

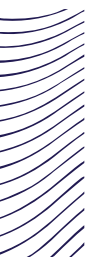
IEA EBC Annex 84 Demand Management of Buildings in Thermal Networks

Webinar on

***Local Strategies for Demand Management of
Buildings in Thermal Networks***

September, 23, 2020





Program

9:00 – 9:10	Welcome & Introduction
9:10 – 9:40	Germany / <i>Anna Kallert, Fraunhofer IEE & Clemens Felsmann, TUDresden & Tobias Schrag, THI</i>
9:40 – 10:10	Singapore / <i>Jimeno Fonseca, Singapore-ETH Centre</i>
10:10 – 10:30	Break
10:30 – 11:00	Denmark / <i>Anna Marszal-Pomianowska, AAU and Steffen Petersen, AU</i>
11:00 – 11:30	Italy / <i>Elisa Guelpa & Vittorio Verda, Politecnico di Torino</i>

Point of departure

1. Energy consumption in buildings

In 2017, **64%** of final energy consumption in the residential sector is used for **space heating** and global energy needs for **space cooling** are set to **triple** by 2050. In Iceland, Denmark, Lithuania, Estonia, Sweden, Finland and Northern China around **50% of building stock** is connected to district heating/cooling network (DHC Net)

2. Urbanisation

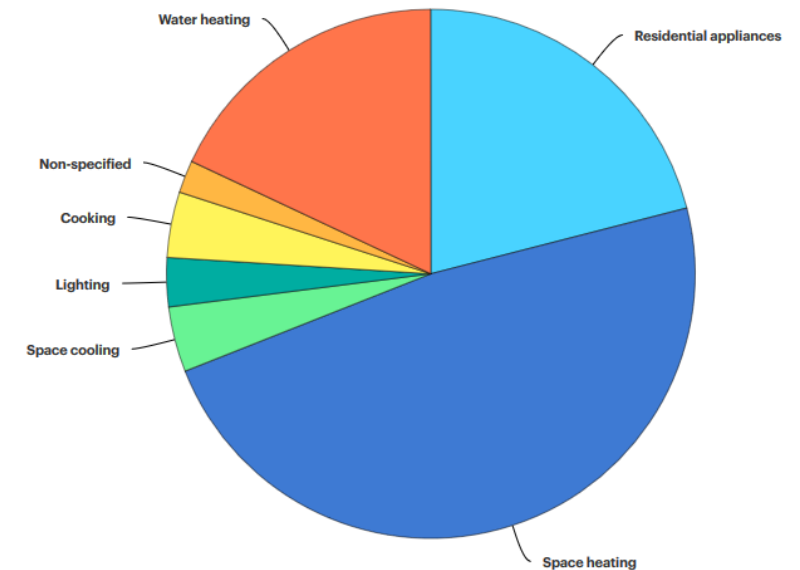
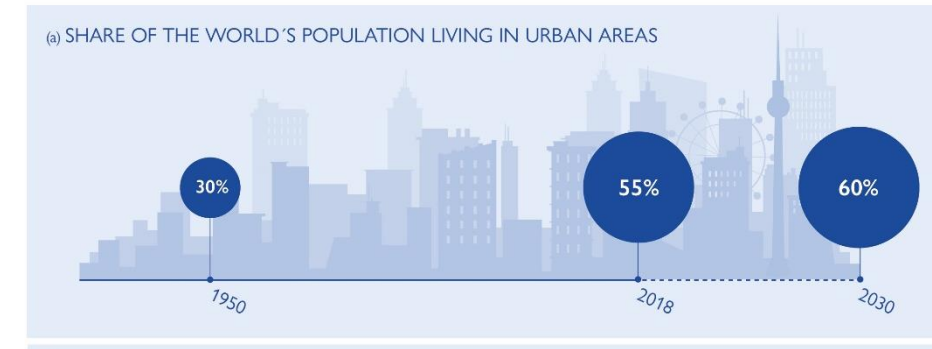
3. Buildings role in transition towards fossil-free society.

Buildings are capable of offering flexibility to the power grid by smart control of their demands. Yet, the connection point between building and utility, the impact of individual building and thereby the operational challenges of DHC Nets differ from the power grids.

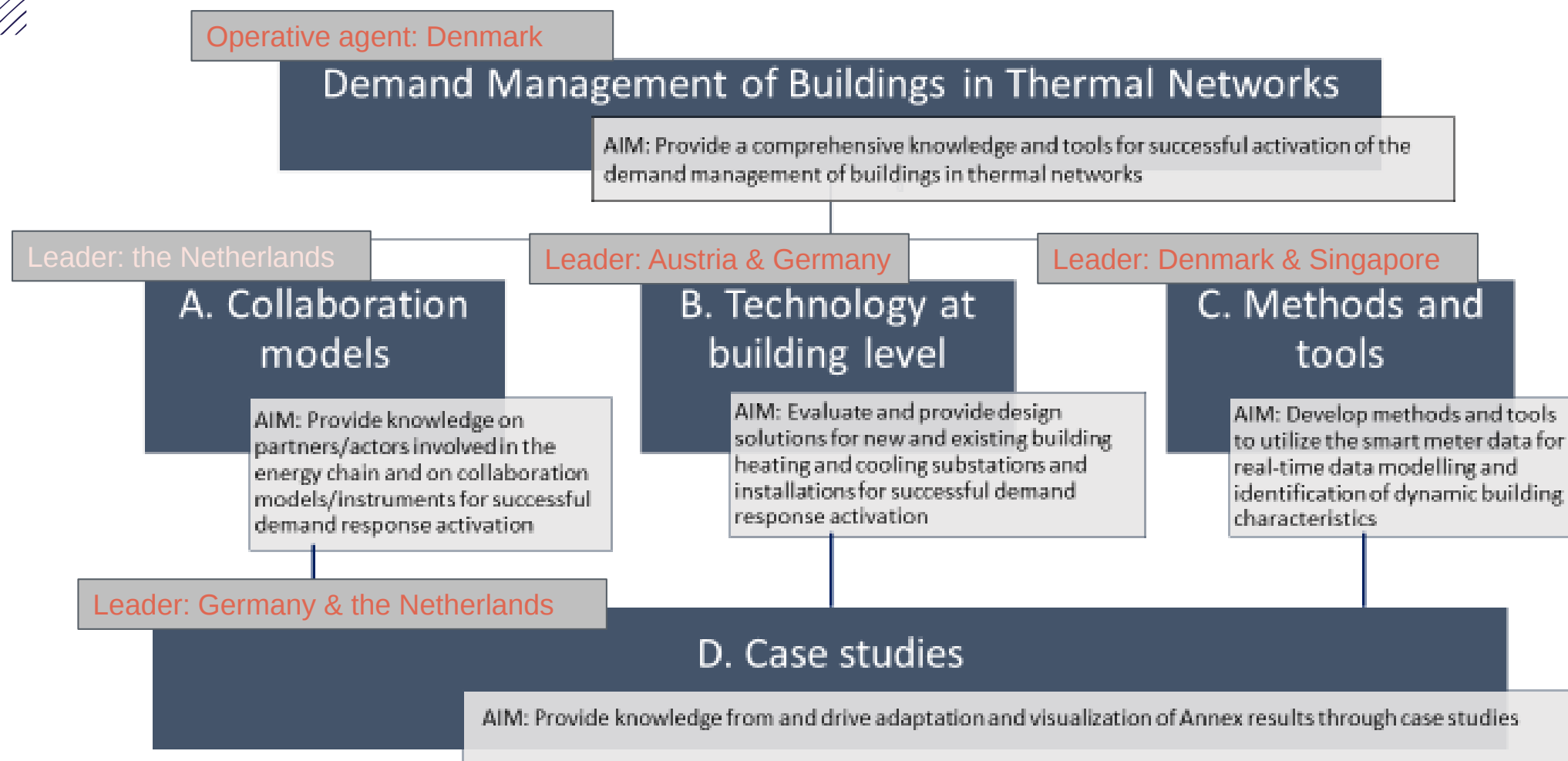
4. Final users/customers engagement

OECD or EU and emphasize that engagement of occupants, customers, users must be parallel to technology development to achieve the decarbonisation milestones.

URBANIZATION AND MIGRATION



IEA EBC Annex84 structure



Timeline for IEA EBC Annex 84



THANK YOU