

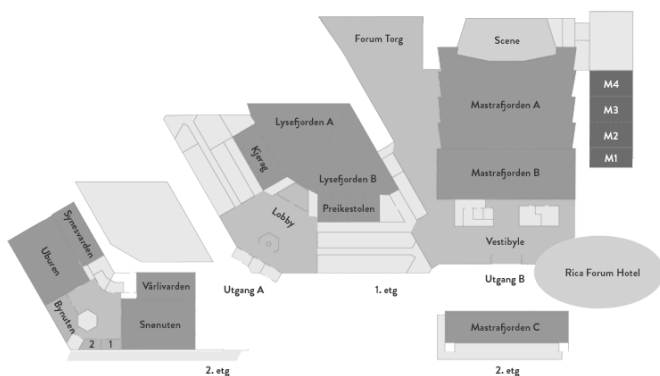
Municipality Tools for reaching Smart Energy Communities

Panel debate invitation

When & Where:

When: 25 September 2019 at 14:30 – 16:00

Where: Nordic Edge Expo, Conference Centre
1st floor, room «Lysefjorden B»



Program:

Presentation of PI-SEC results:

PI-SEC Planning Wheel &
PI-SEC Scenario Calculator

Panel debate:

1. *How can we reach holistic visions? Silo-thinking break-down vs increased complexity of Smart Cities Planning*
2. *What are the current challenges and crossroads for integrated urban energy planning?*
3. *Who has the responsibility to implement and monitor? How to combine environmental, social and economic sustainability in big scale energy transitions on city level.*

BACKGROUND

“Planning Instruments for Smart Energy Communities” (PI-SEC) is a Norwegian research project being carried out in the period April 2016 to October 2019. It is funded by the Research Council of Norway and aims to develop effective planning tools for the integration of energy issues at community level.

Design thinking, transformative and comparable to action research, is a complex method as it not only involves researchers being immersed in their field work; they must also take a reflective examination of what they are doing. Thus, researchers from NTNU and SINTEF have participated in ongoing processes in the municipalities related to development of plans, tools and documents related to the case studies, including secondments/ internships, interviews with stakeholders, testing of tools/approaches and document analysis to coordinate tacit and explicit knowledge.

On the 25th of September at the Nordic Edge Expo, we will mark the end of this project with a presentation of our developed tools and a Panel debate, where we will discuss the following.

- 1) How can we reach holistic visions? How can we plan good neighborhoods that include energy planning, despite the sectorized thinking and the competing conflicts in smart energy city planning?
- 2) What are the current challenges and crossroads for integrated urban energy planning? Power structures are being challenged from EU policy level and this is becoming visible on a local level and how integrated energy planning happens. Roles are changing and market actors including utility companies are repositioning themselves under the emission reduction agenda. Example: Currently, we see growing conflicts between traditional actors such as district heating companies and actors choosing individual energy certificate increasing the silo-thinking.
- 3) 3) Who has the responsibility to implement and monitor? We have the technical possibility to follow up climate targets on a detailed level, still no one holds this responsibility in the typical municipality. What is the reason for this, and what is missing to accomplish this? Discuss Climate targets responsibilities on a regional level

Participants represent Bergen and Oslo municipality, industry and researchers. The PI-SEC Team will ensure this debate is monitored professionally and the outcome to be brought forward in related research topics.

Welcome!

The PI-SEC Team

www.ntnu.edu/smartcities/pi-sec



PANEL



Brita Fladvad Nielsen – *Speaker*

Postdoctoral Fellow, PI-SEC Planning wheel.
Norwegian University of Science & Technology

Brita has been the lead researcher in PI-SEC for the Work Package 2. Her in-depth investigation and analysis have resulted in the PI-SEC Planning Wheel, which has been tested within several pilot projects.



Synne Krekling Lien – *Speaker*

Civil Engineer, PI-SEC Scenario Calculator.
SINTEF

With her background from Civil Engineering, Synne has contributed to the development and testing of the PI-SEC Scenario Calculator and the Guidance leaflet.



Savis Gohari – *Moderator*

Researcher, Smart Cities, Norwegian University of Science and Technology (NTNU)

In PI-SEC, Savis collaborated in investigating essential parameters for moving towards smart and sustainable energy use in Norwegian cities.



Dirk Ahlers – *Panelist*

Senior Researcher & Project Manager
+CityxChange, Norwegian University of Science & Technology

Dirk is a senior researcher and project manager of [+CityxChange](#). He has a background in Computer Science and has insight in energy transition, implementation and citizens engagement.



Elisabeth Sørheim – *Panelist*

Climate and Energy Advisor - Climate & Environment, Bergen Municipality

Zero Village Bergen is one of the two cases in the PI-SEC Project and Elisabeth has represented Bergen expertly to identify needs for the development and testing of the PI-SEC tools.



PI-SEC

PLANNING INSTRUMENTS FOR SMART ENERGY COMMUNITIES



Helene Egeland – *Panelist*

Senior architect, Program Car-free Urbanisation, City development & Governance, Oslo municipality

Helene has been a very valuable representative sharing experiences from the FME ZEN Furuset Pilot Project, another case in PI-SEC. Her expertise has been key for the tool development.



Henrik Madsen – *Panelist*

Section Head and Professor in Stochastic Dynamical Systems, Technical University of Denmark (DTU)

The PI-SEC Project has had the benefit of having four external experts in their Advisory Board. Henrik has been valuable for ensuring the quality of the research and will have the role as external expert in the debate.



Karen Byskov Lindberg – *Panelist*

Senior Research Scientist, Buildings and Installations, SINTEF Community

The PI-SEC Scenario Calculator has been tested and presented in both public and private energy/planning sectors. Karen has contributed to this vital phase.



Sondre Leonhardsen – *Panelist*

Project Manager Energy and Sustainability, Technical Department, Kjeldsberg Eiendomsforvaltning AS

Sondre has solid experience in energy and environmental management. Kjeldsberg AS is transforming the area Sluppen in Trondheim from an industrialized area to a livable community, as part of the +CityxChange Lighthouse project.

Please be advised that this session is accessible to everyone with a Nordic Edge entrance pass. If you do not have this already, you may [purchase directly on the Nordic Edge website](#).

Main project partners:



Cooperation partners & experts:



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