



# smar+ en. ci+y

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

*You don't have to be a capital city  
to make a major difference.*

## SmartEnCity Conference Week

4. – 6. October 2017

Sonderborg, Denmark

SCC Smart Cities & Communities  
Lighthouse and Follower cities  
SmartEnCity Network and SmartEnCity project



## Cities are created to serve the citizens' needs

Cities are challenged by rapid growth, climate changes, job fluctuations and technological disruptions. However, ambitious cities can in a collaborative manner tackle these challenges and unlock new green growth opportunities.

Technology solutions, citizen participation and policies that consider disruptions become key elements for cities to evolve into resource efficient and safe living & working places.

There is a need to act now – what are we waiting for?

**Sonderborg and SmartEnCity Network invite ambitious mayors, city council members, urban planners, climate project managers, advisors, green solution providers, scientists, students, NGOs and all other people interested in creating smart and liveable cities to join the**

### **100% Climate Neutrality conference at Alstion, Sonderborg**

– this year with a special focus on cities in a world of disruptions.

The key note speakers **Wednesday morning**, will address the important role of cities, technology solutions, the green job creation and the political framework. The speakers will share their comprehensive experience from the C40 network of cities, COP21 in Paris, triple helix cooperation, workers' unions, pension funds and how national policy can be disrupted. The panel discussion will allow Mayors and the conference participants to discuss how cities can speed up the transition toward Smart Cities.

The afternoon workshop will present best practice Smart City user-cases and allow an open discussion about what makes a city smart. Is it all about technology, or what is the role of people, or is it something else?



The **Thursday morning** workshop will address the need and challenges of the Smart Cities and Communities follower cities. Cities will express their needs and explain what challenges they are facing to develop their ideas. The participants will reflect, narrow down conclusions and

prepare for the EU SCC Supply side workshop in Brussels – scheduled early 2018.

Thursday afternoon will allow the participants to experience a SmartEnCity site tour in the Sonderborg area, focused on Biogas busses and e-mobility, green district heating and building energy retrofit with citizen participation.

The social events Wednesday and Thursday evening will allow the participants to relax, enjoy, share ideas and create new networks.

**Join the 100% Climate Neutrality conference in Sonderborg and be inspired to continue your City Transition Journey as a citizen, a mayor, a city council member, a solution provider, a scientist, a climate project manager, a student, a NGO, as well as all other interested people and organisations.**



## Overview of Sonderborg



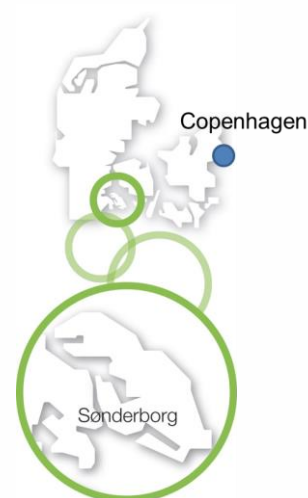
Sonderborg Municipality is beautifully located near the Baltic Sea in the south of Denmark, only 45 km from the Danish/German border. Driving distance from Copenhagen is 330 km and from Hamburg only 200 km.

You will enjoy visiting Sonderborg, as you might be a visitor interested in conferences, nature, music, concerts at the Alision concert hall, exploring the 1864 history at Dybbol, etc. You

might be a businessman visiting one of Sonderborg's many high-tech companies including Danfoss and Linak. If you are a student, studying at the Southern Denmark University campus Alision in Sonderborg, you could enjoy and have a good time together with Sonderborg's international students from more than 60 countries.

Sonderborg municipality has 76,000 citizens and 497 km<sup>2</sup> land. Majority of the land is located on the island of Als, the remaining part on Continental Europe.

Sonderborg is well connected including bridges, ferries, a highway, train-connection, the Sonderborg airport (SGD) with 5 daily connecting flights to Copenhagen. Bikes can be rented; public transport is fuelled by biogas and we have plenty of e-charging stations for your electrical car.



Sonderborg aims at ZERO carbon transition by 2029. The ProjectZero vision is anchored in a public private partnership initiated in 2007. Sonderborg achieved the European Commission's Energy Community Award in 2010, became part of the Clinton Climate Initiative in 2011 (today C40 CPDP) and created

in 2015 the EU H2020 SmartEnCity project in partnership with Vitoria-Gasteiz, Tartu, Lecce and Asenovgrad. Sonderborg and its enterprises have a strong city energy & climate cooperation with several cities including ones in China.

Sonderborg's history goes back 850 years, where the city was part of the Danish/German Schleswig region, being part of the kingdom of Denmark. The big battle between Denmark, Prussia and Austria took place in Sonderborg in 1864. Many lives were lost and Sonderborg became German until 1920, where the "north Schleswig" region was reunited with Denmark.







Today there is a strong cooperation in all aspects across the border. The Climate Neutrality conference is just one important example.



## 1. SmartEnCity Conference Week 2017 – Sonderborg

Overview of the week 4. – 6. October 2017:

	Wednesday 04/10/2017	Thursday 05/10/2017	Friday 06/10/2017
Morning	<b>100% Climate Neutrality SDU Conference</b> Special focus: Smart & inclusive cities in a world of disruptions	<b>Workshop</b> <b>SCC Follower cities needs and challenges</b>	<b>SCC1 Clustering Meeting</b>
Afternoon	<b>Workshop</b> <i>What makes a city Smart?</i>	<b>Organized demo tour</b>	
Evening	Dinner at the Sonderborg Castle for guests and City Council	"Our land" - Folk music concert in the "Comwell teatersalen" 19.30 – 22.30	

	<b>Follower Cities / SmartEnCity OPEN events</b>
	<b>Joint SCC1 event</b>
	<b>Climate conference Event</b>
	<b>Social event</b>

The EU Follower-cities and SmartEnCity Network workshop is an integrated part of the cross-border 100% Climate Neutrality 2017 conference, which this year is focused on SmartCities.

The 100% Climate Neutrality 2017 conference is organized by the University of Southern Denmark, campus Alsion/Sonderborg, in close cooperation with cross-border (Denmark/Germany), national, regional and local stakeholders and financially supported by local supporters.

Learn more about the entire conference here: [www.climateneutral.eu](http://www.climateneutral.eu).

**Please register for these events through the [Registration site](#).**

Accommodation information and special fees are available on the registration site

A detailed description of the SmartEnCity conference events will follow on the next pages.



## SmartCities in a disruptive world

### – key note speeches and policy debate

**Timing:** Wednesday 4. October at 9:30 – 13.30

**Location:** Alsion, the Concert hall

**#participants:** 200+

**Organizer:** Katharina Rubahn, SDU

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This year's 100% Climate Neutrality conference at Alsion has a special focus on cities in a world of disruptions.

***Technology solutions, citizen participation and policies that consider disruptions become key elements for cities to evolve into resource efficient and safe living & working places.***

Join the 100% Climate Neutrality conference and be inspired to continue your City Transition Journey – either as a citizen, a mayor, a city council member, a solution provider, a scientist or an NGO ...

### Key note program

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**Short introduction and welcome speeches**, Alsion Concert Hall,  
(3 presidents of SDU, EUF, HF) – Mayor of Sonderborg

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#### **Key note speeches addressing specific topics and disruption**

##### **How Realdania and C40 is taking strong leads in transitioning the Cities of tomorrow**

- Jesper Nygaard, CEO Realdania philanthropy and former C40 board member

##### **The new disruptive technologies and solutions**

- Carsten Orth Gaarn Larsen, CEO of the Danish Clean Cluster

##### **The importance of creating new jobs and businesses in a collaborative way**

- Per Christensen, Chairman 3F, United Federation of Danish Workers

##### **The political frame for ambitious cities**

- Prof. Günther Bachmann, German Council for sustainable development, advisor to the German Government
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### Coffee break

Panel Discussion, Concert Hall:

### How cities have taken the lead and become the new drivers

The presenters + 4 Mayors (Flensburg, Sonderborg, Aalborg, Tirana) + Youth/student voices

### Key Note Speakers



#### **Jesper Nygaard, CEO of Realdania**

Since 2013 CEO of Realdania (a modern philanthropy foundation). Until 2016 board member of the C40 Cities Climate Leadership Group and co-organizer of the COP21's Mayors meeting in Paris 2015.



#### **Carsten Orth Gaarn-Larsen, CEO CLEAN Cluster Denmark**

CEO at the CLEAN Cluster since 2016 and former CEO of the Danish National Advanced Technology Foundation. CLEAN is a cleantech cluster based in Denmark with the mission to accelerate the green and sustainable transition. Its aim is the transition to sustainable green energy.



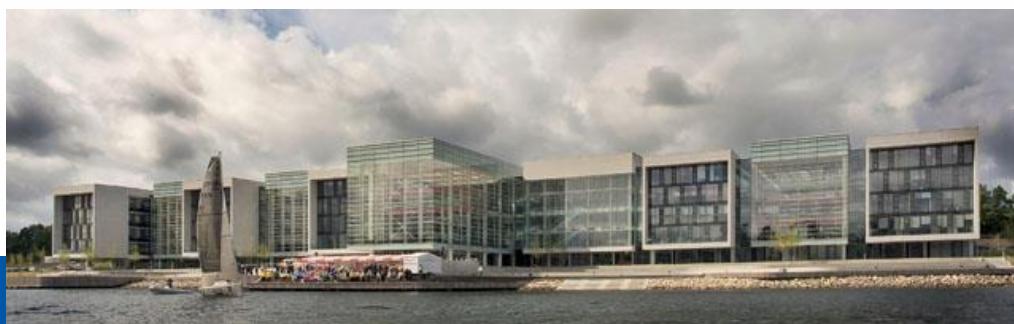
#### **Per Christensen, President of the United Federation of Danish Workers**

Since 2013, President of the United Federation of Danish Workers (3F), the largest trade union in Denmark. Deeply involved in how the climate challenge can be turned into a green job creation opportunity, Danish pension fund and banks.



#### **Professor Dr. Werner Brinker**

**Honary Professor at the University of Oldenburg.** Former chairman of the Executive Board of EWE AG, the 5th biggest energy supplier in Germany. Former chairman of the board of the 'Forum für Zukunftsenergien' in Berlin.



## SmartEnCity Network workshop

### – What makes a city smart?

Timing: Wednesday 4. October at 15.00 – 18.00

Location: Alsion, Alsion Concert hall

Participants: Follower cities, Network cities, Municipalities in the Southern Denmark Region, Scientists, Students

Moderator: tbc

The workshop will present cases from smart city transition at different aggregation levels and technology dimensions:

- The smart and integrated energy system approach - presented by Energinet.dk
  - district heating, green gas, green power
- The big ICT picture presented by Telia, Estonia
- Inspiring **best practice cases** from real life
  - Citizens and households
  - Supermarkets and company cases
  - Transportation
  - District heating systems – Goteborg case study
  - Best practice from smart city planning & transition
- Where is the current University research focus?
- What is the business perspective?
  - Danfoss case

Participants will come from cities, business, the academic world etc.



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## SCC Follower city & SmartEnCity Network workshop

### What is the need and challenges of the follower cities?

Timing:	Thursday 5. October at 09:00 – 13:30
Location:	Alsion, U109
Participants:	SCC follower cities, network cities and local municipalities in the Southern Denmark Region
Organizer:	PlanEnergi
Moderator:	Per Alex Sorensen, PlanEnergi & SmartEnCity partner

#### Workshop agenda:

- Welcome and introduction to the EU Smart Cities & Communities
  - The role of the SCC-projects and the obligations of the SCC follower-cities
- Follower cities express their needs and explain what challenges they are facing to develop their ideas
  - Follower cities express their visions, actions, needs and challenges in the transition process towards a smart city with zero or low carbon emissions
  - What is required to continue the city journey?
- Coffee break
- Thematic discussion in smaller groups – segmented approach
  - From needs to solutions
  - From challenges to competence and progress
- Joint presentation and discussion
  - Recommendations to the “supply side” workshop in Brussels
- Next step actions

**The workshop conclusions will provide valuable insights for the SCC1 “supply side discussion” workshop scheduled early 2018 in Brussels.**





## Site tour Sonderborg (by bus)

### SmartEnCity

<b>Timing:</b>	<b>Thursday 5. October at 14:30 – 18:00</b>
<b>Location:</b>	<b>the busses will depart from Alsion</b>
<b>Participants:</b>	<b>Guests from workshops and conference</b>
<b>Organizer:</b>	<b>Iben Nielsen, SONFOR</b>

The SmartEnCity site tour will allow you to learn more about Sonderborg's SmartEnCity demonstration projects:

- **Biogas busses and e-mobility**
  - Biogas charging facility
  - How biking and e-mobility is integrated in the public transportation
  - Learnings, challenges
- **Green district heating**
  - Strategic energy planning as the basis for heat planning
  - Heating from multiple sources
  - Learnings, challenges
- **Building energy retrofit with citizen participation**
  - SØBO house association
  - Energy retrofit – energy savings and PV production
  - How citizens have been engaged
  - Observations, learnings, challenges

During the tour, we will stop at demo-locations and discuss with engaged stakeholders.

One or more of the new (biogas)busses will be transporting the visitors.



## SCC1 Clustering meeting

<b>Timing:</b>	<b>Friday 6. October at 9:00 – 13:30</b>
<b>Location:</b>	<b>Alsion, U109</b>
<b>Participants:</b>	<b>Partners from the ongoing 9 SCC1 projects, esp. those involved in coordination/ task groups.</b>
<b>Organizer:</b>	<b>Peter Rathje, Iben Nielsen, Francisco Rodriguez</b>

This meeting is aimed at continuing the clustering activities among the 9 SCC Lighthouse Projects. Specific working tables have been organized for the ongoing task groups on Business models, joint D&C, and joint replication.

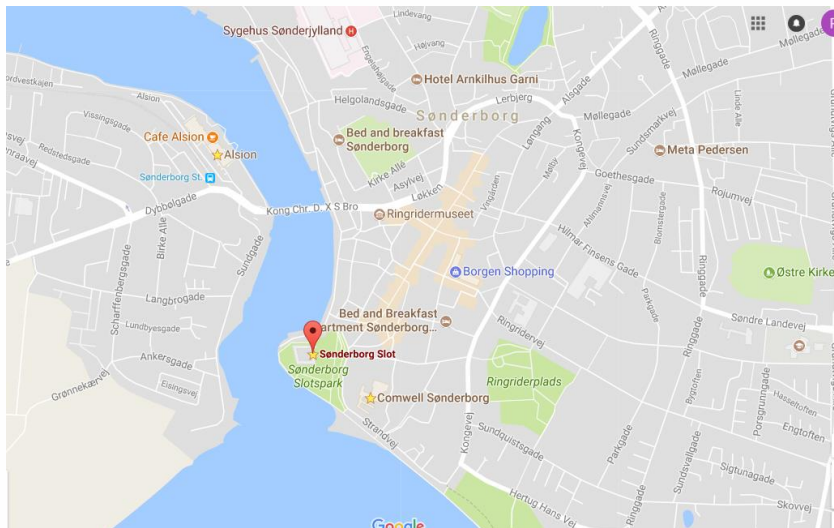
### Meeting agenda:

Start 9:00	<b>Welcome, agenda review and session introductions,</b>
9:00 – 9:30	Francisco Rodríguez, SmartEnCity Coordinator
<b>Parallel Task Group sessions:</b>	
	<u>Coordinators meeting</u>
	Chair: Francisco Rodríguez (SmartEnCity)
	<u>Business Models</u>
	Chair: Graham Colclough (Sharing Cities)
	<u>Replication</u>
	Chair: Alanus von Radecki (Triangulum)
9:30 – 11:00	<u>D&amp;C</u>
	Chair: Lena Ohlig (SmartEnCity)
11:00 - 11:30	<b>Coffee Break</b>
11.30 - 12.30	<b>Presentation of Results from the Parallel Sessions</b>
	<b>Conclusions and decision on next steps</b>
12:30 – 13:00	Francisco Rodríguez
13:00 – 14:00	<b>Networking Lunch and end of Meeting</b>



## 2. Main locations of the SmartEnCity Conference Week

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Alsion, Alsion 2, DK-6400 Sønderborg, Denmark

Sønderborg Castle, Sønderbro 1, DK-6400 Sønderborg

Sønderborg Theater, Strandvej 1, DK-6400 Sønderborg

Hotel Comwell, Strandvej 1, DK-6400 Sønderborg

## 3. How to get to Sønderborg?

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- **Sønderborg train station** – connects with Copenhagen and CPH-airport
- **Sønderborg Airport (SGD)**, is 8 km away from Alsion and the COMWELL hotel.
- Other airports are
  - **Billund (BLL)** is 140 km away
  - **Hamburg (HAM)** is 200 km away
  - **Copenhagen (CPH)** is 330 km away

Flying to/from Hamburg and renting a car (and driving the 200 km from HAM to Sønderborg) might be a good flexible and inexpensive alternative to flying via Copenhagen.

## 4. Suggested accommodations

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### Nearby (city) hotels:

Comwell – business hotel in walking distance to Alsion and the Castle

Hotel Garni Sonderborg – family driven old hotel in walking distance

Hotel Bella Italia – new luxury hotel in the center of city

Hotel 6400 – new renovated (budget) hotel in 3-4 km distance to Alsion

Scandic hotel – business

**We suggest you use the hotels listed on the registration-site, as the list is updated with availability and discounted prices.**

**Please register for these events through the [Registration site](#).**

Accommodation information and special fees are available on the registration site

Please make your hotel reservations in time to secure availability and minimum distance to the conference location.

Shuttle-busses will be organized for morning pick-up (from hotel) to Alsion and afternoon delivery (back to hotel).

