

Planning Instruments for Smart Energy Communities

Experience Sharing Seminar in Trondheim 10-11.1.2018

The aim of this 2-days experience sharing dialogue was to discuss on how to impact the community vision through energy ambitious pilot projects. During the seminar municipalities of Gothenburg (Sweden), Bergen, Oslo and Trondheim gave us insights on how they take tackle different issues as climate mitigation and adaptation, at the same time taking citizen perspective into account when planning for Smart Energy Communities. The house was full with planners from different Norwegian municipalities, researchers from NTNU and SINTEF, representatives from energy companies and enthusiastic students.



Energy Design Game –illustrative way to ease up the dialogue between different stakeholders

Energy Design Game has been developed by Danish researchers with the aim to make planners, decision makers and other relevant stakeholders more acknowledged about the challenges and choices they have in different phases of the development. The game helps to open up the variety of different stakeholders that can also change over time depending on the planning stage. As its bests, the design game helps to make the long-term visions into reality by realizing the reachable goals, or by finding ways of making unreachable goals more realistic. During the seminar, the participants got a chance to play the game in the team. For more information, check [the presentation of Vickey Aagesen](#), one of the game-developers from Kuben Management, Denmark.



Design game can help the municipalities to see the case from multiple perspectives

The seminar was organized in HABITAT, co-working space in the center of Trondheim.

The house was full of engaged people from many disciplines and backgrounds varying from urban and energy planning in both public institutions and private consulting companies.



ClimateSmart Planning –examples from Norway

Both municipalities of [Oslo](#), [Bergen](#) and [Trondheim](#) gave us insights on how they take climate mitigation and adaptation into account in their planning. Blue-green infrastructure, sustainable mobility, transportation hubs, and innovative solutions were common keywords for all the municipalities. The ambitious projects such as Furuset, a neighborhood in Oslo was highlighted as good examples on how climate resiliency can go hand in hand with high quality public spaces. [Pilot areas in Trondheim \(Saupstad forbildeprosjekt\)](#) was also presented as a good example of how to coordinate with multiple stakeholders.

Visions from Sweden –Angered in Gothenburg

Gothenburg municipality on their side, have experiences with large processes to systematize [integrated energy planning \(Step Up\)](#) and to make sustainable mobility plans. Gothenburg, as a second largest city in Sweden, has a rich cultural life, but it is also one of the most segregated cities in Sweden. Social sustainability and integration is high on the cities agenda. The area of Hammarkullen is located in Angered, one of ten city districts in Gothenburg, northeast of downtown. Angered is verified, with agricultural landscapes, and large housing areas as part of the Swedish "Million homes program" from the late 1960s to early 1970s. They also participate in [EU Guggle](#) in order to improve a neighborhood that needs a social upgrade. Gothenburg city planners explain that they are now looking for tools and approaches that can ensure holistic measurement of whether a project process has had impact on the visions that the involved stakeholders had of this community or neighbourhood from the beginning. See further insights from [the presentation](#).

All the presentations can be found from [here](#). For more information, contact one of the main organizers [Brita Nielsen](#).