



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

Deliverable D8.1

Smart Cities Network Activities Report_v1

WP8, Task 8.1



***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.***

Date of document

30/01/2017 (M12)

Deliverable Version:	8.1, V1.0
Dissemination Level:	Public
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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 st February 2016 - 31 st July 2021 (66 months)

Deliverable No.		D8.1 Smart Cities Network Activities Report_v1	
Diss. Level		Public	
Deliverable Lead		ZERO	
Status		Working	
		Verified by other WPs	
	x	Final version	
Due date of deliverable		31/01/2017	
Actual submission date		30/01/2017	
Work Package		WP 8 - Replication to Followers and Smart Cities Network	
WP Lead		IBS	
Contributing beneficiary(ies)		TEC, VIS, CEA, AAU, TAR, SCL, IBS, DAPP, SEC	
Date	Version	Person/Partner	Comments
18/01/2017	0.1	Peter Rathje, ZERO	First final draft
30/01/2017	1.0	Peter Rathje, ZERO	Final review

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Abbreviations and Acronyms

Abbreviation/Acronym	Description
SEC SmartEnCity	Towards Smart Zero CO2 Cities across Europe
SEC/N	SmartEnCity Network
SEC/N-group	The SmartEnCity Network group is the task 8.1 partners, responsible for creating, maintaining the SEC/N and delivering the task 8.1 deliverables

Table 1: Abbreviations and Acronyms

0 Publishable Summary

The SmartEnCity Network (SEC/N) serves as a platform for SmartEnCity replication, dissemination and exploitation activities.

The SEC/N has successfully ended its 12 first months. Many initiatives have been taken to attract interest, create content platforms and provide structure. The SmartEnCity Network now consist of 12 Network members, including the Lighthouse and Follower cities. The ambition is to grow this number to 200 network members before M24.

SEC/N meetings and discussions with ambitious cities across Europe, have documented that there is a need for a joint domain, where small and medium sized cities (and municipalities) can share their knowledge, benchmark, learn from each other and where new knowledge from the outside can be added.

Based on this, the SEC/N value proposition has been defined as:

***You don't need to be a Capital City, to do a major difference.
Join the SmartEnCity Network and become a Smart Zero Carbon City frontrunner.***

During the initial 12 months, the SEC/N-group has been focused on the following activities:

- Creating a SEC/N value proposition
- Defining a five step Network strategy
- Organizing the Network launch meeting in Tartu on 1. June 2016
- Communicating the Network and its launch
- Establishing a Network homepage
- Promotional activities across Europe
- Launching a sequence of Network webinars
- Signing up for new Network members
- Preparing for the Network meeting in Lecce on 22. February 2017
- University research regarding successful Zero Carbon transition
- Structural forward looking issues to be addressed

In 2016, it was communicated that EU aims at potentially integrating the existing 7 Light house City project into one Network. The SEC/N-group has joined the process and participated in the associated joint meetings and promoted the special needs of small and medium sized cities and municipalities. As one size Network might not fill all.

The SEC/N-group will continue to grow the Network by adding more member and more content (Deliverables) from the SEC-project.

1 Introduction

Establishing the SmartEnCity Network (SEC/N) is an important and integrated part of the SmartEnCity project, especially for the large-scale replication of the systemic approach demonstrated. And it is integrated, as the SEC network connect the findings in the SEC light house and follower cities with the ambitions and need for similar systemic transitions in all small and medium sized cities across Europe, which is the main focus of the SEC/N target group.

However, establishing the Network before the SEC project has delivered substantial results, is a major challenge, like building the rails as the train is driving.

During the initial 12 months, several activities have been initiated to establish a robust SEC/N platform. This task 8.1 report will provide a status for establishing and operating the SEC Network.

In 2016, it was communicated that EU aim at potentially integrating the existing 7 Light house City project into one Network. The SEC/N-group has joined the process and participated in the associated joint meetings. However, our preliminary conclusion is that one European SCC-Network will not fit all cities across Europe, unless it specifically addresses the needs, opportunities and challenges associated with Europe's small and medium sized cities, so there is still a need for a EU SEC/N Network. Which could be potentially integrated in the joint SCC-Network as its vision evolves into an integrated one.

1.1 Purpose and target group

Objectives from SEC Grant agreement

The D8.1 deliverable forms the basis for a successful replication of the SmartEnCity learnings and results as described by the SEC WP8 objectives:

The objective of SEC WP8 is to ensure the successful and large scale replication of systemic approach demonstrated in project lighthouse cities towards urban transformations into sustainable, smart and resource-efficient urban environments in Europe. The specific objective is to develop sound framework for effective replication to happen in the rest of the lighthouse city districts, in the follower cities but accordingly to enhance the possible replication of demonstration solutions and innovative business models on much wider scale through developed community of interest (Smart Cities Network).

The main result of WP8 is the development of high quality and future oriented Integrated Urban Plans (IUP) for each partner city, either lighthouse or follower, which implementation is ensured and backed up by the realistic and high quality Replication Roadmap incorporating the lessons learned from the demonstration activities. While using the methods and tools of SmartEnCity regeneration strategy developed commonly in WP2, supporting successful integrated planning and replication will lead to socially accepted replication projects in the follower cities and within the Smart Cities Network.

The successful implementation of WP8 is framed by SmartEnCity regeneration strategy developed in WP2, closely related to the outcomes of WP7 and successful replication and



knowledge transfer is importantly supported and enhanced by the Exploitation, Dissemination & Communication activities of WP9.

Scope of task 8.1 work from the SEC Grant Agreement

The framework and ambition of D8.1 is described in the application for task 8.1 as to create an additional cluster of cities besides official follower cities willing to deploy and replicate the project solutions, having access to the knowhow and results of the project and a privileged contact with the project's partners. This will create a community of like-minded cities and more wide scale and successful replication of project results.

Participating in the Smart Cities Network will bring together cities and communities interested in designing and implementing their own district-scale refurbishment and integrated ICT and mobility strategies, provide guidance and advice based on the experiences of flagship cities implementing district-wide renovation and integration of sustainable energy technologies.

Participating in the network will give these cities a privileged access to sound replication plans, financing formulas, technology insights and proven experiences. Several knowledge and learning opportunities are delivered to these cities to learn about district focused solutions, meeting experienced partners for future EU projects and increasing their visibility and skills set.

All participating cities will have an access to the knowledge and results created by the project, to develop or modify their own Smart City Integrated Urban Development Plan or Smart Community Strategies.

Description of specific task 8.1 activities:

The task 8.1 activities consist of the following described activities (from the SEC-application):

- **Establishing a Smart Cities Network homepage within the main project page**, other project dissemination and communication activities developed in WP9. This will facilitate the Smart Cities community building through updated information, blog activities, sharing experiences and materials and information specifically made easy to reach considering the expectations of the Smart Cities Network members.
- **Participation in the dissemination, exchange and promotion activities** and using all dissemination and exploitation channels of the project for featuring the city (see WP9).
- **Participation and access to project training seminars, webinars and conferences** (see WP9).
- **Participation in technical study tours in the lighthouse cities** and possibly in other defined demo sites to gather extensive hands on experience of retrofitting technologies and strategies, urban mobility solutions and ICT opportunities to integrate the solutions as well as effective community and stakeholder engagement methodologies.
- **Delivery of smart city replication toolbox** (see also task 8.2) for developing IUPs for the Smart Cities Network participants. group.
- **A series of local level stakeholder capacity building workshops (10)** for aligning local conditions to methodologies to guide the evolution towards 100% RES Smart City and Smart



community. The aim is to involve 400-500 participants with these workshops around Europe and reach to minimum 15 new Smart City Integrated Urban Development Plan or Smart Community Strategy development processes within the Smart Cities Network by the end of the project.

- **Organizing yearly Smart Cities Network conference** within the framework of SmartEnCity project for exchanging the project progress, used methodologies, deployed solutions etc. and for attracting new members to the community.
- **Continuous analysis and evaluation of the operation of the Smart Cities Network** and compilation of the Report of Outcomes of the Smart Cities Network Activities and future continuity plan of the network.

Several knowledge transfer activities have been planned in WP9 (especially task 9.3) which will interlink the lighthouse and follower cities with the Smart Cities Network and provide a platform for knowledge-transfer of best practices between these - focusing on exploitable products, services and processes.

This task 8.1 report will provide a status for establishing and operating the SEC Network.

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
TEC	Review of deliverable
ZERO	Overall content to sections 1, 2, 3
IBS	Review of deliverable
AAU	Review of deliverable
DAPP	Review of deliverable

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 and that should be considered along with this document for further understanding of its contents.

Deliverable Number	Main deliverables - name & deadline	Contributions
D2.x	D2.3 New business models, procurement schemes and financing mechanisms for smart city projects (M06) D2.4 City needs and baseline definition process and methods (M06) D2.5 Integrated management models for large scale Smart City transformation projects (M09) D2.6 Citizen Engagement Strategy and deployment plan (M12) D2.7 Integrated and systemic SmartEnCity urban generation strategy (M18, M45)	These deliverables provide the basic understanding of the city transformation processes
D3.x (V-G), D4.x (Tartu), D5.x (Sonderborg)	Dx.1 XXX baseline Diagnosis and baseline (M09) Dx.2 XXX Integrated planning report (M18) Dx.3 XXX Building retrofitting interventions completed (M36) Dx.4 XXX District heating & cooling Network deployed and in use (M36) Dx.5 XXX EV charging infrastructure and in operation (M36) Dx.x XXX Gas busses purchased and in operation (M36) Dx.x XXX ICT infrastructure and CIOP (M42) Dx.x XXX Citizen engagement and replication (M42) Dx.x XXX Demo intervention summary report (M42) XXX is Vitoria-Gasteiz, Tartu respectively Sonderborg.	These deliverables provide the Lighthouse demonstration platforms and learnings to be exposed during the technical study tours to lighthouse cities
D6.x	D6.2 CIOP architecture generic implementation (M12) D6.5 Designing guide and tool catalogue (M21) D6.6 Strategies for added value services and tool catalogue (M21)	These deliverables provide understanding of the data and ICT infrastructure to be exposed during the technical study tours to lighthouse cities
D7.x	D7.2 KPIs definition (M06) D7.4 City impact evaluation procedure (M12) D7.9 Data collection approach (M18)	These deliverables provide the deeper understanding of how progress can be monitored and evaluated at city level
D8.2	D8.2 Replication Toolkit (M12, M66)	This deliverable will use the SmartEnCity Network as the base for introduction of the Replication Toolkit and Framework
D8.3	D8.3 Foresight and evaluation of the usage of the methodology in individual cities (M48)	This deliverable will use the SmartEnCity Network as the base for discussing the results of the participative foresight in individual cities

D8.6	D8.6 Updated IUPs for each LH and follower city (M60)	This deliverable will use the SmartEnCity Network as the base for transfer of lighthouse results and knowledge to follower cities, Network cities, European communities
D8.7	D8.7 Report of widening the scope of replication knowledge through Smart Cities Network and several European platforms (M60)	This deliverable will use the SmartEnCity Network as the base for exchange of information and scoping the Replication Roadmaps
D8.10	D8.10 Replication Roadmap for each lighthouse and follower city (M66)	This deliverable will use the SmartEnCity Network as the base for exchange of information and scoping the Replication Roadmaps
D9.x	These reports are confidential and only for members of the Consortium and the Commission.	These deliverables will interact and use the SmartEnCity Network for dissemination, exploitation and communication

Table 3: Relation to other activities in the project

2 Objectives and expected Impact

2.1 Objective

The initial 12 months in task 8.1 has been focused on establishing a robust joint platform for recruiting cities to the SEC/N, to secure interested cities for a large-scale replication of the systemic approach demonstrated in the SmartEnCity project.

2.2 Expected Impact of the SmartEnCity Network

The expected impact of the initial 12 month of work in task 8.1 is a platform for

- Further recruitment of motivated cities and city-networks
- Sharing knowledge and learnings among the Network members including Network meetings, technical study tours, training seminars etc.
- Delivery of smart city replication toolbox in M18
- Capacity building workshops and webinars for 400 – 500 participants
- Selection of cities for 15 Smart City Integrated Urban Development Plan or Smart Community Strategy Development processes

Task leader has been ZERO in close cooperation with the following involved partners IBS, TEC, AAU, PLAN, DAPP, SEZ and partly SEC.

Activities created in D8.1, 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.

3 Task 8.1 The Smart Cities Network

This chapter will provide a specific description of the overall approach, what has been taken, implemented and results achieved in task 8.1 during the initial 12-month period of the SmartEnCity project.

The description will follow the sequence in which the actions have been implemented.

3.1 Creating a SEC/N value proposition

The SmartEnCity approach addresses mainly small and medium sized cities (up to app. 300,000 inhabitants) across Europe, without any lower limit.

The small and medium sized cities will be the focus of the SEC/N, however if larger cities show interest, they are welcome to join the SmartEnCity Network.

City network members should have an approved SEAP (Sustainable Energy Action Plan) and comply with the following statements/ambitions:

- **Zero Carbon** is our ambition and final goal
- We engage citizens, but **citizen participation** is core for achieving our goals
- The **integrated approach** is how we plan, engage and implement across city sectors including mobility, energy and ICT based **solutions**. **Integrated Urban Plans (IUP)** is an important outcome of the planning process and form the base for implementation.
- **Action oriented**, as we are impatient to implement the IUP's and see the results
- **Focused on growth in Quality of life** - less pollution and a better health, interesting new work places, stronger personal and city economy. And to be less dependent on import of fuels and thus **able to** decide upon our own everyday life.
- **Sharing and Replication** to other cities, with respect for their own situation and values, will document the quality of our solutions and approach.

Based on feedback from conferences and cities, the integrated approaches (and especially transportation) seem to be a major challenge for the small and medium sized cities.

Based on this, the following SEC/N value proposition was created:

We enable 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.

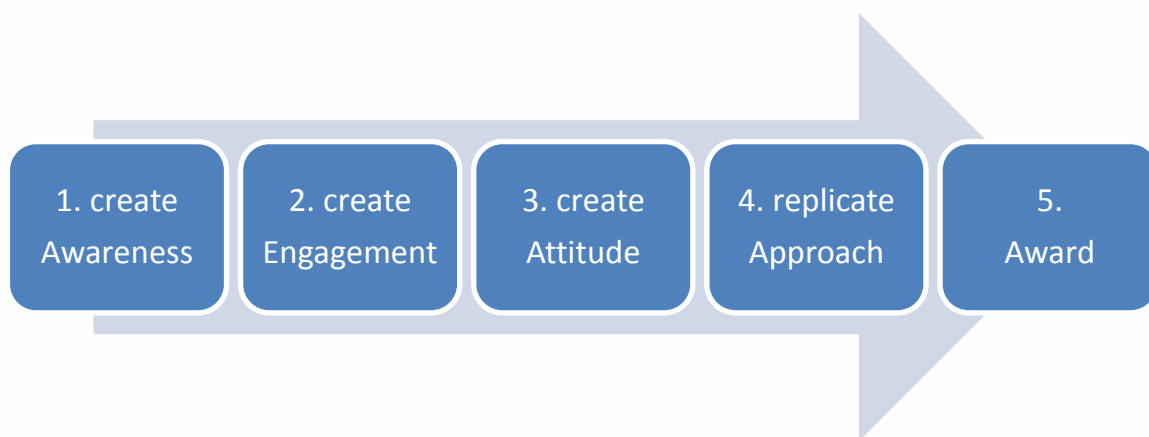
We offer the network honest proven experiences, inspirational cases, integrated approach insights, knowledge sharing, tools and learnings from the three SmartEnCity Lighthouse projects including utilities and industrial partners, our two followers and 15+ Network cities.



***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.***

3.2 Defining a five step SmartEnCity Network strategy

The following five step model was created 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.



3.2.1 Level 1: Create awareness among the 8,000 SEAP cities across Europe of the existence of the SmartEnCity Network

- We do:
 - create website and use (own) LinkedIn profile to promote the Network
 - create and offer SEC/N webinars and store them in the SEC/N library
 - promote the Network by all means – articles, conferences, webinars etc.
 - engage with existing LinkedIn discussion groups
 - engage with relevant SEAP city networks and other regional, national and across Europe networks
 - engage relevant cities involved in other EU projects
 - create visibility of registered (participating) Network cities
- Participants do:
 - sign up on the website and fill in the SEC/N CIF questionnaire
 - follow and participate in our website, webinars, LinkedIn etc. communication
 - communicate the Network and its value proposition and creation to other cities

3.2.2 Level 2: Create engagement by sharing knowledge, using tools and attending webinars, workshops & conferences

- We do:
 - deposit news, schedules and information on the SEC/N website and on relevant LinkedIn discussion groups,
 - collect information from SEC partners on the previous experience, actions and proposals for webinar content
 - continue organizing webinars sharing knowledge among the network members,
 - update the list of city participating members and visualize it on the main area of our website,
 - collect information from city members on their previous experience and current needs and display them on the project website
 - create and moderate a LinkedIn discussion group ...
 - work with other city network to speed up the learning and release synergies
- Participants do:
 - follow, study and join discussions, provide basic information on their previous experience and current need, share experience with own own actions through webinars

3.2.3 Level 3: Create attitude and commitment by recognizing the SmartEnCity Network as a trusted and preferred partner/network

- We do:
 - use other medias to communicate our approach, solutions, results and impact
 - provide and disseminate quality support documents to the network (toolbox, guidelines, training material, tips)
 - engage SmartEnCity urban and technical experts in the discussions
 - start recruiting the 15+ replication cities from the Network to adapt our approach, solutions, toolbox etc.
- Participants do:
 - strengthen their commitment by attending Network webinars, seminars, conferences
 - involving further city stakeholders (experts) to share their experience
 - bring in own experts for knowledge transfer and possibly co-creation
 - initiate new Smart Zero Carbon City discussions on their own etc.
 - create desire for replication using the Smart Zero Carbon City approach, solutions, toolbox etc.

3.2.4 Level 4: Replicate our approach, solutions and toolbox based on desire and actions

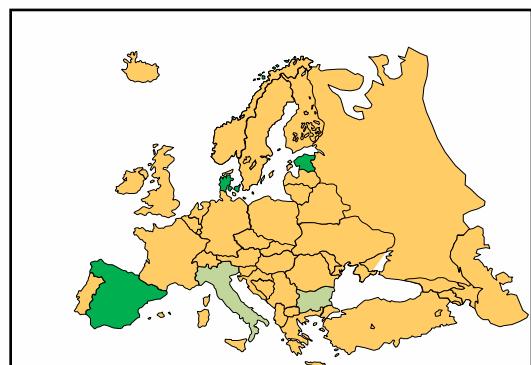
- We do:
 - offer the task 8.2 toolkit and expert coach to create Integrated Urban Plans (IUP's) for participating cities supported by expert experience.
 - select the 15+ replication cities
 - support and coach the selected cities using our knowledge and toolbox
 - motivate selected cities to implement their IUP's
- Participants do:
 - show commitment to develop and implement Integrated Urban Action Plans (IUAPs) specifying what, where, when, who and sign up for coaching by SmartEnCity partners
 - use toolbox, coaching and own conditions to develop their own IUP
 - start implementing their Integrated Urban Plan

3.2.5 Level 5: Award implementation actions taken for the 15+ network cities

- We do:
 - promote the network cities, their approaches, solutions, IUP, results and impact
 - disseminate results and speed up communication using websites, LinkedIn, webinars etc.
 - award best practices within the Network
 - maintain the Network communication
- Participants do:
 - continue implementing their IUP's
 - support the promotion by active participation in the Network-activities and storytelling
 - recruit new Network member and the expansion of the Network

All members will join the first level and levels (for participating cities) will progress during the projects 5-year's timeline – as more content will develop and participants will expand their participation.

However, the ambition is to ramp up fast to 200 Network participants by the end of M24 to secure good results by a robust level 4 & 5 replication, when the task 8.2 toolkit is ready and when SmartEnCity results and solutions are ready to be demonstrated.

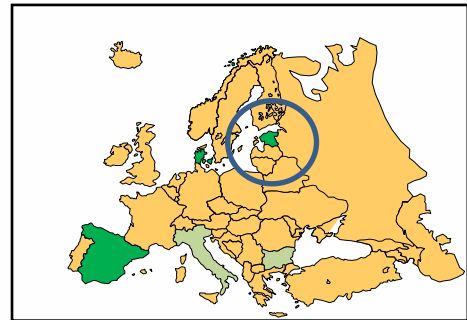


Managing the Network will require more structure and set-up than originally expected. For preliminary thoughts, have a look at section 3.12 of this Report. The challenges and issues will be further discussed in M13+.

3.3 Organizing the SEC/N launch seminar in Tartu

The SEC/N launch seminar took place in Tartu on 1. June 2016. It was organized as part of a conference organized by Tartu city and Smart City Lab (also partner in SmartEnCity project), “Smart City for the Citizens” and together with the first SmartEnCity Steering Committee meeting.

Almost 30 people participated, including invited city guests from Kaunas, Turku, Ventspils and SEC participants from Sonderborg, Vitoria-Gasteiz, Asenovgrad and Tartu.



The aim of the seminar was to discuss what member cities would expect from the SmartEnCity Network and how to move forward with planning and implementing the SEC/N network activities.

Short presentations about the current smart city developments were made by Sonderborg (Lighthouse city), Kaunas, Ventspils and Turku:

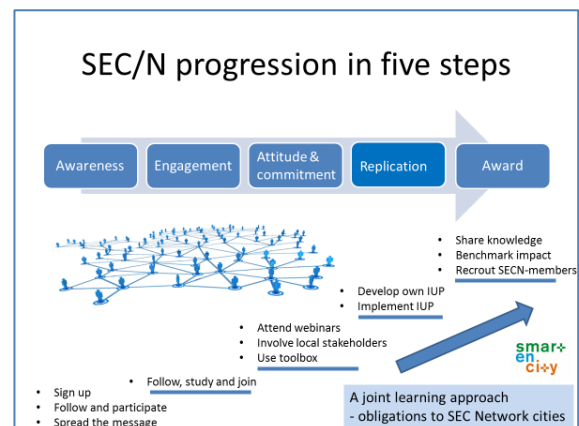
- Sonderborg (75.000 citizens) focused on its ProjectZero ZEROcarbon initiative, strategic energy planning and coordination, actions implemented, monitoring impact and stressed the importance of stakeholder participation;
- Kaunas (300.000 citizens) focused on smart transport, LED street lights and the quality of life and talked about the 7 billion € to be invested in low-carbon Lithuania (mainly EU Structural Funds);
- Ventspils (40.000 citizens) focused on ICT driven roadmaps, smart technologies and smart metering solutions in homes;
- Turku (180.000 citizens) focused on new smart districts, district heating networks and city's investment plans and introduced the goal of reaching carbon neutrality by 2040.



ZERO, introduced the SEC/N value proposition – to enable cities across Europe to become smart zero-carbon city frontrunners. The focus is on the ZEROcarbon vision, citizen participation, integrated solutions, action-orientation, economic growth and replication. The SmartEnCity partners offer honest experience, inspirational cases, integrated approach insights, knowledge sharing and tools.

Issues discussed with other city representatives included:

- How to secure investments (huge amounts to be invested in energy transition, network members might not find extensive support);
- How to build on SEAPs (need to think how to get cities from SEC/N strategy stage 1 into the following stages and how to support them);
- How to define an appropriate city size in the SEC/N (city size and country context matters, different challenges, huge potential also of cities below 100K);
- How to define a common SEC/N language (incl. definitions, smart city, ICT, stakeholders, actions);
- How to secure a long-term impact of the created knowledge and support structures.



Ventspils Deputy Director for ICT issues, presenting Ventspils' challenges and approach to SmartCities at the SEC/N launch seminar in Tartu on June 1st 2016

Decisions made in this launch seminar included:

- SEC/N will consider taking a sectorial approach in providing know-how and tools for the network members (e.g. district heating, building retrofitting, transportation, PV as separate topics, enables to involve more relevant stakeholders).
- SEAP and Covenant of Mayors are existing strong structures to build upon
- SEC/N will set up support structures for the network members (definitions, website content, materials, toolbox etc.).
- Supporting structures need to be addressed further
- SEC/N launches the press release and that was sent out by the end of June 2016 to partners, media contacts and other stakeholders.



In conclusion, the Network discussions and feedback given, confirmed a strong interest and need for sharing challenges and experiences among first mover transition smart cities, as transition investments are considerable high and so are the risk of making wrong decisions.

This confirmed the SEC/N value proposition.

3.4 Communicating the SEC/N and its launch

After the Tartu launch-meeting, a SEC/N press-release was distributed to national press agencies in the SEC partner countries. See Annex A1 for the distributed press-release.

3.5 Establishing a Smart Cities Network homepage

The SEC/N website was launched by SEZ in September 2016. The SEC/N website is established as part of the main SEC-website: www.SmartEnCity.eu, but it can also be accessed directly using the www.SmartEnCityNetwork.eu domain-name.

The SEC/N website allows interested cities to learn about the Network and sign up for membership. Based on the request, the city will receive a **City Information Form** requesting basic information about the city plus information about city interests,



strengths etc. within the SEC systemic parameters.

A temporary SEC/N website was developed by ZERO in the early summer 2016 to secure that interested Cities could be serviced with relevant SEC/N information. The preliminary website also served as a role model for building the existing website.

3.6 Continued and smart promotion of the SEC Network – using other networks as multipliers

The SEC partners have actively promoted the SEC/N at national and international conferences, magazines etc. including the following dissemination events:

- ERRIN Smart Cities Working Group presentation, Brussels (Belgium), February 2016
- Smart Denmark, vision workshop in Copenhagen, March 2016
- Urban Habitat RIS3 Basque Country Conference, Bilbao (Spain), April 2016
- The CITIES steering committee, Denmark Technical University, May 2016
- “Forum PA” network and events (Italy), May 2016
- Genova Smart week (Italy), May 2016
- Smart Cities 2.0 in Berlin (Germany), June 2016
- Workshop on “Evaluation and Decision Support Tools for sustainable renovation of urban districts” organized within the projects ITACA and FASUDIR (Italy), July 2016
- The Arendal Week in Norway, August 2016
- SmartEnCity article in the Danish KTC magazine, September 2016
- The KTC conference Smart Cities & Societies in Sonderborg (Denmark), October 2016
- Nordic Edge Smart City conference, Stavanger (Norway), October 2016
- Building sustainability SGBC16 World Congress in Stockholm, October 2016
- Smart City Event “Mindtrek” in Tampere (Finland), October 2016
- “Smart City Exhibition” in Bologna (Italy), October 2016
- The Lviv ECO Forum (Ukraine), October 2016
- The ZEROkonferenzen in Oslo (Norway), November 2016
- Smart City Expo World Congress, Barcelona (Spain), November 2016
- The Chinese NDRC National Development and Reform Commission, meeting in Sonderborg, November 2016



Peter Rathje, ZERO, presented the SEC/N at the Lviv ECO Forum in Ukraine and met with the Lviv Mayor, Mr. Andriy Sadovyi (to the right), together with the Danish ambassador to Ukraine (Mr. Christian Dons Christensen) to discuss, how Lviv can participate in the SEC/N. During the meeting, Mr. Andriy Sadovyi expressed his strong interest in Lviv joining the Network. Lviv has app. 750.000 citizens and approved their SEAP in 2012.

For a complete list of SEC/N dissemination activities, please visit EMDESK: implementation => Reporting => Dissemination.

The SEC/N promotion activity will continue and several SEC/N promotion presentations at conferences during 2017 are already scheduled.

Smart City-recruitment – using networks as multipliers

Municipalities are in many cases already members of local, regional or national climate initiatives. And in many cases, these networks have a need for new knowledge and discussions, or network have been terminated, as they were part of no longer existing projects and the associated cities have been left alone.

The strategy is therefore, to expand the SEC/N Network by recruiting relevant networks, which share the SEC/N value proposition. The CELSIUS Network, having 60 member cities, is such an example of a network, that have signed up for joining the SEC/N conditioned that district heating will be actively promoted by SEC/N.



However, we need to consider the risk watering down the essence in SEC/N if we move too fast bringing in large groups of cities with own agendas. The cities therefore, must comply with the SEC/N value proposition.

It is important to create a strong backbone of the core network. Probably 15+ cities, becoming “pioneers”, which we trust will move and invest resources into the SEC agenda. These 15 strong cities (cases) investing resources in SEC/N, will automatically generate interest from other cities.



Existing city networks, like EnergyCities, across Europe have been identified. The next step is to associate them with the SEC Network by testing the value proposition. Same process is being tested together with the EU SCC1 Network, where also small and medium sized cities are members.

3.7 Launching a sequence of SEC Network webinars

Webinars are considered part of WP9. However, a SEC/N webinar strategy has been developed as part of task 8.1 to create content and ramp up a burning platform for the SEC/N recruitment; much before the SEC project will be able to deliver content from the Lighthouse- and Follower cities.

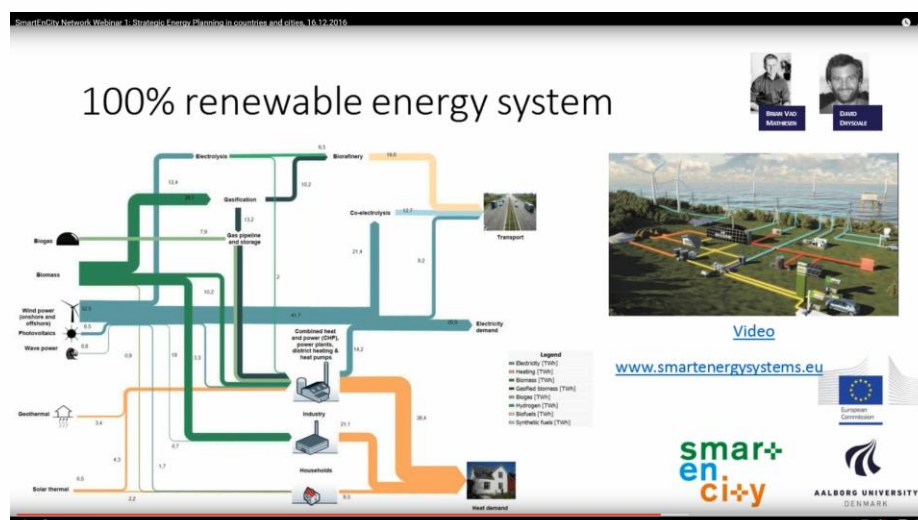
The SEC/N webinar launch package include 5 webinars to be launched starting in December 2016 and ending in May 2017. The webinars address systemic/application subjects combined with city cases – based on case-cities from the SEC/N.

Each webinar will follow the below agenda and last max 1 hour:

Welcome by webinar host	2-3 minutes
Short intro to scope	5 minutes
Content/purpose	20 minutes
2-3 cases/examples by case owners	20 minutes
Q&A	10 minutes
Conclusions	2-3 minutes

The webinars will be recorded and made available for download for SEC/N-members.

The first webinar took place on 16. December 2016. Organized by AAU, the webinar focused on Strategic Energy planning in countries and cities.



The SEC/N webinar #1 can be reviewed using this link:

<http://smartencity.eu/publications/webinars/>

More than 60 persons from 15 countries registered for the initial webinar, which reflect interest for the network and the webinars from the outside.

The next webinar is scheduled on 8. February 2017, facilitated by PLAN it will focus on: Facilitating Energy transition at city level.

The following three webinars will focus on

- buildings
- transportation
- citizen engagement

All webinars will be recorded and stored in the SEC/N webinar library, which can be accessed and reviewed from the SEC/N website.

The SEC/N webinar concept is viewed to be a valuable and productive tool to share knowledge, document; disseminate new findings/results and recruit new Network members.

3.8 Signing up for new SEC/N members

New interested cities can sign up for membership of the SEC Network using the SEC/N website and the described procedure.

The following cities have so far signed up for the SEC/N using the SEC/N website:

City name	Country	Contact person
Berlin	Germany	Angel Reichelt, Architect
Peja	Kosovo	Mr. Durim Sheremeti, Chief of Mayors Cabinet
Greifswald	Germany	Mr. Stephan Braun, Climate Protection Officer
Lviv	Ukraine	Mr. Ivan Korzhov, head of IT-department, Lviv City council
Tirana	Albania	Ms. Diana Mile, director of sustainability department, Tirana Municipality
Kaunas	Lithuania	Mr. James McGeever, Chief-specialist
Veszprem	Hungary	Ms. Borbala Barabas, Strategic manager

Also, the CELSIUS network has signed a SEC/N partnership agreement, which is expected to generate multiple Network city participants.

An active recruitment of further cities continues also through personal city contacts (e.g. friendship cities) of the Lighthouse and Follower cities. The next campaign is planned during



and after the first wider SEC/N Network meeting in Lecce, Italy by February 2017. For more information, see below.

3.9 LECCE Network meeting (Event) on 22. February 2017

Network members can be inspired and share knowledge taking active part in the SEC/N webinar-activity or they can join annual workshop meetings.

The launch SmartEnCity Network meeting took, as described in chapter 3.3, place in Tartu on 1. June 2016.

The next SEC/N meeting is scheduled to take place in the Follower city Lecce on 22. February 2017.



Apart from network members (including lighthouse and follower cities), attention is given to Italian cities and other cities in the Mediterranean region interested in the Smart City topics.



The agenda for the Network Event in Lecce is divided into two main sessions: the “Seminar” morning session and the “Roundtables” afternoon session. The main topics, which will be dealt with, are energy and smart buildings, smart urban mobility and ICT solutions for Smart Cities. In the afternoon session, 15 Italian Municipalities and 5 European foreign Municipalities will join the roundtables, and share their experiences within the Smart City fields.

Soon other local Municipalities, architects, engineers and urban planners will be invited to attend the event. An audience of around 100 people is expected. D’Appolonia (DAPP) and Lecce Municipality (LECC) are responsible for the agenda, invitations to be distributed and the organization and execution of the Network Event.

Invited city guests and speakers will be compensated for their travelling and hotel cost.

For more information about the SEC/N meeting in Lecce, please study the poster in annex A2 and the agenda for the SEC/N Lecce meeting in annex A3.

3.10 Zero Carbon transition in cities - what seems to work

AAU will as part of a PhD project, study best case zero-carbon smart city practice. The study will investigate how countries and cities aim to deliver zero-carbon smart city outcomes by looking at their goals, how the networks have been initiated, and how they operate and function over time to achieve the goals.

The research may utilize some case cities from some countries that are useful demonstrations of successful outcomes. This analysis will illustrate how the countries can achieve the successes that they are aiming for and through the results of this analysis, the useful methods that can be replicated in the SmartEnCity network will be highlighted.



3.11 Scope of work for next 12 months (M13-M24)

The goal for M24 is to achieve 200 city members of the SmartEnCity Network.

In task 8.2 Replication Toolkit will be provided by M18 in SmartEnCity project which gives the framework and strategy for replication in SmartEnCity, procedure, guidelines and examples of the main steps to be taken in each individual replication plan of the cities. Format and tools for replication, describes the target groups for sectoral solutions, channels for replication etc. in synergy with SEC/N strategy and value proposition and dissemination and exploitation plan of SmartEnCity.

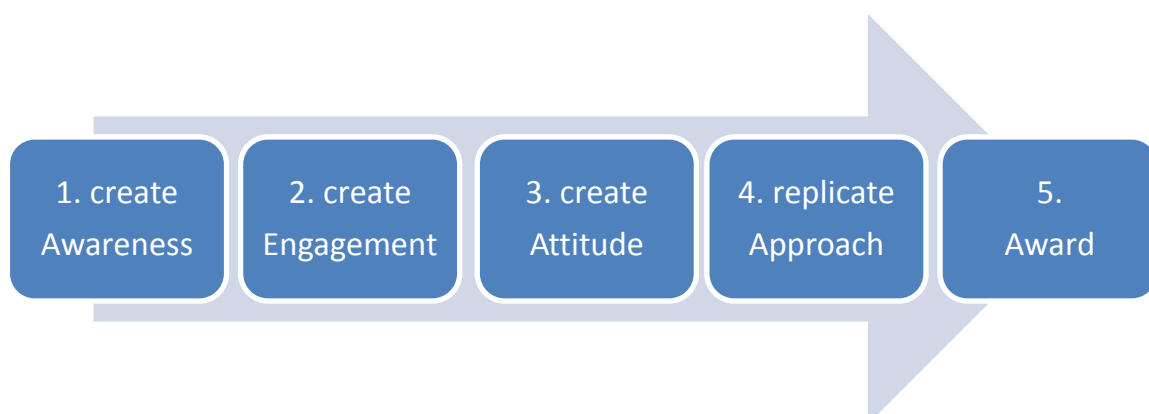
This will also serve as one of the key means to intensify recruitment and to provide added value for the SEC/N members - as the toolbox will be offering several further activities that help to build commitment.

Coordination with other EU SCC projects based on two bigger joint events (one scheduled for Sonderborg) is expected to generate more small and medium sized member cities to the SEC/N.

The above described already taken and implemented actions, will serve as the platform for implementing the SEC Network strategy as described in chapter 3.2.

During M13-M24, the focus will be on

- scaling up the network members by using city network as multipliers
- engagement by interactions and participation,
- moving the initial network members into attitude by deepening the discussions
- creating a better self-supporting and servicing website
- taking active part in the public discussions on Twitter, LinkedIn
- start sharing the learnings from SEC with the Network members



3.12 Other forward looking issues to be addressed

Managing the Network require more structure and set-up than originally expected.

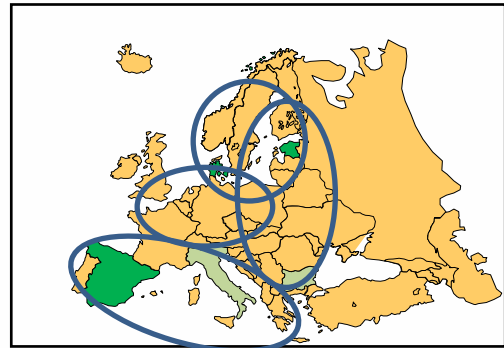
Part of the forward-looking actions are to examine how a more regional Network structure across Europe can be established, to secure stronger synergies from cities/countries with similar (planning/construction) traditions, language, culture working together in sub-networks.

The sub-regional structure could be segmented into

- A Nordic or Baltic Sea sub region
- A Mediterranean sub region
- A central Europe sub region
- An Eastern European sub region

There also seems to be an increasing need for creating a Network administer-function, to secure that Network relevant information is frequently updated, available and to secure that members are directed to the website, webinars by newsletters, email etc.

These challenges and structural discussions regarding the SEC/N, will be shared with the EU SCC integration process, where also the SEC/N-group take active part.



4 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 the plan and implemented everything that was foreseen and consider the outcome in sync with the expectations for M12.



5 Outputs for other WPs

Task 8.1 activities and Deliverable 8.1 are in very close symbioses with task 8.2 Replication Toolbox. The latter depends directly from the SEC/N strategy, value proposition and feedback from the SEC/N members which provides necessary input for further activities and developments in task 8.1.

Annex A1. – SEC/N launch press-release

SEC/N press-release distributed to partners, media-contacts and other stakeholders

SmartEnCity – Towards Smart Zero CO₂ Cities across Europe

29. June 2016

SmartEnCity is a project funded under the European Union's Horizon 2020 research and innovation programme. Under the coordination of Fundación TECNALIA Research & Innovation, 35 partners from 6 countries are working with joint forces on making Smart Zero Carbon Cities a reality in Europe – starting with the three demonstrator cities Vitoria-Gasteiz, Tartu and Sønderborg. During a first workshop in Tartu the project has now launched its network of associated cities.

SmartEnCity aims at developing pan-European replicable strategies to reduce energy demand and maximize renewable energy supply – with a special focus on small and medium sized cities. Actions cover activities in building retrofitting, integrated infrastructures, sustainable mobility and the use of ICT (Information and Communication Technologies).

The SmartEnCity approach will initially be defined in detail, planned and implemented in the **three Lighthouse demonstrators** Vitoria-Gasteiz in Spain, Tartu in Estonia and Sønderborg in Denmark. The process will be replicated in the two **Follower cities** Lecce (Italy) and Asenovgrad (Bulgaria).

“It is our vision to create Smart Zero Carbon Cities that are more sustainable and inclusive, improve citizens' quality of life, create jobs and wealth, and offer growth opportunities in equality”, underlines Francisco Rodríguez Pérez-Curiel, project coordinator of SmartEnCity.

In order to allow a maximum of European cities to learn from the experiences made within the project, a **SmartEnCity Network** of further cities will be set up. This network has now been officially launched in early June 2016 in Tartu (Estonia), where the Lighthouse cities met interested cities from the Baltic Sea region and discussed the Zero Carbon transition interest across borders and the mutual interest in the SmartEnCity Network.

“I am very happy with the response received at the SmartEnCity Network launch session in Tartu. There appears to be a strong city desire for implementing Zero Carbon initiatives and a need for sharing best practice integrated approaches among Europe's many ambitious cities”, says Peter Rathje, responsible project partner for building up the network and CEO of Sønderborg's ProjectZero. He continues with a strong appeal to all Europe's small and medium sized cities: “Join our SmartEnCity Network – you don't have to be a capital city to become a European front runner”.

Information on the SmartEnCity Network: <http://smartencitynetwork.eu>

About SmartEnCity

Grant agreement number:	691883
Duration:	66 months (February 2016 – July 2021)
Coordinator:	Fundación TECNALIA Research & Innovation
Consortium:	35 partners from 6 countries (Bulgaria, Denmark, Estonia, Germany, Italy, Spain)



SmartEnCity receives funding from the European Union's Horizon 2020 Research and Innovation programme.

Contact:

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Annex A2. – LECCE SEC/N meeting



SmartEnCity Project

- ✦ 3 Lighthouse cities: Vitoria-Gasteiz (Spain), Tartu (Estonia), Sønderborg (Denmark)
- ✦ 2 Follower cities: Lecce (Italy), Asenovgrad (Bulgaria)
- ✦ 35 Partners
- ✦ 28M€ funding
- ✦ 5.5 years (02/2016 – 07/2021)

Main objectives

- ✦ To develop a systemic approach for transforming European cities into sustainable, smart and resource-efficient urban environments in Europe.
- ✦ To develop strategies that can be replicated throughout Europe in order to reduce energy demand and maximise renewable energy supply.

www.smartencity.eu

SmartEnCity Network Event 22 February 2017

MUST, Museo Storico Città di Lecce - Via degli Ammirati, 11 - Lecce

MORNING SESSION – “SEMINARS”

Moderator: **Brian Vad Mathiesen**

- ✦ 9:00 **Workshop summary**
Paolo Penone – Mayor of Lecce City
Antonio Decaro – President of ANCI, National Association of Italian Municipalities
Damiano D'Autilia – Councillor of Lecce City
Raffaele Parlangeli – Lecce City
- ✦ 9:20 **Introduction to SmartEnCity Project + Network**
Francisco Rodriguez – Tecnalia, Peter Rathje – ProjectZero, SmartEnCity LH cities
- ✦ 10:00 **Energy and Smart Buildings**
Brian Vad Mathiesen – Aalborg University, Per-Alex Sørensen – PlanEnergy, Margherita Scotti – D'Appolonia S.p.A.
- ✦ 11:00 **Coffe break**
- ✦ 11:20 **Smart Urban Mobility**
Juan Carlos Escudero – Vitoria-Gasteiz City
Sergio Torre – Duferco Energia, Piero Pelizzaro – Milan City
- ✦ 12:20 **ICT for Smart Cities**
Adriana Azzimi – Puglia Region, Urmo Lehtsalu – Telia, Raffaele Parlangeli – Lecce City
- ✦ 13:20 **Afternoon session teaser**
Paolo Testa – Anici
- ✦ 13:25 **Lunch break and networking**

AFTERNOON SESSION – “ROUNDTABLES”

Moderator: **Paolo Testa**

- ✦ 14:30 **Funding opportunities for Public Administrations**
D'Appolonia S.p.A.
- ✦ 14:45 **Feedback SmartEnCity network**
Peter Rathje – ProjectZero
- ✦ 15:00 **1st Roundtable: Energy and Smart Buildings**
Involved Municipalities and SmartEnCity experts – TBC
- ✦ 15:40 **2nd Roundtable: Smart Urban Mobility**
Involved Municipalities and SmartEnCity experts – TBC
- ✦ 16:20 **3th Roundtable: ICT for Smart Cities**
Involved Municipalities and SmartEnCity experts – TBC
- ✦ 17:00 **Wrap up “Aperitivo” and networking**

*‘You do not have to be a capital city
to make a major difference’*



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



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691883



Annex A3. – agenda for SEC/N Meeting in LECCE

2. Network Event Agenda

Module	Time	Topics	Presentations	Speakers
Welcome	09:00-09:20	Briefing of workshop purpose and introduction to who is in the room		Lecce City
Morning session “Seminars” Moderator: Brian Vad Mathiesen	9:20-10:00	Introduction to SmartEnCity project + Network		Francisco Rodríguez – Tecnalia Peter Rathje – ProjectZero SmartEnCity LH cities
	10:00-11:00	Energy and Smart Buildings	Energy urban planning (20 min.)	Brian Vad Mathiesen – Aalborg University
			Barriers and solutions for district energy in Southern Europe (20 min.)	Per-Alex Sorensen – PlanEnergi
			Energy renovation of buildings (20 min.)	Margherita Scotto – D’Appolonia S.p.A.
	11:00-11:20	Coffee break		
	11:20-12:20	Smart Urban Mobility	Mobility urban planning (20 min.)	Juan Carlos Escudero – Vitoria-Gasteiz City
			Recharge stations distribution for electric cars (20 min.)	Sergio Torre – Duferco Energia
			Sharing mobility (20 min.)	Piero Pelizzaro – Milan City
	12:20-13:20	ICT for Smart Cities	Developing Smart Urban Spaces (20 min.)	Adriana Agrimi – Apulia Region
			ICT services for smart cities and smart homes (20 min.)	Urmo Lehtsalu – Telia
			Open data platform: Lecce Municipality case study (20 min.)	Lecce City
13:20-13:25	Afternoon session teaser		Paolo Testa – Anci	
Lunch	13:25-14:30	Lunch break and networking		
Afternoon session “Roundtables and open discussions” Moderator: Paolo Testa	14:30-14:45	Funding opportunities for Public Administrations		D’Appolonia S.p.A.
	14:45-15:00	Feedback SmartEnCity network		Peter Rathje – ProjectZero
	15:00-15:40	1st Roundtable: Energy and Smart Buildings	Involved Municipalities and SmartEnCity experts - TBC	
	15:40-16:20	2nd Roundtable: Smart Urban Mobility	Involved Municipalities and SmartEnCity experts - TBC	
	16:20-17:00	3th Roundtable: ICT for Smart Cities	Involved Municipalities and SmartEnCity experts - TBC	
	17:00-18:00	Wrap up ”Aperitivo” and networking		