

Når boligen møter virkeligheten

● **Future of Work & Life** | OBOS Showroom · 1st floor | 14:35–14:45 | 

Part of Hva skjer når normalen slutter å være normal?



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Build robust homes around real people, not perfect assumptions

Mons Alexander Langaard (OBOS Living Lab) presented Oslovinduet, an R&D project testing sun shading and window combinations in occupied apartments. Nordic homes are built to keep heat in, and large windows act as solar collectors, while summers in Eastern Norway are 0.6 °C warmer in the 1991–2020 normal than in 1961–1990. Over one year in nine west-facing apartments, living rooms measured 5× more hours above 26 °C than outdoors: a well-insulated greenhouse. Interviews showed residents trading light, air, view, privacy and control against each other, which led to four paradoxes. Those who air the most are not the coolest, and night airing gave only about 0.75 °C. Daylight is counted in the calculations but then shaded away. Shading comes down after the room is already hot, and automation that denies the spring sun gets switched off.

KEY TAKEAWAYS

- Design for variation: climate, daily rhythm, room use and preferences change.
- Optimise the whole: light, heat, air, view and privacy must be assessed together.
- Preserve autonomy: automate the repetitive, but give residents an override they understand.
- Test theory and models against observed behaviour and needs before choosing a solution.

5×

more hours above 26 °C in
the living room than
outdoors