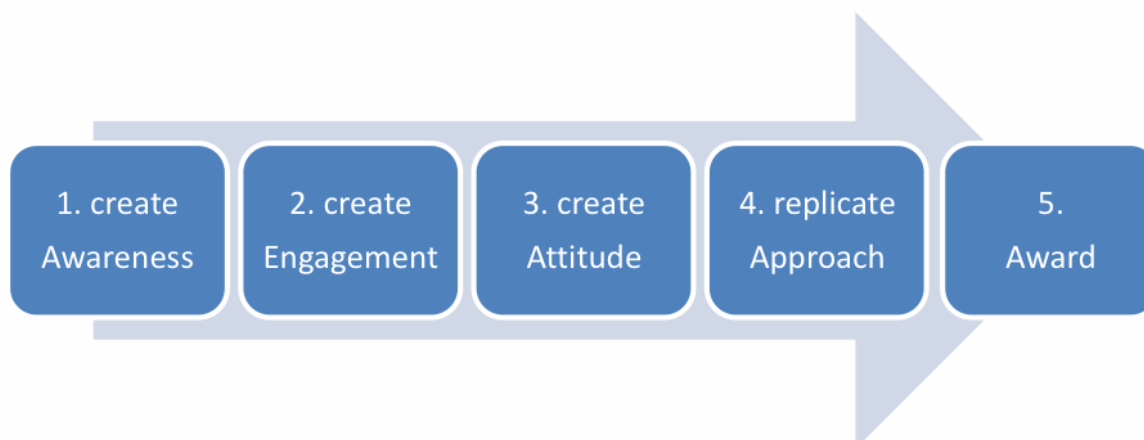
The SmartEnCity Network offers the following additional value to its network members:

- 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 8 weeks – 6 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
- Two series of webinars in the form of online training courses for cities
- 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 is based on the following 5-step approach:



**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.

D8.5 outlined the SmartEnCity Network Strategy 2.0 which was developed between M24-M48. The SECN 2.0 ambition is to continue scaling the deployment of IEP approaches and reach a minimum of 15 new cities that recognise the Smart City Integrated Energy Planning methodology as a suitable IEP approach 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. The ambition was to grow the SECN members from 28 (M24) to 60 cities until the end of the project (originally M66) which has already been achieved.

The target broken down to country level versus the current (M66) status is as follows:

Country	Target	Current status as of M66
Estonia	8 members	10 members
Denmark	8 members	10 members
Spain	8 members	2 members
Italy	8 members	13 members
Bulgaria	8 members	8 members
Other city participants from other countries	20 members	17 members
<b>In total</b>	<b>60 members</b>	<b>60 members</b>

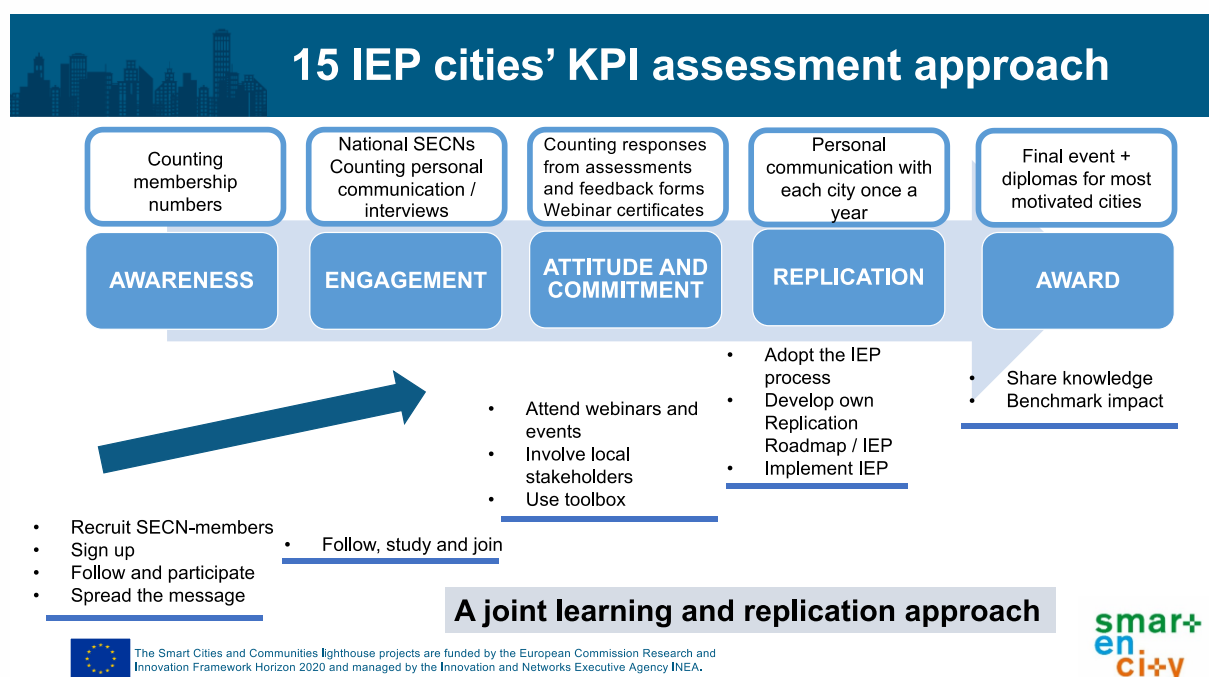
**Table 4 SmartEnCity Network member target vs current status**

As seen from the table, the overall goal of reaching 60 city members has been achieved, however, the division of members per country is different from the planned target. The



development of the Spanish national Network was hindered due to the political barriers Vitoria-Gasteiz had and in addition, COVID-19 pandemic which has significantly slowed down the planned activities. More about the Spanish network challenges is outlined in D8.5 and in section 4.5.3 below.

The SECN Strategy between M48 and M66 remained the same as described in the previous reporting period. Based on the 5-step approach, the following KPI assessment has been prepared by the WP8 working group and proposed at the end of M48 (described also in D8.5). The next paragraphs outline the updated version of this KPI based approach which will be taken into consideration until the end of the project:



**Figure 3 SECN Strategy approach on how to reach 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. 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.

One of the main and critical barriers for initiating smart city solutions is financing ([see here](#)) 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 were 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 received 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 established 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. All Network city members will be asked about their **intention to start Integrated Energy Planning** in their cities. This can be done in many ways i.e. via email correspondence, interviews, questionnaires, asking for letter of intent, etc. The result will indicate the achievement towards the 15 cities goal together with other relevant KPIs mentioned in the other steps.

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.

### 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 M48 and M66 all mentioned partners have been involved in meetings aiming at creating 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

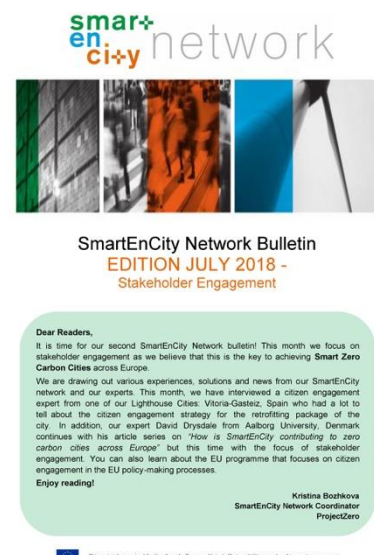
This chapter explains in detail the overall approach of including various activities, events, disseminations created from the last report made in M48 (January 2020) to M66 (July 2021).

### 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 M66 there have been 27 Network Bulletin published with more than 300 direct receivers, doubling the receivers at the end of M48. 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.

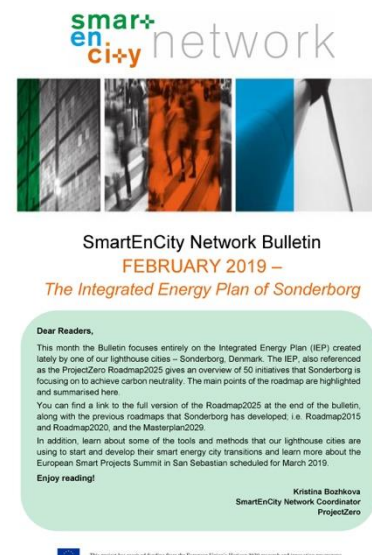
**Below, all editorials of the SmartEnCity Network Bulletins presenting the main content of each of the 27 Bulletins are presented:**

- 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 policymakers 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 CO<sub>2</sub> 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 5<sup>th</sup> 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 CO<sub>2</sub> 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 4<sup>th</sup> 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



The image shows a preview of the SmartEnCity Network Bulletin content. It includes several articles with headlines and brief descriptions:

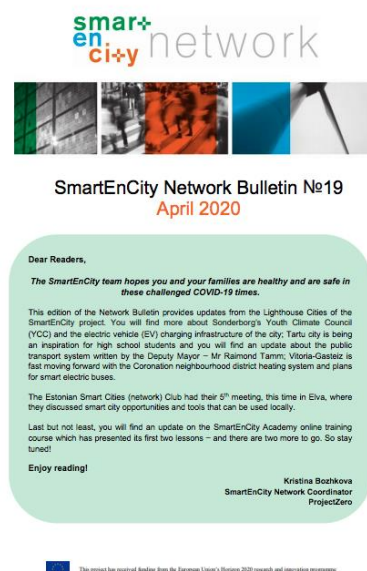
- Kickoff Roadmap 2025 in Sonderborg**: On Friday, 22 June 2018, the process for creating the ProjectZero Roadmap2025 for Sonderborg was launched. It happened with a big kick-off workshop attended by 76 local stakeholders. The participants represented different societal sectors, and more than 100 individuals of which the majority are local have been scheduled to be involved in the Roadmap2025 co-creation. [Read more.](#)
- SmartEnCity webinar**: This webinar discusses citizen engagement in both a generic and pragmatic way, introducing why and how citizen engagement is a cornerstone for cities that aim to create transition towards a low carbon economy as smart zero carbon cities. [Read more and watch the webinar.](#)
- SmartEnCity information day in Tartu**: Yet another information evening took place on May 21, 2018 for residents of the housing associations participating in the SmartEnCity project. Interested residents were invited to the city and calm backyard of the Trig-B building, located in the demo area of Tartu. This was the fifth in the series of demo area resident information days and nearly one hundred people participated in the event. [Read more.](#)
- Giving a voice to the citizens, Vitoria-Gasteiz**: The second video of Lighthouse City Vitoria-Gasteiz is focusing on citizens of demo district Coronación. People describe their relationship with the neighbourhood and explain why they have decided to becoming part of the project here. [See full video.](#)
- Join the SmartEnCity Network and start your learning experiences now!**: Stay in touch: Use the SmartEnCity Network platform to learn more about our network members, events and news feeds. Learn more about the SmartEnCity project on our website. Use @sbtc to stay informed about project news. If you wish to stop receiving the SmartEnCity Network Bulletin you can unsubscribe by sending an email to: [info@smartcitynetwork.eu](mailto:info@smartcitynetwork.eu)
- SmartEnCity Network contact:** Kristina Budzova, SmartEnCity Network Coordinator, MSc Sustainable Energy planning and management, E-mail: [k.budzova@smartcitynetwork.eu](mailto:k.budzova@smartcitynetwork.eu), Phone: +43 3840 3423.
- The EU corner – “Europe for citizens programme 2014-2020”**: The European Commission has acknowledged that the EU citizens need to be involved to a greater extent in the European Union as a whole as: “The European Union is made of its citizens and for its citizens”. Thus, a more democratic participation of citizens at an EU level could be promoted. The Europe for citizens programme was developed with the aim of supporting three specific measures:
  - **Town twinning** – which supports the idea of bringing together citizens from two towns and facilitating a place where they can have discussions on concrete issues
  - **Networks of towns** – which has the idea of increasing cooperation between cities by working on common agendas
  - **Civil society projects** – which aims at promoting activities where citizens are directly involved with the policy making process of EU policies
 Who can apply? – Cities, municipalities, NGO’s, networks of cities, educational organisations, local/regional authorities, etc. are eligible to apply for this programme. Read more about the Europe for citizens programme on the [European Commission’s website](#).

At the bottom, it states: "This project has received funding from the European Union's Horizon 2020 research and innovation programme."



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.](#)

- Nr 18** – Dear Readers, This edition of the Bulletin provides an overview of the first national based Italian SmartEnCity Network meeting based on large base of ambitious cities across Italy-ready to start cooperation and boost their Zero Carbon Transition. A warm welcome to our newest city member – Gabrovo, Bulgaria, find more information about the city's energy initiatives and goals in its city profile on the SmartEnCity Network Platform. More news from two of our Lighthouse Cities – Vitoria-Gasteiz and Tartu are highlighted, along with a new financial support and services to cities' sustainable energy projects. European City Facility (EUCF), a new EU-funded program will provide financial support and services to cities and municipalities – or their groupings – across the EU. [Full bulletin.](#)
- Nr 19** – Dear Readers, The SmartEnCity team hopes you and your families are healthy and are safe in these challenged COVID-19 times. This edition of the Network Bulletin provides updates from the Lighthouse Cities of the SmartEnCity project. You will find more about Sonderborg's Youth Climate Council (YCC) and the electric vehicle (EV) charging infrastructure of the city; Tartu city is being an inspiration for high school students and you will find an update about the public transport system written by the Deputy Mayor Raimond Tamm; Vitoria-Gasteiz is fast moving forward with the Coronation neighbourhood district heating system and plans for smart electric buses. The Estonian Smart Cities (network) Club had their 5th meeting, this time in Elva, where they discussed smart city opportunities and tools that can be used locally. Last but not least, you will find an update on the SmartEnCity Academy online training course which has presented its first two lessons. [Full bulletin.](#)
- Nr 20** – Dear Readers, In this edition of the SmartEnCity Bulletin you will find news about the development of the nationally-based SmartEnCity Network in Denmark – “Energibyerne”, from the past half year. Learn about the smart housing association projects in the Lighthouse Cities Tartu and Sonderborg. Our Follower City Lecce is a part of the “Europe towards positive energy districts” booklet. Have you missed the SmartEnCity Academy webinar lesson or want a replay? Now you have the chance to watch the recording of the webinar! [Full bulletin.](#)
- Nr 21** – Dear Readers, This edition of the bulletin dives into activities from two of the SmartEnCity Lighthouse Cities – Tartu and Vitoria-Gasteiz. An update from the Bulgarian SmartEnCity Network explains the progress to develop the national City Network. The activities of the Network slowed down due to the world pandemic COVID-19, however, the efforts to engage and continue the work with the national City Network are advancing by looking into non-contact collaborations. Do not miss



the final SmartEnCity Academy Lesson on the 22nd September 2020, 2 PM CEST. [Full bulletin.](#)

- **Nr 22** – Dear Readers, This month's Network Bulletin addresses the development of the national SmartEnCity Networks in Estonia and Spain, the integrated energy planning process of our Lighthouse City Vitoria-Gasteiz and how SmartEnCity activities are affected by COVID-19. [Full bulletin.](#)
- **Nr 23** – Dear Readers, This edition of the Network Bulletin covers news from the Italian based SmartEnCity Network, and the testing of the electric bus in Lighthouse City Vitoria-Gasteiz. The artwork on the buildings in both Lighthouse Cities Tartu and Vitoria-Gasteiz continues, learn more about the co-creation murals. The SmartEnCity project continues sharing the knowledge accumulated with other European projects, learn more about how in this edition of the Bulletin News. [Full bulletin.](#)
- **Nr 24** – Dear Readers, This new Bulletin is reporting from the national SmartEnCity Networks in Estonia and Denmark and giving an overall update from the EU-wide SmartEnCity Network. COVID-19 is no longer slowing down the Networks ambitions for creating joint actions. In addition, another topic is the public discussion process supporting the new Tartu Climate Action Plan. And key partner ProjectZero, from the Sonderborg Lighthouse City, has created a Public Private Partnership guideline with city-partners across the Baltic Sea. [Full bulletin.](#)
- **Nr 25** – Dear Readers, In this edition, the main topic is energy efficiency. Lighthouse City Tartu has implemented numerous building murals following major retrofitting of apartment buildings from the Soviet era. In addition, they released a handbook for the residents living in the newly renovated buildings. The Danish housing association SAB implements battery storage solutions along with solar panels and energy renovation of their buildings in Lighthouse City Sonderborg. And Lighthouse City Vitoria-Gasteiz deploys the connection of the buildings to the new District Heating Network. [Full bulletin.](#)
- **Nr 26** – Dear Readers, This edition of the Network Bulletin offers information on the Integrated Energy and Climate Plan of Asenovgrad, Bulgaria – a Follower City of the SmartEnCity project, on how the new biogas busses in Lighthouse City Tartu performed last year and about Tartu's new Sustainable and Energy Climate Action Plan: "Tartu Energy 2030". The EU corner is providing an overview of the upcoming events during the summer and early fall. [Full bulletin.](#)
- **Nr 27** – Dear Readers, In this edition of the Network Bulletin, you will find an update from the 7<sup>th</sup> Estonian based SmartEnCity Network meeting and Lighthouse City Tartu's new video showcasing their smart city developments. The Lighthouse City Sonderborg shares about its new waste sorting system and the ZEROshop concept which helps shops and other small businesses reduce their energy consumption. Lighthouse City Vitoria-Gasteiz finds international recognition playing a lead role in

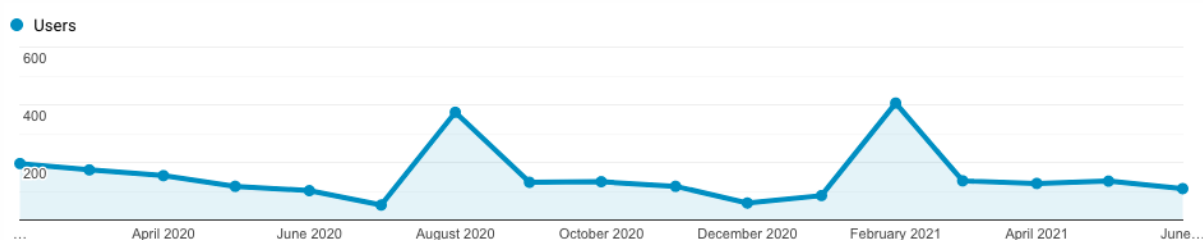


the March & April 2021 issue of a Portuguese magazine. Furthermore, more and more newly renovated facades are coming in Vitoria-Gasteiz. Last but not least, the SmartEnCity Booklet ***“The Journey towards Zero Carbon Emissions - A Travel Guide for Cities”*** is available for download! [Full bulletin.](#)

## 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. D8.5 shows the activity of the platform between M24 and M48. Some of the main figures from between M48 and M66 are summarised below:



**Figure 4 SECN website platform, monthly audience activity between M48-M66**

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 December. 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.

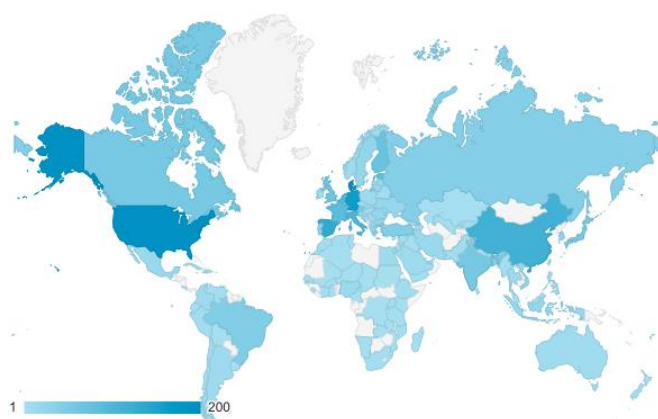
Figure 5 shows the amount of users that have visited the SECN Platform in the past 18 months (2,479 users) and the number of sessions they had. Since this number is higher than the number of users, it suggests that the users are returning to the platform. Overall, there were 5,397 page views – having 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 300.



**Figure 5 Statistics, SECN Platform**

The analytics tool provides an overview of the location from where the SECN Platform was accessed too which is illustrated on Figure 6. As it can be seen from Figure 6, although the main focus of promotion of the SECN Platform is in Europe, the Platform has drawn attention from all over the world.

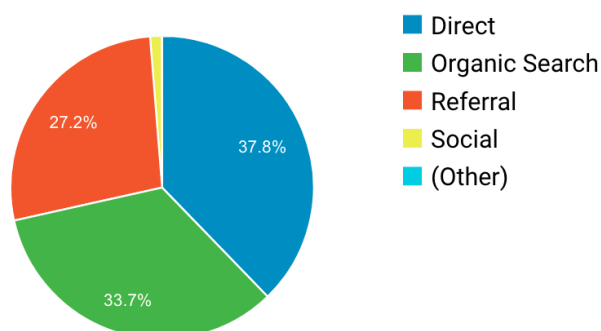




**Figure 6 Geographical coverage of the locations that the SECN Platform was accessed, M48-M66**

Figure 7 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 300 people (which is the amount of people that the bulletin is directly sent to). Almost half of the referrals come from the smartencity.eu (SEC project main website). The Energibyerne.dk which is the national SECN-DK established website is within top 10 of the referrals too. The organic search is coming mainly from Google and the social media referrals come from Facebook only which is where ProjectZero has a profile (NB: not possible to pin specific profile).

**Top Channels**



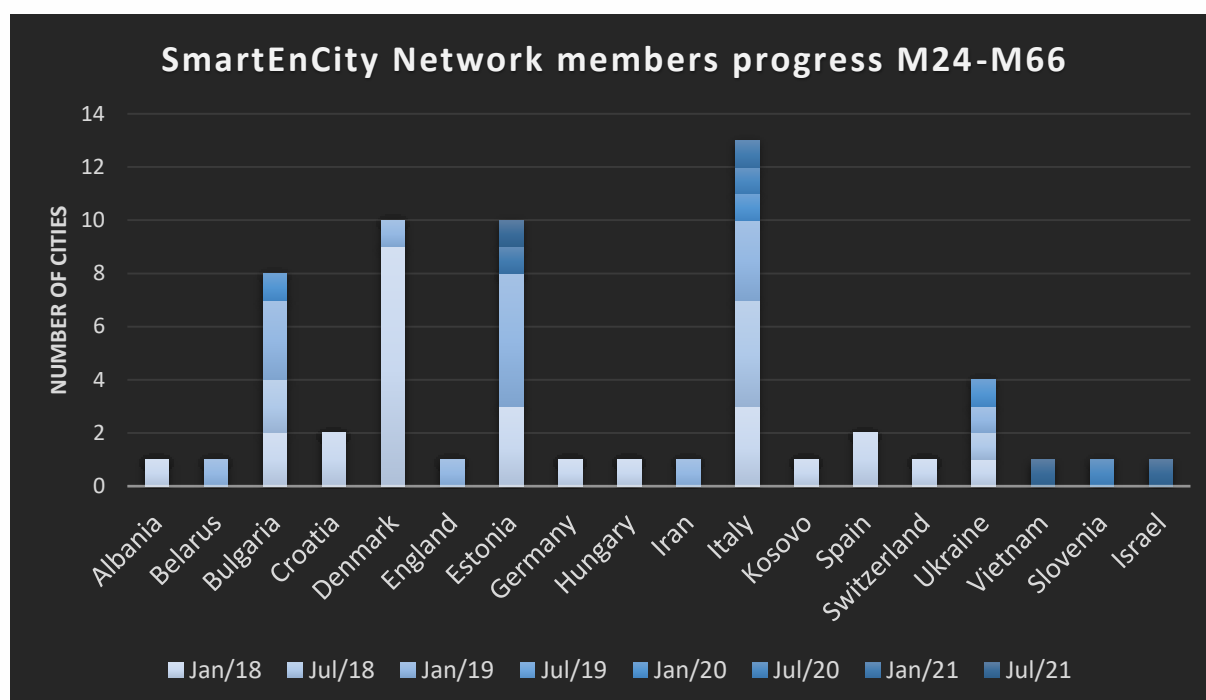
		Acquisition
		Users ↓
		2,479
1	Direct	949
2	Organic Search	848
3	Referral	684
4	Social	31
5	(Other)	1

**Figure 7 Acquisition overview of the SECN Platform, M48-M66**



### 4.3 SmartEnCity Network members

As of July 2021, the SECN consists of 60 city members (including the 3 Lighthouse and 2 Follower cities) from 18 countries, which is about 114% increase of city members from M24 and 15% increase of city members since M48. The list of members, their country of origin and contact person can be found in Annex 8. The next figure illustrates the growth of the SECN since M24 on a bi-annual basis.



**Figure 8 SmartEnCity Network member growth progression between M24 and M66**

The different shades of blue each represent six month periods starting from M24 (lightest) to M66 (darkest). As it can be seen from the figure, a significant growth of members became evident from M24-M48, then between M48-M66 six more cities joined the Network.

### 4.4 Organisation of SECN capacity building workshops

Originally there were a minimum of two EU wide SECN workshops planned between M48 and M66. Unfortunately, COVID-19 pandemic hindered the development of these workshops. However, the **SEC Academy for Zero Carbon Transition**, an **online webinar series** were launched in this period consisting of 4 lessons. People participating to all 4 lessons received a certificate. The SEC academy ran from February 2020 to September 2020. The four lessons are briefly outlined below and an indication of how many participants per lesson is given (NB: it is an indication as it was possible to track only PC users and all those connected via phone were not shown). Overall, more than 250 people participated in the Academy. More info about the Academy is to be found at [the SmartEnCity website](#).

#### 4.4.1 SmartEnCity Academy for Zero Carbon Transition

The SmartEnCity Academy for Zero Carbon Transition” was an online training course for cities, municipalities and smart decision making.



The aim of the SmartEnCity Academy was to follow the straightforward steps of the “Cities4ZERO Urban Transformation Strategy for Cities’ Decarbonisation”, a strategy developed as part of the SmartEnCity project. It has been designed to **qualify city and municipality representatives, planners and developers as ambassadors for a carbon free future** and to provide them with the necessary tools to help their cities reach their goals of decarbonisation in the near future. [Find more information here.](#)

### ***Lesson 1: The SmartEnCity Way towards Zero Carbon City: The Cities4ZERO Strategy and Integrated Energy Planning***

“Moderated by Koldo Urrutia Azcona of TECNALIA Research & Innovation, this Panel Discussion with various SmartEnCity experts will introduce you to the Cities4ZERO Urban Transformation Strategy for Cities’ Decarbonisation (the Cities4ZERO Strategy) and Integrated Energy Planning (IEP). There will be a focus on the SmartEnCity Lighthouse Cities Sonderborg, Tartu and Vitoria-Gasteiz, speaking about their individual ways of approaching this journey.”

Find the **presentation** [here](#) and the **recording** [here](#).

Number of participants: at least 50

### ***Lesson 2: Mastering Governance & Political Barriers: Engage and Integrate***



“Moderated by Francisco Rodríguez Pérez-Curiel of TECNALIA Research & Innovation, Project Coordinator of SmartEnCity, this Panel Discussion with political representatives from the SmartEnCity Lighthouse Cities Sonderborg, Tartu and Vitoria-Gasteiz will focus on how governance can be secured through organizational setups.”

Find the **presentation** [here](#) and the **recording** [here](#).

Number of participants: at least 57

### ***Lesson 3: Where Are We Now? City Analysis and Diagnosis***

“This third training course will be moderated by Michele de Santis from RINA Consulting S.p.A. It is focusing on the needs to be included in a city description according to the Paris Agreement, SmartEnCity, Covenant of Mayors, etc. and according to the visions of the cities. We will present the elements that we have included in the baselines and diagnoses in our three Lighthouse Cities, with a focus on Sonderborg. Follower City Asenovgrad will talk about their local approach.”

Find the **presentation** [here](#) and the **recording** [here](#).

Number of participants: at least 57

### ***Lesson 4: Envision and Planning: The SmartEnCity Planning Process***

“This final training course will be illustrating how the planning process in practice has been used in the SmartEnCity Lighthouse Cities Tartu and Vitoria-Gasteiz. What are the obstacles for actions and how are they solved? Additionally, we will present the approach from our Follower City Lecce.”

Find the **presentation** [here](#) and the **recording** [here](#).

Number of participants: at least 63

## **4.5 National SECN based capacity building workshops**

The following sub-sections will go through the activities of each national SEC Network between M48-M66.

### **4.5.1 SECN-DK**

The background of the SECN-DK (Energibyerne) has been detailly explained in D8.5.

Until M48, there have been 13 joint SECN-DK capacity building workshops (see D8.5) and from M48-M66 there have been 6 joint SECN-DK online capacity building workshops. The workshops were online due to restrictions regarding COVID-19:



**Figure 9 SECN-DK members**

- May 2020
- September 2020
- November 2020 (2 days online event)
- December 2020
- March 2021
- May 2021

Figure 10 illustrates some of the meetings of the Energibyerne between M48-M66.



**Figure 10 Online meetings of the Energibyerne**

Besides workshop-meetings, the Energibyerne managed between M48 and M66 to submit two project applications. The first one is PtX focused and the second one is EV charging focused. Below is a short summary of the proposals:

### **PtX in Energibyerne.dk**

The application is targeted the Danish national EUDP energy fund and focused on the roles of municipalities in a world focused on transitioning into green fuels based on green power from PV solar and wind. The application was compiled/created by partner PLAN with participation from 6 of the 7 SECN-DK members.

The preliminary feedback from the evaluation committee was very positive, however the final feedback was a rejection.

### **WeCARE**

The application is targeted the EU H2020 EUCF funding mechanism and focused on ramping up electrification of the person-transport and the associated e-charging (power) infrastructure to be designed and implemented. The application was compiled/created in a partnership between ZERO and two of the network city-members (Ringkøbing-Skjern and



Skive), filed as a joint application by the end of May 2021 in the name of Ringkøbing-Skjern Municipality and supported by 6 of the 7 SECN-DK network members.

Furthermore, the Energibyerne were the focus-subject for a Master Thesis research paper from Lund University. More about this research could be mentioned in the next reporting period.

#### 4.5.2 SECN-EE

A background information of the Estonian SECN (The Estonian Smart Cities Club) is available in D8.5. Since M48 the Smart Cities Club grew by adding two more cities: Parnu and Haapsalu.

Until M48, the SECN-EE have had four capacity building workshop-meetings (see D8.5). Between M48-M66 the SECN-EE had three workshop meetings: 12 March 2020, 4 November 2020 and 10 June 2021. The March 2020 meeting was held in person in Elva: it is customary for the Club to meet in person in different member cities as it offers the opportunity to combine the meeting with a study visit. These study visits and field trips in member cities have been deemed particularly valuable by the club members as it provides the chance to visit and experience new interventions and solutions first-hand. However, due to the pandemic, the last two meetings in November 2020 and June 2021 were held virtually and they were dedicated to discussing and showing experiences from Tartu and other club cities related to open city information platforms and energy data monitoring practices as well as learning from Võru city based on their follower city experience in smart city project +CityExChange.

The three partners leading and organizing Club activities (IBS, TREA, TAR) ensure that the topics discussed during meetings are varied and relevant for the member municipalities. It is always open to the club members to offer necessary topics for discussion and showcase themselves, too. Information on funding opportunities, upcoming events, relevant initiatives, etc. is also regularly disseminated through a dedicated mailing list. IBS and TREA have also been active in inviting and involving member municipalities in international consortia, however, no such projects have received funding as of yet.



**Figure 11 SECN-EE members**



**Figure 12 Estonian Smart Cities Club meeting and study visit in Elva, Estonia (March 2020)**

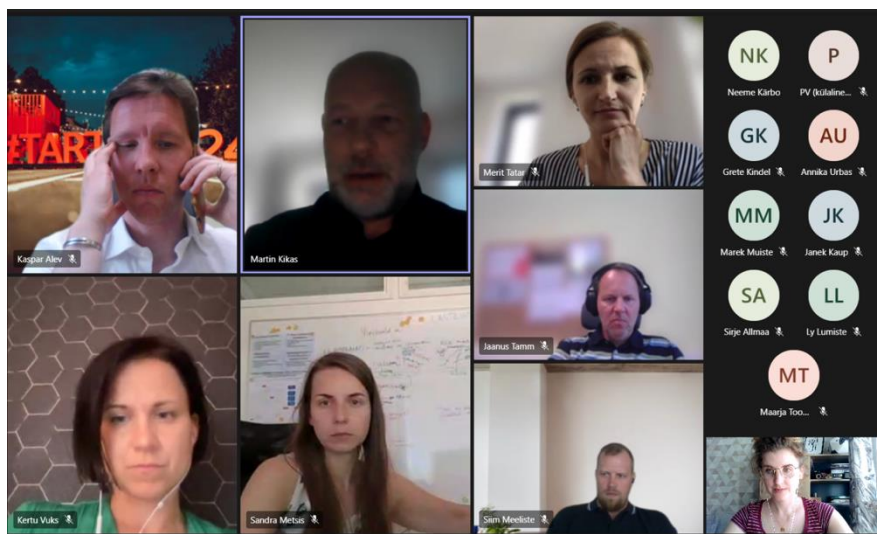


Figure 13 Estonian Smart Cities Club virtual meeting (June 2021)

### 4.5.3 SECN-ES

The development of the national SECN in Spain was supposed to 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. In this line, multiple SECN cities were supposed to be organised regarding the Spanish Network, 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 PATEI 2020-2030*). However, the COVID-19 outbreak delayed both the development and the participatory process of PATEI 2030, which was the main driver to engage cities to the SECN-ES network. PATEI 2030 is now on the final stage of the participatory process with the citizenship, and it will be officially published by the end of the summer. As main PATEI 2030 inputs are already in place, the municipality understands that now it is possible to continue with the original SECN-ES plans, hence first workshops with Spanish cities will be celebrated in the following months (M66-M72), starting with a first event by the end of the summer. The agenda of this first event intends to set the first contact with cities interested in climate neutrality initiatives, targeting the involvement of 8 to 10 cities:

TIME	CONTENTS
<ul style="list-style-type: none"> <li>9:15h – 9:30h.</li> </ul>	Open room
<ul style="list-style-type: none"> <li>9:30h. – 9:50h.</li> </ul>	Welcome and introduction. <ul style="list-style-type: none"> <li>Welcome and general presentation of sesión contents (5 min.)</li> <li>SECN purpose and potential interest for cities (10 min.)</li> <li>SmartEnCity presentation and impact in Vitoria-Gasteiz (10 min.)</li> </ul>
<ul style="list-style-type: none"> <li>09:50h. – 10:20h.</li> </ul>	Methodological approach to the fulfillment of the Regional Sustainable Energy Law (4/2019, Basque

	Country)
	<ul style="list-style-type: none"> <li>- Cities4ZERO presentation: methodology for Smart urban decarbonisation/ climate mitigation strategies (15 min)</li> <li>- Energy Action Plans; application of 4/2019 Sustainable Energy Law (15 min)</li> </ul>
• 10:20h. – 10:55h.	<ul style="list-style-type: none"> <li>- Follow up and mentoring work developed by SECN in the planning process. Events, contents and calendar (10 min)</li> <li>- Discussion with participants and back up presentation with specific cases (25 min)</li> </ul>
• 10:55h. – 11:00h.	Acknowledgements and next steps (5 min)

#### 4.5.4 SECN-IT

Background information about the SECN-IT is available in D8.5. Since M48 the SECN-IT grew by adding two cities: Orsomarso and Leverano.

The SECN-IT deployment workshop was held in December 2019. Since that moment, the coordinators of the network (RINA), although the restrictions due to the COVID-19 situation, kept updated and involved the network cities in all the project activities, in order to inspire their sustainability journey. Beyond preparing the city check-up assessments for the new member cities, all the cities have been invited to the SEC academy events and continuously updated about the IEP process performed by LECCE. Bilateral calls have been organized with some municipalities (i.e. Pesaro, Orsomarso, Genova) in order to evaluate possible collaborations in EU projects and to provide more details on the IEP process, waiting the final approval (and consequent publication) of IEP document by Lecce Municipality (in Autumn 2021).



Figure 14 SECN-IT members

#### 4.5.5 SECN-BG

Background information about the SECN-BG is available in D8.5. It has been decided that SECN-BG activities will follow a bilateral one-to-one approach with network member instead of joint meetings. The main aim of this approach is to present the approach of IEP adopted with SmartEnCity methodology, outline its main phases and steps taken, and try to take Bulgarian municipalities on board for replicating the approach in their strategic planning process.

However, the process has been slowed down due to COVID-19 restrictions and the meetings postponed for the future when situation allows to hold them. Another major barrier has been the political situation in the country with

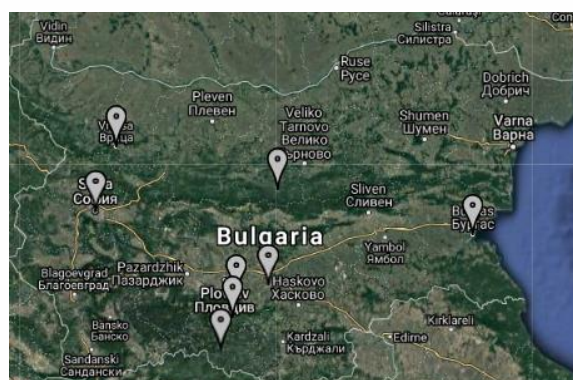


Figure 15 SECN-BG members





Parliamentary elections and the inability of the elected parties to form government leading to new elections due in July 2021. It is foreseen to continue with SECN-BG activities in the Summer-Autumn 2021 with the main aim to ensure that other Bulgarian municipalities declare intent to adopt SmartEnCity IEP approach and replicate the methodology and process developed within SmartEnCity project.

## 4.6 SmartEnCity City Check-up Assessment for SECN

The SmartEnCity – [City Check-up Assessment](#) was launched in October 2019 and then sent to all existing and newcomer city members. The City Check-up Assessment provides a possibility to assess where in the IEP process a city is and also gives the possibility to ask for feedback from the SEC experts. Then the experts receive the answers of the city, review them and write a feedback on where in the IEP process is this city, what could they do as next steps, where within the SEC project they can draw inspiration and what tools they can use.

The City Check-up Assessment questions and the answers of the assessment until M66 can be found in Annex 8. Out of the 60 city members 18 have answered by M66, however, some of them answered the assessment 2 times as their energy planning context is being changed. Currently all WP8 partners are working towards increasing of the amount of answers received. Here is a list of cities that already answered the assessment:

1. Skive, Denmark
2. Padova, Italy
3. Frederikshavn, Denmark
4. Horsens, Denmark
5. Avellino, Italy
6. Orsomarso, Italy x2
7. Benevento, Italy
8. Pesaro, Italy x2
9. Sonderborg, Denmark
10. Lecce, Italy
11. Asenovgrad, Bulgaria
12. Vitoria-Gasteiz, Spain
13. Tartu, Estonia
14. Ringkøbing-Skjern, Denmark
15. Rome x 2
16. Valga, Estonia
17. Middelfart, Denmark
18. Palma Campania, Italy



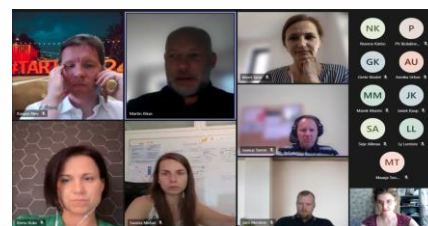


## 4.7 Promotion of the SECN

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 M48 – M66:

### 2020

- February 2020 (webinar from SEC Academy Lesson 1-, online, *partner: TEC*)
- March 2020 (SECN-EE meeting in Elva, *partner: IBS, TREA, TAR*)
- May 2020 (SECN-DK, online meeting, *partner: ZERO, PLAN*)
- June 2020 (SmartEnCity Academy Lesson 3, City Analysis and Diagnosis, Follower City Asenovgrad – Experience and Challenges, *partner: SEC, ASEN*)
- June 2020 (SmartEnCity Academy Lesson 3, *partner: RINA*)
- June 2020 (SCIS Webinar: 'Replication in practice' Common challenges and enablers for the replication of smart city solutions, *partner: SEC*)
- September 2020 (EIP Brno event, The Sonderborg case, *partner: ZERO*)
- September 2020 (SECN-DK, online meeting, *partner: ZERO, PLAN*)
- September 2020 (webinar from SEC Academy Lesson 4, online, *partner: TEC*)
- September 2020 (SmartEnCity Academy Lesson 4, *partner: RINA*)
- October 2020 (RES Partnerships in Asenovgrad Integrated Sustainable Planning, The Experience of Municipality of Asenovgrad, Bulgaria, H2020 SmartEnCity Project, on-line event within 18th European Week of Regions and Cities, *partner: SEC*)
- October 2020 (EU missions for Danish municipalities, *partner: ZERO*)
- October 2020 (BL8 housing association workshop, *partner: ZERO*)
- November 2020 (CITIES Research closing conference, *partner: ZERO*)
- November 2020 (Energy transition conference, *partner: ZERO*)
- November 2020 (SECN-EE meeting, online, *partner: IBS, TREA, TAR*)



- November 2020 (Tales from the North, South and East, Asenovgrad, Bulgaria, FC in SmartEnCity Project on-line event within SCIS Final Conference 2020, *partner: SEC*)
- November 2020 (SECN-DK, online meeting, *partner: ZERO, PLAN*)
- November 2020 (Viessmann Foundation, Germany, *partner: ZERO*)
- December 2020 (SECN-DK, online meeting, *partner: ZERO, PLAN*)

## 2021

- April 2021 (Smart Talks at Bologna University: *SmartEnCity Project. Towards smart cities at CO2 zero emissions. The study case of the Follower City Lecce, partner: LECC, RINA*)
- March 2021 (SECN-DK, online meeting, *partner: ZERO, PLAN*)
- May 2021 (SECN-DK, online meeting, *partner: ZERO, PLAN*)
- May 2021 (Christel Schaldemose, MEP – Sonderborg tour, *partner: ZERO*)
- May 2021 (Sonderborg City Council, *partner: ZERO*)
- June 2021 (SECN-EE meeting, online, *partner: IBS, TRETA, TAR*)
- June 2021 (Promotion of the SECN in the first SCALE workshop, broadcasted from Lyon to more than 350 participants across Europe, *partner: ZERO*)



## 4.8 Participants/people reached until M66

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 M66, 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 2019 – reaching about 40 participants

Along with the EU wide SECN meeting, there have been around 30 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 second series of webinars, SmartEnCity Academy launched in February 2020 and ended September 2020 accounted for a total of more than 250 participants.

The SECN platform accounted for more than 5.500 participants until M66.

The SECN Bulletin reached at least 300 people, which have confirmed that they 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 Ramping up the 15 IEP cities' KPI assessment approach

The presented in section 3.2 SECN approach on how to assess if we have reached a minimum of 15 IEP cities that are considering to use or have stepped into the IEP based on the Cities4ZERO methodology is now being implemented and will continue until the end of the project. There are ongoing discussions within the WP8 working group on best engagement approaches for the different SECN city members and how to best assess if we have reached a minimum of 15 IEP cities. The WP8 task group will follow this approach with the aim of maximising the IEP replication process by the end of the project.

In the next reporting period, the assessment of the 15 IEP cities will be more shown in more detail.

### 5.2 Sonderborg Climate Neutrality Conference



The Sonderborg Climate Neutrality Conference is scheduled to be an online event due to the continuous COVID-19 restrictions and world pandemic. It will be a two-day event 28<sup>th</sup> and 29<sup>th</sup> September 2021. The conference is co-organized by ZERO-partner in close cooperation with SDU - The Southern Denmark University.

Track B of the conference agenda is entirely dedicated to SEC project outcomes, solutions with outlook to SECN city members.

At the end of the conference a virtual tour which will “go around” the 5 core SEC cities including 3 LH and 2 F cities will present various sites showcasing SEC project outcomes. More information about the conference will be provided in the next reporting period.

Preview the preliminary conference program [here](#).

### 5.3 Final joint SEC project / SECN event

The final event of the SEC project is currently in the process of being planned. It is scheduled to take part between May and July 2022 in one of the two Lighthouse Cities Tartu or Vitoria-Gasteiz (due to the Climate Neutrality Conference taking place in Sonderborg at the end of 2021). The event will most likely – but depending on the development of the COVID-19 pandemic, be a physical event with potentially the possibility to connect digitally as well. In case of another lockdown, the event will be fully digital. Currently, the event is planned to span between one and two days, consisting of a mixture of key notes, lectures and more interactive elements like workshops.

## 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 tried to follow it to the best of their abilities.

The deviations as per M66, are coming mainly from the impact the COVID-19 outbreak had on the entire world which resulted with restrictions concerning mainly not allowing physical meetings. This has been the case, for instance, in the Spanish SECN. However, the pandemic also allowed for other possibilities such as more focused national meetings which led to two project proposals in Denmark, participation to many online events which usually would have consumed a lot of travelling time, etc.



## 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, M66 – listed by date of SECN-participation

City name	Country	Contact person
1. <b>Sonderborg</b>	Denmark	xxx, ProjectZero Director
2. <b>Vitoria- Gasteiz</b>	Spain	xxx, Head of Information and innovation for Sustainability
3. <b>Tartu</b>	Estonia	xxx, SmartEnCity coordinator
4. <b>Asenovgrad</b>	Bulgaria	xxx, Head of Planning of investment activities, development of programs and projects
5. <b>Lecce</b>	Italy	xxx
6. <b>Peja</b>	Kosovo	xxx, Chief of Mayors Cabinet
7. <b>Greifswald</b>	Germany	xxx, Climate Protection Officer
8. <b>Lviv</b>	Ukraine	xxx, IT-department, Lviv City council
9. <b>Tirana</b>	Albania	xxx, director of sustainability department, Tirana Municipality
10. <b>Veszprem</b>	Hungary	xxx, Strategic manager
11. <b>Jogeva</b>	Estonia	xxx, Specialist of development issues
12. <b>Valencia</b>	Spain	xxx, Energi Innovation Officer
13. <b>Skive</b>	Denmark	xxx, Plan & support manager
14. <b>Aalborg</b>	Denmark	xxx
15. <b>Frederikshavn</b>	Denmark	xxx
16. <b>Dubrovnik</b>	Croatia	xxx, Head of DURA agency
17. <b>Aversa</b>	Italy	xxx, Energy, environment & smart eldeman
18. <b>Benevento</b>	Italy	xxx
19. <b>Martigny</b>	Switzerland	xxx
20. <b>Ringkobing-Skjern</b>	Denmark	xxx



<b>21. Horsens</b>	Denmark	xxx
<b>22. Odense</b>	Denmark	xxx, Environmental inspector
<b>23. Sofia</b>	Bulgaria	xxx, Urban planning expert
<b>24. Split</b>	Croatia	xxx, Assistant to head, Department of Economy
<b>25. Hoje-Taastrup</b>	Denmark	xxx, Climate consultant
<b>26. Voru</b>	Estonia	xxx, Architect
<b>27. Middelfart</b>	Denmark	xxx
<b>28. Odessa</b>	Ukraine	xxx, Investment Manager, Odessa Municipal Energy Agency
<b>29. Burgas</b>	Bulgaria	xxx, Chief expert
<b>30. Smolyan</b>	Bulgaria	xxx, Director IPPPA
<b>31. Tivoli</b>	Italy	xxx, Energy Manager, Tivoli Smart City
<b>32. Cagliari</b>	Italy	xxx, Energy Manager
<b>33. Rome</b>	Italy	xxx, Project manager
<b>34. Padua</b>	Italy	Xxx
<b>35. Ærø</b>	Denmark	xxx, Communications officer, RE
<b>36. Vitebsk</b>	Belarus	xxx, Chairwomen Cultural educational establishment "Center of urban projects and initiatives "Prastora"
<b>37. Elva</b>	Estonia	xxx, Head of development and planning department
<b>38. Tallinn (Tallinn energy agency)</b>	Estonia	xxx, Head of agency
<b>39. Pervomaisk</b>	Ukraine	xxx, Mayor
<b>40. Vratsa</b>	Bulgaria	xxx
<b>41. Parvomay</b>	Bulgaria	xxx
<b>42. Laki</b>	Bulgaria	xxx, Mayor
<b>43. Milton Keynes</b>	England	xxx, project manager



<b>44. Genova</b>	Italy	xxx, Funzionario tecnico
<b>45. Viimsi</b>	Estonia	xxx, Head of Development Department
<b>46. Tehran Municipality ICT Organization</b>	Iran	xxx, International Advisor to CEO
<b>47. Valga</b>	Estonia	xxx, Head of Communications
<b>48. Palma Campania</b>	Italy	xxx, SEAP Coordinator
<b>49. Pesaro</b>	Italy	xxx, Project Manager at Public Works Department
<b>50. Avellino</b>	Italy	Xxx
<b>51. Chortkiv</b>	Ukraine	xxx, Head of municipal development department
<b>52. Gabrovo</b>	Bulgaria	xxx, Chief expert
<b>53. Saaremaa</b>	Estonia	xxx, Development specialist
<b>54. Orsomarso</b>	Italy	xxx, Energy Manager
<b>55. Trzic</b>	Slovenia	xxx, Smart city advisor
<b>56. Parnu</b>	Estonia	xxx, Business development specialist
<b>57. Leverano</b>	Italy	Xxx, General secretary and responsible of investment projects and programmes development
<b>58. Nha Tang</b>	Vietnam	Xxx
<b>59. Haapsalu linn</b>	Estonia	Xxx, Architect planner
<b>60. Taibeh</b>	Israel	Xxx, Community Coordinator, Department of Environment

## Annex 2 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

<https://docs.google.com/forms/d/1mWqDbN16iOOcWkVcRS8zRimyIWnFVYYxUeu6Ika1SCM/edit>

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

<https://docs.google.com/forms/d/1mWqDbN16iOOcWkVcRS8zRimylWnFVYYxUew6lka1SCM/edit>

4/7



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.: m<sup>2</sup>, %, CO<sub>2</sub>, 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: \_\_\_\_\_





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

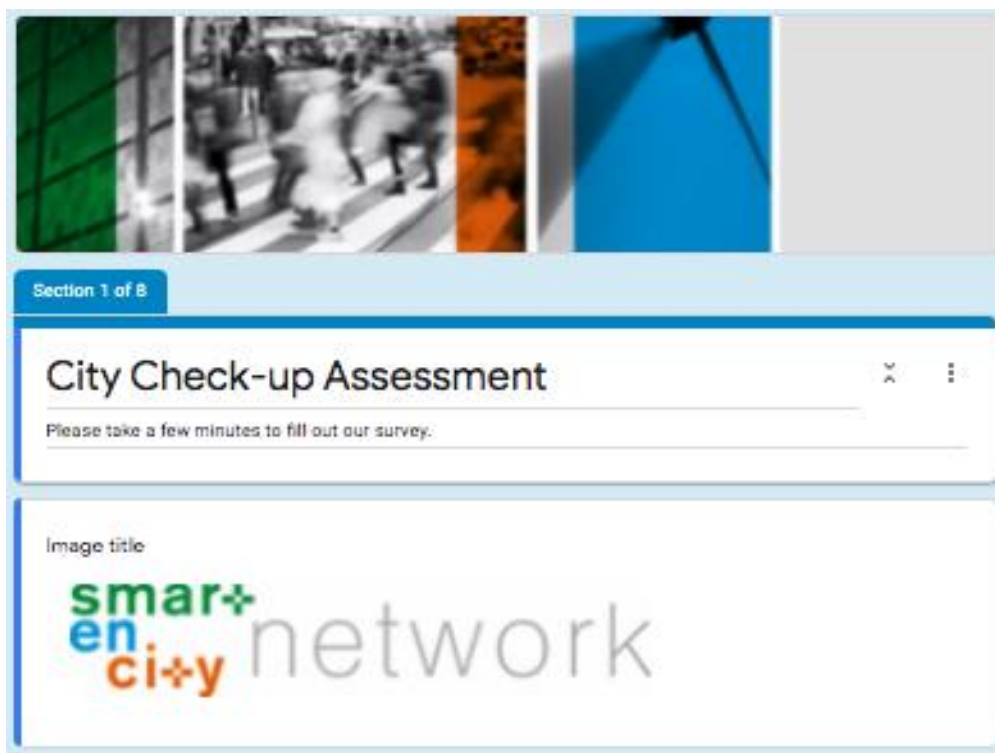
☐ No

---

Powered by

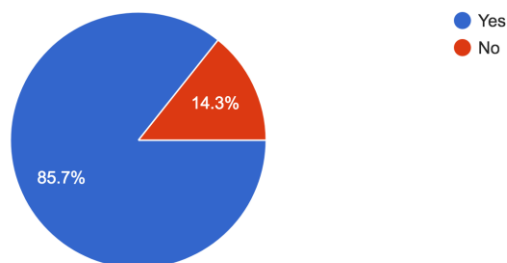


## Annex 3 Responses from the City Check-up Assessment as of M66



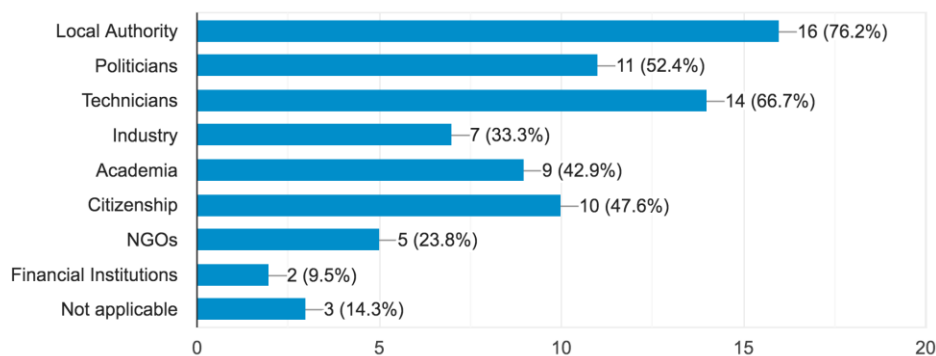
Does your city have a coordination group dealing with the energy & decarbonization topic?

21 responses



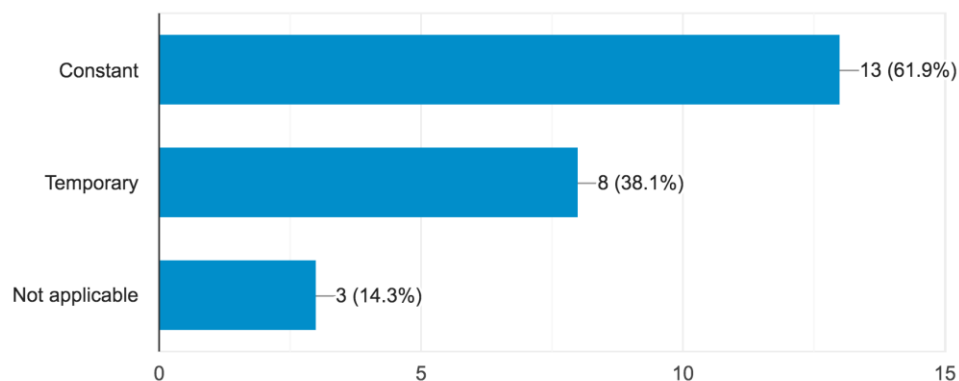
Who are the key stakeholders of this group?

21 responses



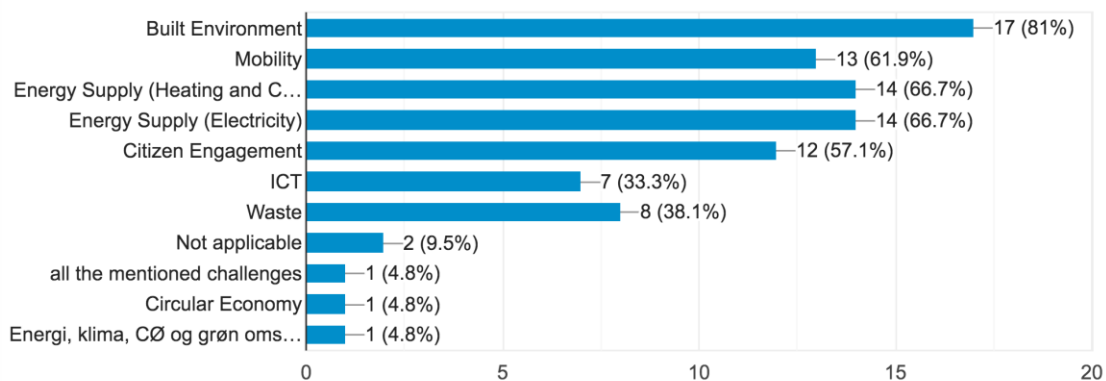
Is this core group constant over time or temporary?

21 responses



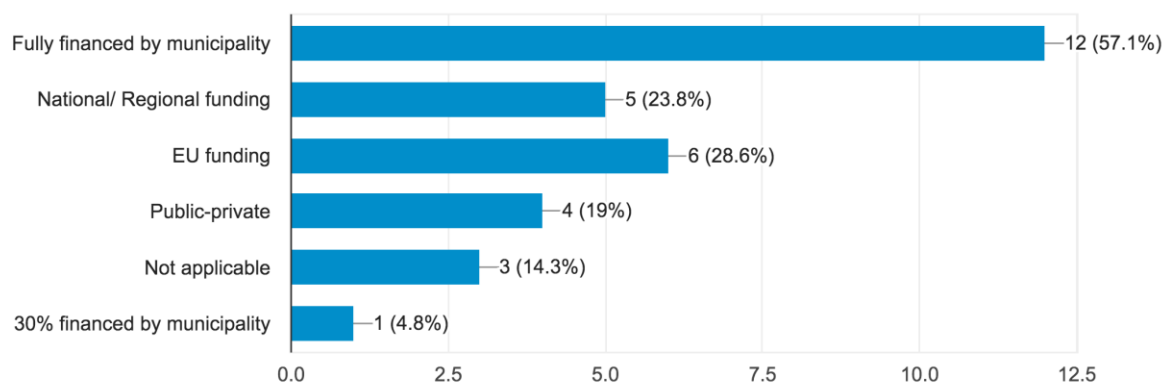
What is this group focussing on?

21 responses



Please give a general description of how the group is financed

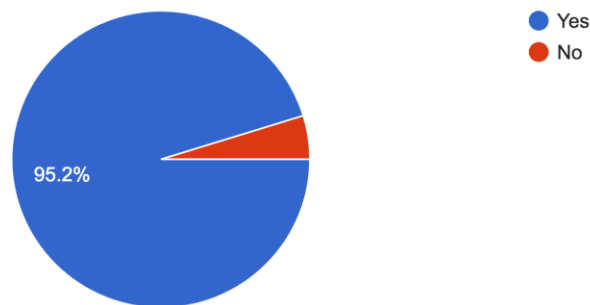
21 responses



## Analyse and Diagnose

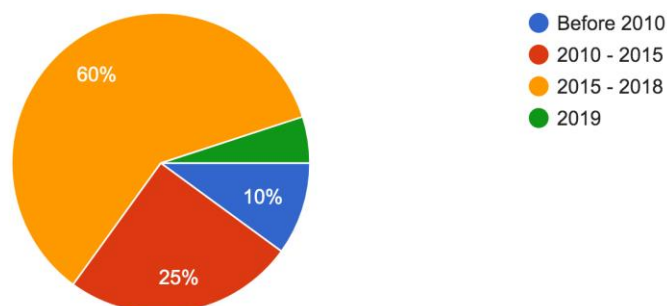
Have you done a city analysis and diagnosis in connection with the energy & decarbonization topic?

21 responses

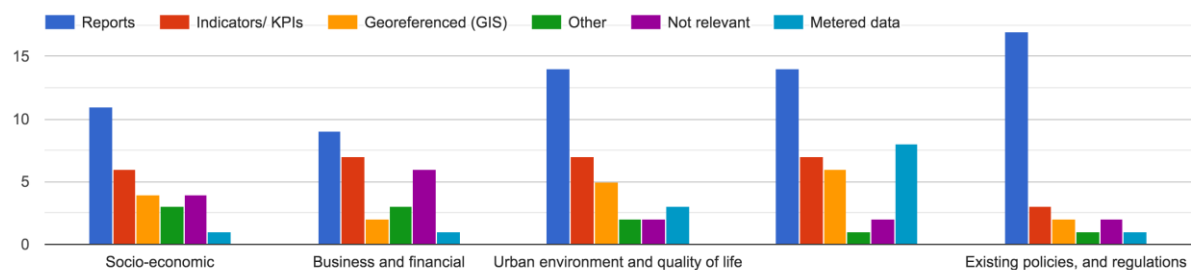


If yes, when have you done this analysis and diagnosis?

20 responses



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



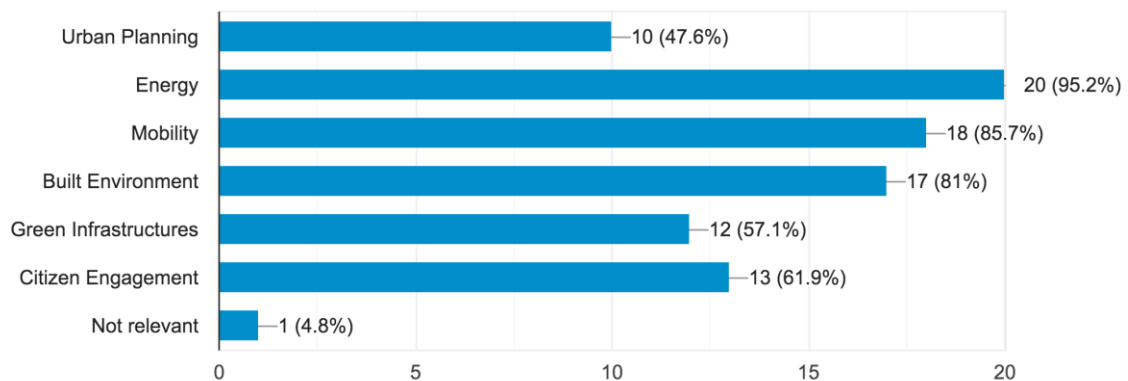
If you have used other kind of data, please specify

0 responses

No responses yet for this question.

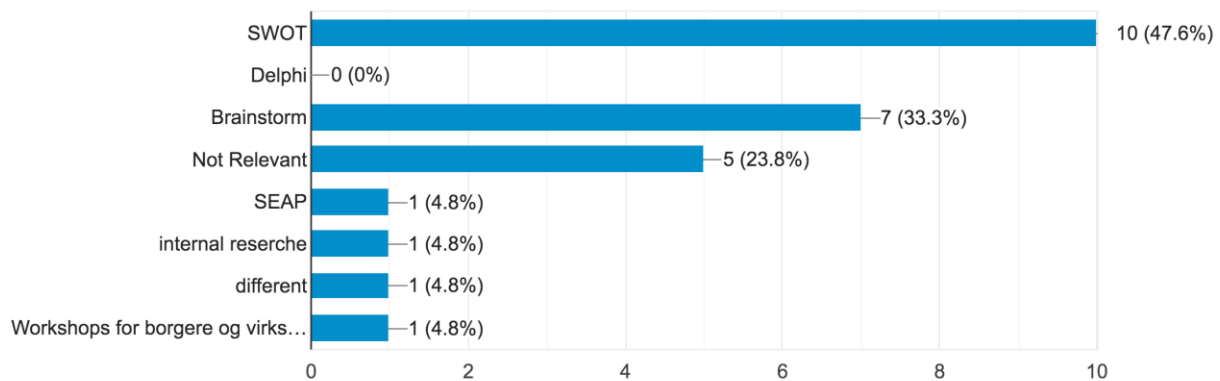
Which city sectors did you include in the analysis and diagnosis?

21 responses



Which methods did you use to perform a city diagnosis?

21 responses

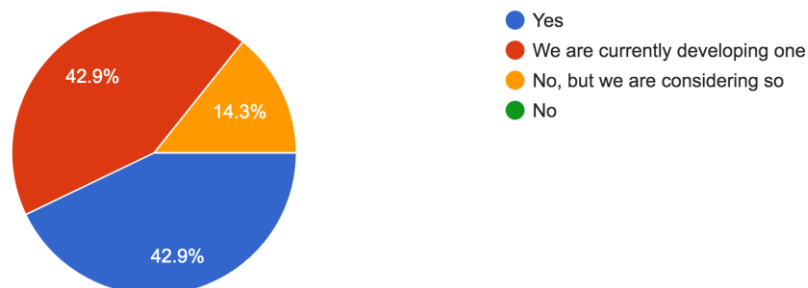




## Envision

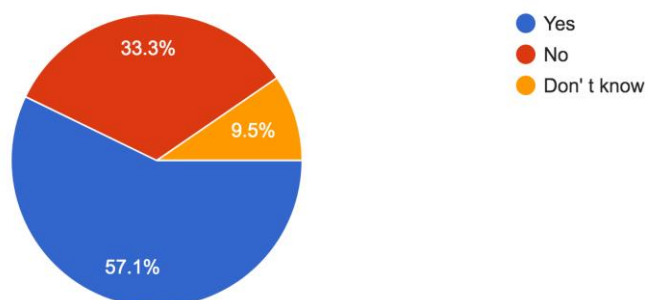
Do you have a long-term vision in the energy & decarbonization topic?

21 responses



Have you generated potential energy & decarbonization city scenarios?

21 responses



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

9 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

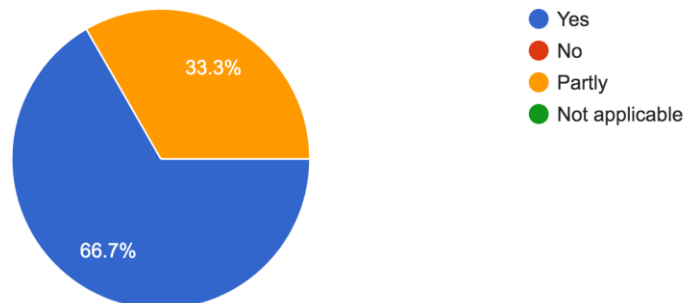
For implementing the integrated energy plan

We want are energetically independent before 2030

Part of Sustainable Energy and Climate Action Plan

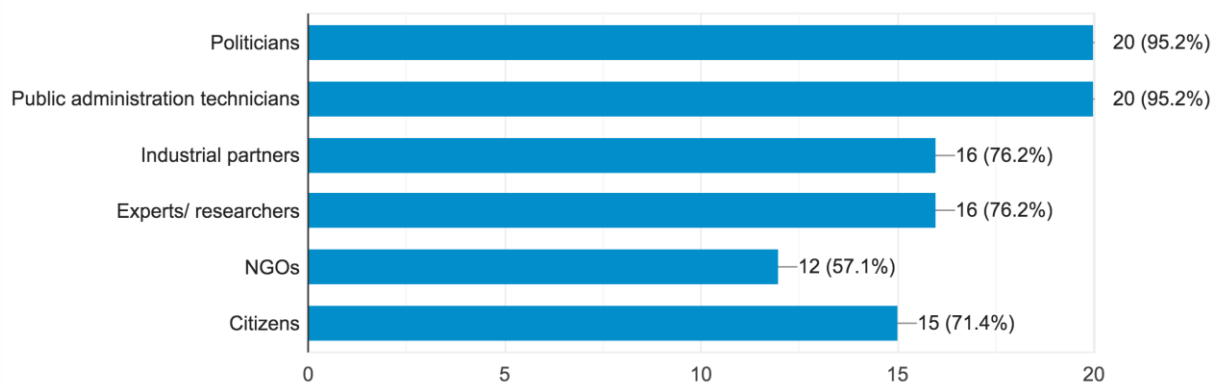
Is the development of a vision a participatory process?

21 responses



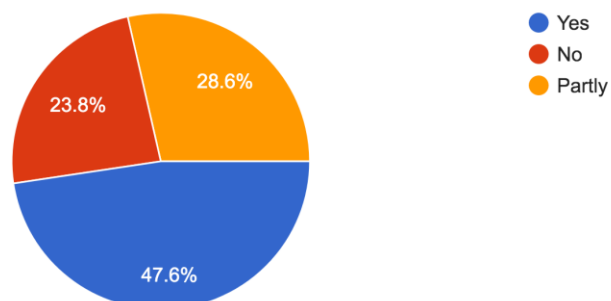
What kind of stakeholders are involved?

21 responses



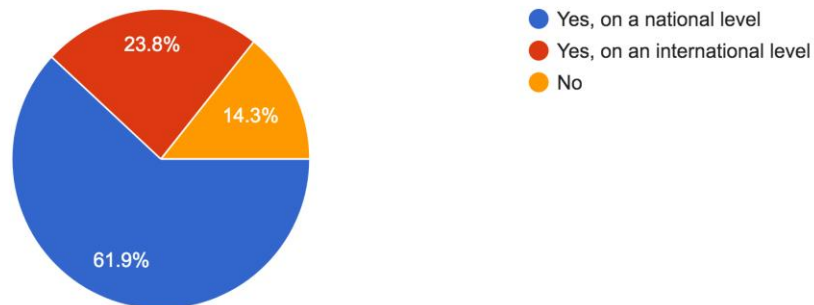
Do you set working groups on the main topics within your energy & decarbonization scenarios processes?

21 responses



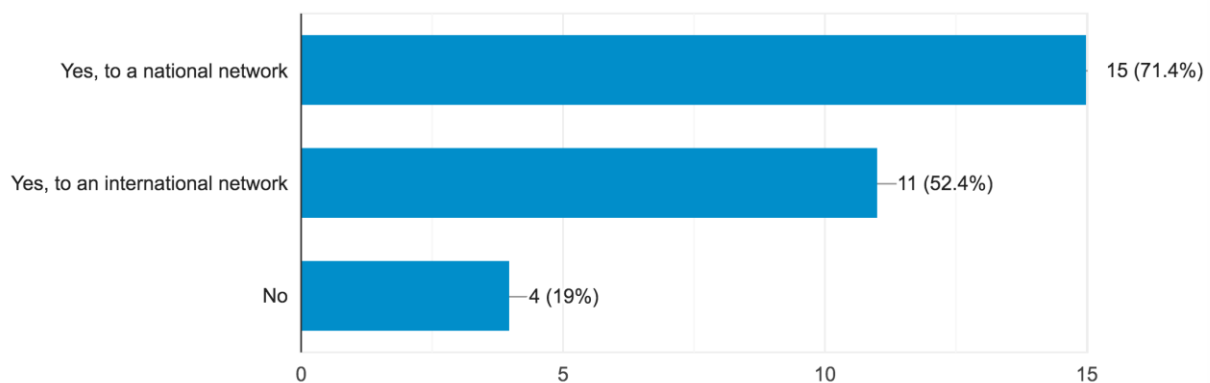
Do you collaborate with other cities regarding energy & decarbonization ambitions?

21 responses



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

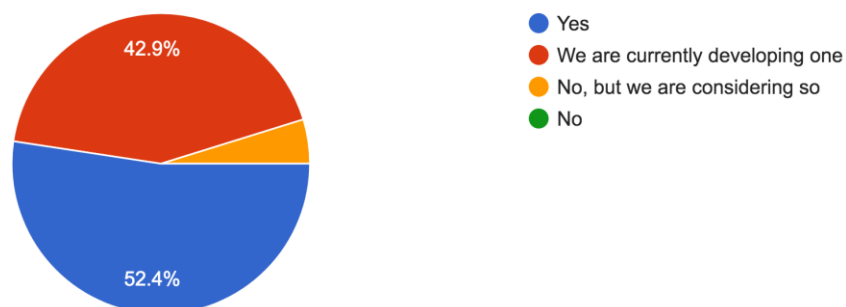
21 responses



#### Plan (City Level)

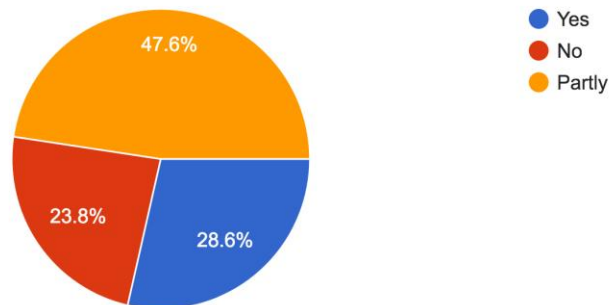
Does your city have a strategic plan on energy & decarbonization topic?

21 responses



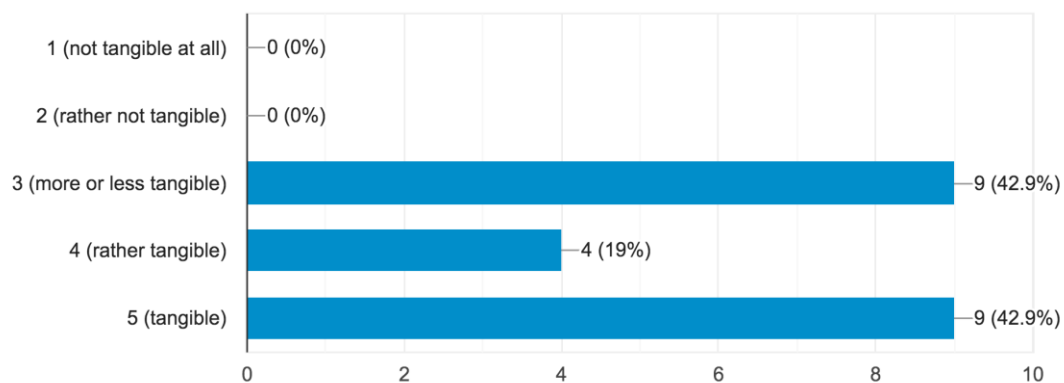
Are there allocated resources for the actions identified in that plan?

21 responses



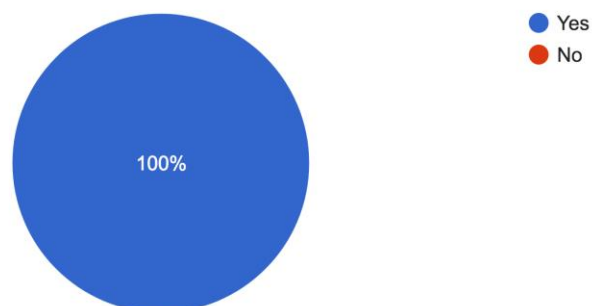
Does your plan include tangible targets? (e.g.: m<sup>2</sup>, %, CO<sub>2</sub>, KPIs, deadlines?)

21 responses



Are your tangible targets connected to your city vision?

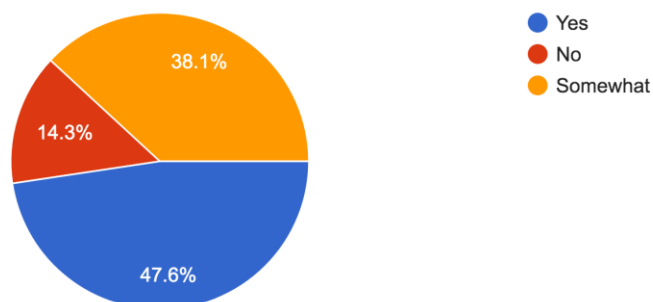
21 responses



## Integrate

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

21 responses



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

8 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
- municipal competences and land-use
- Integrated in the Sustainable Energy and Climate Action Plan (SECAP)
- Municipal competences

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

18 responses

politicians

Energisekretariatet

I am in charge (Bahram Dehghan)

Energibyen Skive

Manager of Public Works Sector Mr. Giovanni Puce

City council

Our Energy Manager

The SECAP office within the Mayor's Cabinet

MUNICIPAL TECHNICAL OFFICE AND ENERGY MANAGER

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

18 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.)

19 responses

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

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

solid data and recruiting the best people for the process

Municipality is not owning production of energy

City Commitments towards SDGs and Human Scale City Model

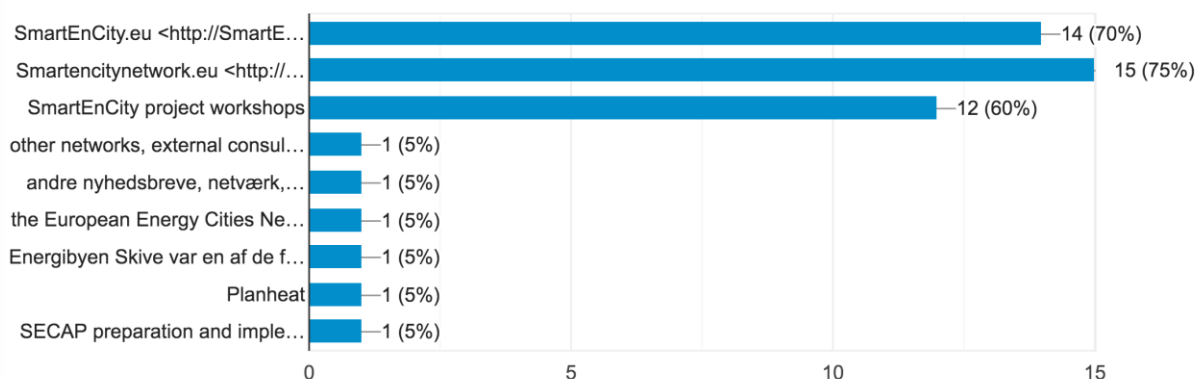
Mostly we face the lack of governance of this implementation. It's difficult to connect all the parts of the Municipality to the decarbonisation goals of the plan. And we don't have a European standard plan (i.e. SEAP from the Covenant of Mayors project) yet.

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 open the doors to a full networking with other cities to share and learn from other territories, more developed in these fields.

## Inspiration

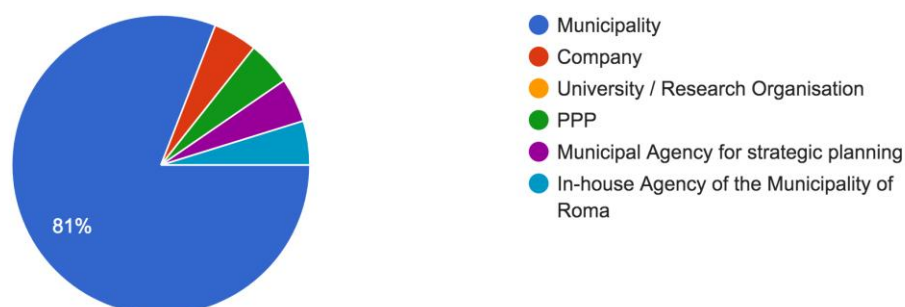
Have you received inspiration for your city energy plans and/or actions from the following sources?

20 responses



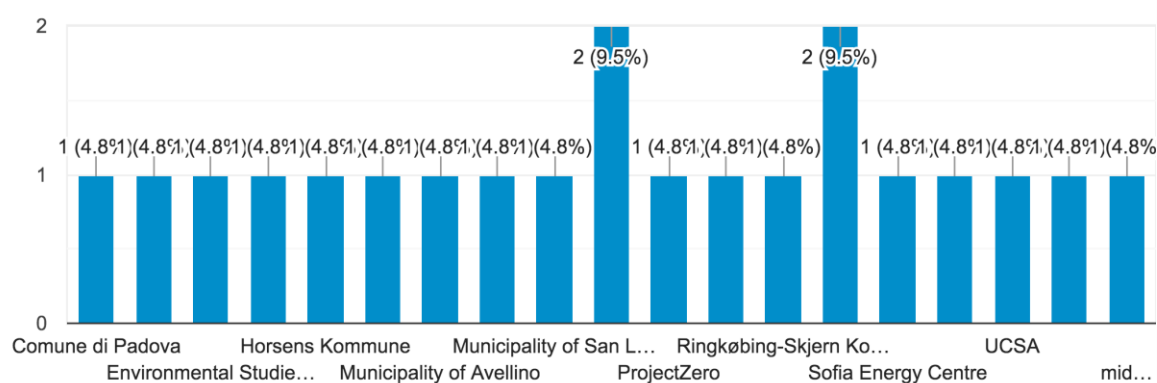
## Type of your Organisation you are working for

21 responses



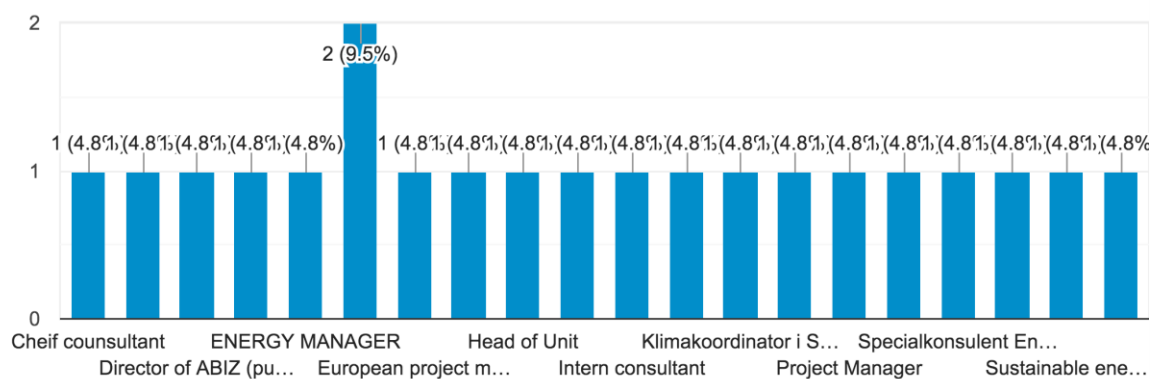
## Name of your Organisation

21 responses



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

21 responses



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

21 responses

