

CELSIUS Summit 2017: The Power of Networks

Messages of importance in round-table discussions



Citizen engagement and pricing

Moderated by Bengt Göran Dalman, BG Dalman AB

- A lower price than the alternative is important; poverty is a problem
- Acceptance demands a strong commitment from both the government and city council
- Long term contracts without changes is a problem today and it will grow in the future

Seasonal and short-term thermal storage and solar DH

Moderated by Håkan Andersson, Skanska and Torsten Luetten, SavoSolar

- It is important to clarify possible ways to store energy: as electricity, as rotational energy, as chemical energy, as pressure, as heat
- It is also important to explore the time frame of storage; if it is for hours, days or months
- It is valuable to find activities that has an impact on decarbonising heat supplies

Network planning, connecting heat producers and CHP

Moderated by Lars Larsson, Borlänge Energi AB and Lars Bern, Business Region Gothenburg

- Leak detention to identify losses are important in the UK due to cost of energy and energy poverty. At the same time, the house standards are driven by fuel/energy prices
- Cost-effectiveness in low-temperature systems for new systems
- It is important to establish functional business models for prosumers, to answer what price is right of excess heat, and who invests in the infrastructure
- Price is the driver rather than CO₂ when it comes to waste heat; CO₂ taxes can be beneficial
- Reliability of supply; one reason why excess heat is not priced as prime energy

District Cooling

Moderated by Bernt Andersson, Golden Forest and Anna Svernlöv, Göteborg Energi AB

- Society infrastructure investment: system perspective is needed
- Pricing policy for waste energy: variable over seasons for absorption chiller implementation
- Technical solutions vary depending on local conditions, free cooling, waste heat etc
- Challenge to phase out refrigerants

Smart Home Field Test, Cologne

Moderated by Thorsten Schneiders and Simon Rehm, University of Applied Sciences of Cologne

- Interface between technology and news is of utmost importance
- The human factor is a strong influence and it is difficult to communicate
- We need to know more about the underlying behaviours of the heat consumers and see how we can provide suitable technical solutions

Circular energy/economy and investments

Moderated by Andy van den Dobbelsteen, TU Delft and Lars Holmquist, Göteborg Energi AB

- How to export Swedish know-how
- Where are the decisions made to heat houses, cities, regions
- There is a great value in the DH infrastructure
- There is a difference in how to approach building new systems and developing existing ones