Housing Organizations using social media in sustainable building operation – 18 cases

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BACKGROUND

- ▶ EU Energy Strategy 2030:
 - ▶ 27% Renewable energy consumption
 - ▶ 40% Cut in Greenhouse gas emissions
 - ▶ 27% Energy savings energy efficiency
- Energy consumption in newly energy renovated homes varies by a factor 2-3 due to residents heating practice. SBI 2015.
- Residents and Operation (local caretakers) + Social Media
 - Temperature
 - Heating regulatory practice
 - Ventilation and use of window valves
 - Neighbourheating



APPROACH

- Project: 4 months august octobre 2015
- Litterature Study social media cases reports
- Qualitative interviews
 - ▶ 20 communications- and operation managers in private and social housing.
- Questionaire
 - ▶ 10 private and 10 social housing companies



Energy- and Operation managers

- ▶ 40-50 % of the residents have unappropriate heating practice
- Indoor climate is a very important issue in residental areas.
- It's not about reducing energy consumption as much as possible - it 's about having a healthy indoor climate.
- We need to find ways for a better dialogue with residents about their heating practice!
- ▶ The local caretakers are key actors in that communication!

Practice Theory

▶ Ted Schatzki, "Social Practices" (1996, 2001)

"A practice is a set of doings and sayings organized by a pool of understandings, a set of rules and a teleoaffective structure".

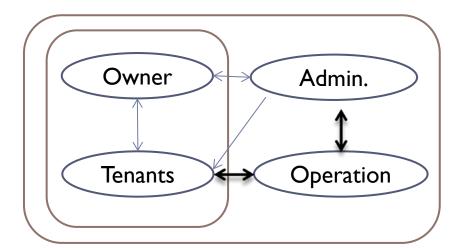
Lave and Wenger, "Communities of Practice" (1991) "It (communities of practice) does imply participation in an activity system about which participants share understandings concerning what they are doing and what that means in their lives and for their communities... A community of practice is a set of relations among persons, activity, and world over time and in relation with other tangential and overlapping communities of practice".



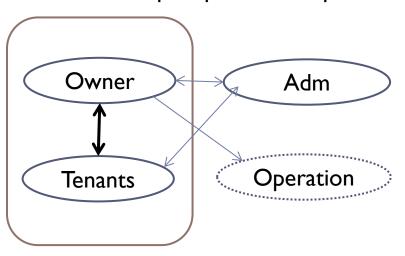
Heating regulatory practice Components	Operation	Residents
Technologies and products	BMS operation and control system Heating system Ventilation system Warm water supply system	Heater and thermostat Programmable thermostat Thermometer Showerhead and thermostat Ventilation valves for fresh air
Know-how and habits	How to manage the BMS. How to measure the consumption. Setting max. temperature Knowledge of heating regulation	How to manage the thermostats? Remove lime scale from the shower thermostat? Close thermostats when windows are open? How to read the heating bill?
Institutionalized knowledge and rules	Heating supply systems BMS management Energy Performance Certificates, EPC	General health advices on heating and moisture etc. Energy labels, green accounting etc. Written advices from the Operation Managers
Engagement	Need feedback from residents Manages resource optimizing	Comfort zone Health Saving money Saving energy

Strategic FM Organizations

Social Housing Organization



Owner occupied private co-ops



Nielsen, S.B., Jensen, P. A, Jensen J. O., DTU, march 2012



What is social media about?

Jeremy Lipschultz, "Social Media Communications, USA 2015: "Social media refers to online communities that are participatory, conversational and fluid. These communities enable members to produce, publish, control, critique, rank and interact with online content."

- Andreas Kaplan & Michael Haenlein, ESCP France:
- Social prescense awareness of the other users
 - Self Presentation profiles, photo, text
 - ▶ Self Disclosure show who I am feelings, history



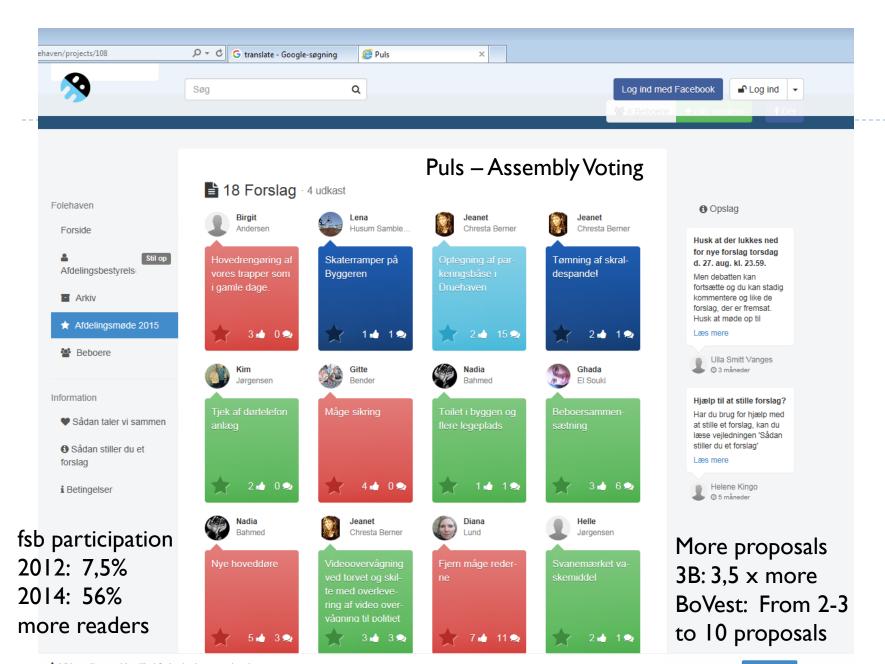
▶ 18 social media cases

- ▶ Apps used in communications 2 Cases
- Apps used in vizualization of energy consumption 8 Cases
- ▶ The use of Facebook 2 cases
- Virtual Communities 3 cases
- ▶ Web pages with social-media features 2 Cases

Virtual Communities

People come together around a shared interest on social media, knowledge sharing and discussions.





▲ Vi benytter cookies til at forbedre brugeroplevelsen.











+ Nyt opslag

♣ Opslagstavle

- Malender
- Markedsplads
- Fotogalleri
- Bestyrelsen
- iii Administrator
- Ejendomsservice



- Beboere
- Fællesfaciliteter
- Beboermappe

MINE GRUPPER

Blænde 8

Delebil Letsgo

Fiskebilen

Følgegruppen "b...

Opslagstavle



Magda Vagi

Møbelhund?

Hej. Jeg har brug for en møbelhund i aften. Er der nogen som ejer sådan en, og vil låner den ud til en halv times tid? Jeg skal flytte en opvaskemaskine fra bilen. Hilsen Magda

Spørgsmål · 17 minutter siden · 💼 0 · 🗩 0 · Kommentér



Helle Nissen

Uddannet frisør?

Har vi en uddannet frisør i huset, som kan/vil klippe et par 6-årige mod betaling?

Spørgsmål · 2 timer siden · i 0 · P 1 · Kommentér



Gratis undervisning i hjertemassage i morgen på Amager

Hjerteforening står for undervisning i hjertemassage i morgen på Forebyggelsescenter Amager, Hans Bogbinders Alle 3, opgang 7, kl. 10 til 12. Interesserede kan bare møde op.

■ Meddelelse · 5 timer siden · 🔟 0 · 🗩 0 · Kommentér

Lea Stentoft Berling oprettede rubrikannoncen Lejlighed udlejes over julen · 🐽
0 · 6 timer siden

NVN Nanna Vejsholt Normann oprettede rubrikannoncen Odder barnevogn · 🛍 1 · i går kl. 14:15

Brug for hjælp?



Se hvem du skal kontakte, hvis uheldet er ude

Begivenheder

Vis alle

Vis alle



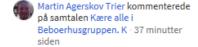
19. november kl. 17:00 – 21:30







Seneste kommentarer











ok.borigo.dk/notices/704622-varmeregnskab#comment-731144

tilrådet at stoppe en dyne ned mellem vinduet og sikkerhedsglasset. Dt var en dyr løsning. Først efter vinteren blev vinduet repareret med lift. Jeg vil protestere over at min fremtidige a/c betaling er fordoblet, da mit varmeforbrug nu skulle være stabiliseret.



Brian Lund Larsen - 5. marts - id 0

5672 kwh på en 60m2 her til sammenligning.



Boris Sønderskov 5. marts • • 0

Tak til alle med Jeres tilbagemeldinger. Status er at vores forbrug er det samme eller lidt lavere hvis jeg sammenligner med nogle af vores naboer eller nogle af Jer.

Et helt andet issue er om varme regning på 12000.-/år er højt for en lejlighed bygget i 2010/11.



Anders Larsen · 5. marts · 🐽 0

jeg bor på 97 kvm med naboere til alle sider har næsten aldrig brug for åbne for varmen da der altid er ca 21 grader i lejligheden har brugt 257 kwh eller 2700 kr dette har jeg brugt alle de år jeg har boet her



Helene Hjort Knudsen 5. marts 📫 1 - Slet

Kære Anders

Hvis du åbner lidt for varmen kan det være at dine naboer kan skrue lidt ned ;-)



Susanne Breum 5. marts • • 0

Jeg har også fået en (dog mindre) ekstrabetaling på godt 900. Helene har en god pointe i nabofyring. Anne og Boris - I og jeg har jo ikke haft nogen nabo i næsten 5 måneder. Det kunne vel godt tænkes at have påvirket forbruget.



Anders Larsen - 5. marts - 📫 0

Jeg tror at forbruget i høj grad er styret efter hvor i bebyggelsen man bor og

Heating bill 2014

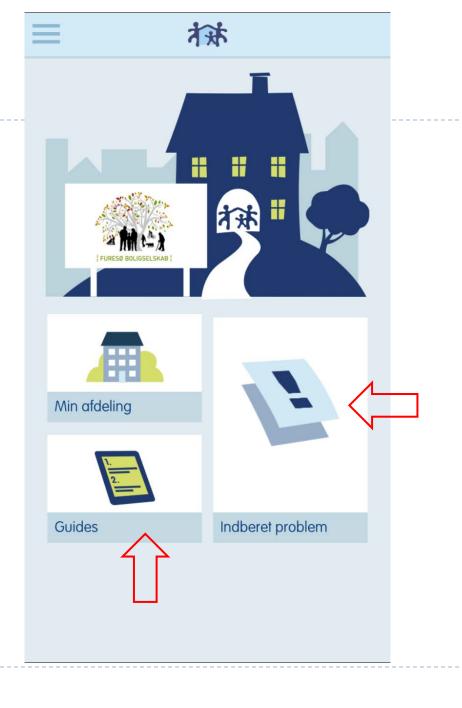




KABMin Bolig

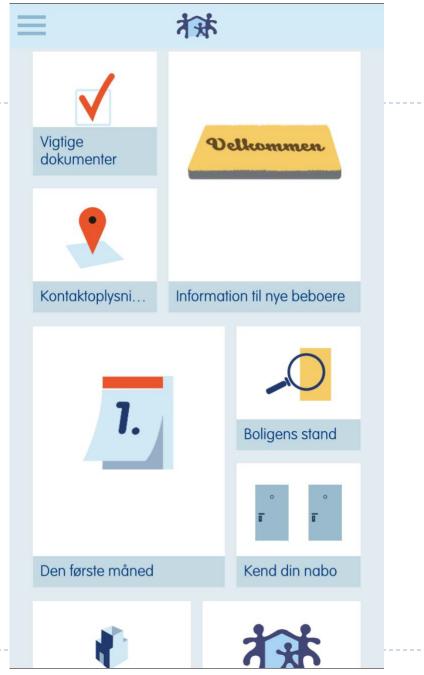


USE: Expected 30% after one year Some housing departments 56% Not used as social media

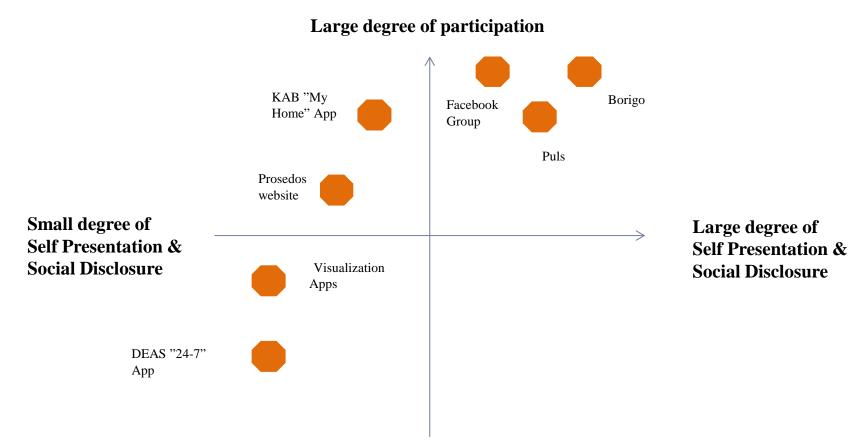








Social Media supports participation



Small degree of participation

Perspectives

- Virtual Communities can support a learning environment for local housing departments in residental areas.
- Social media **can** improve residents participation and empower them to take action in the residental area.
- The operation managers & residents **can** participate in a community of practice on sustainable use of the home.
- ▶ There are a **need of more research** in this field!

