

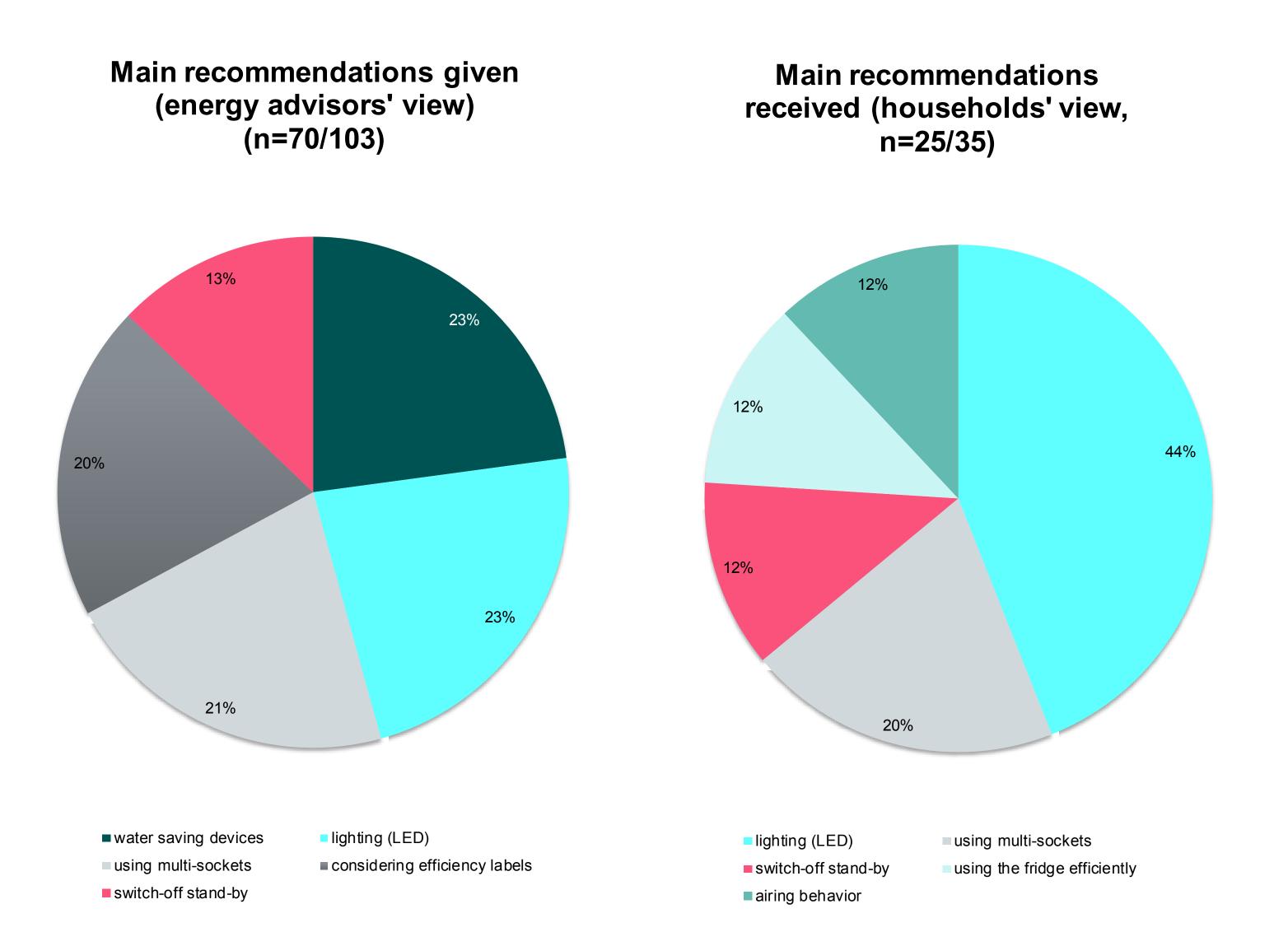
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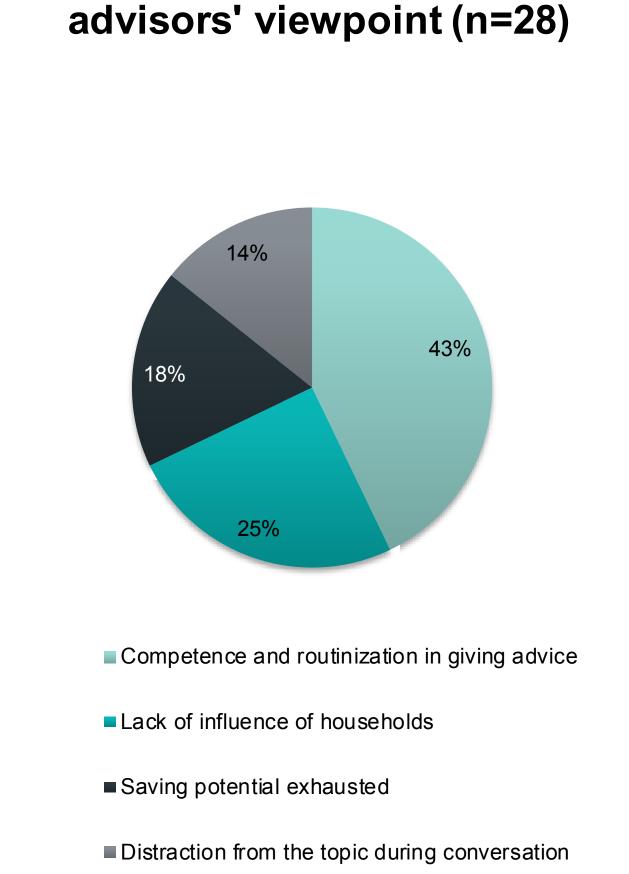
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Work Package 2: Tailored in-home energy advice for households. A randomized controlled trial in Basel

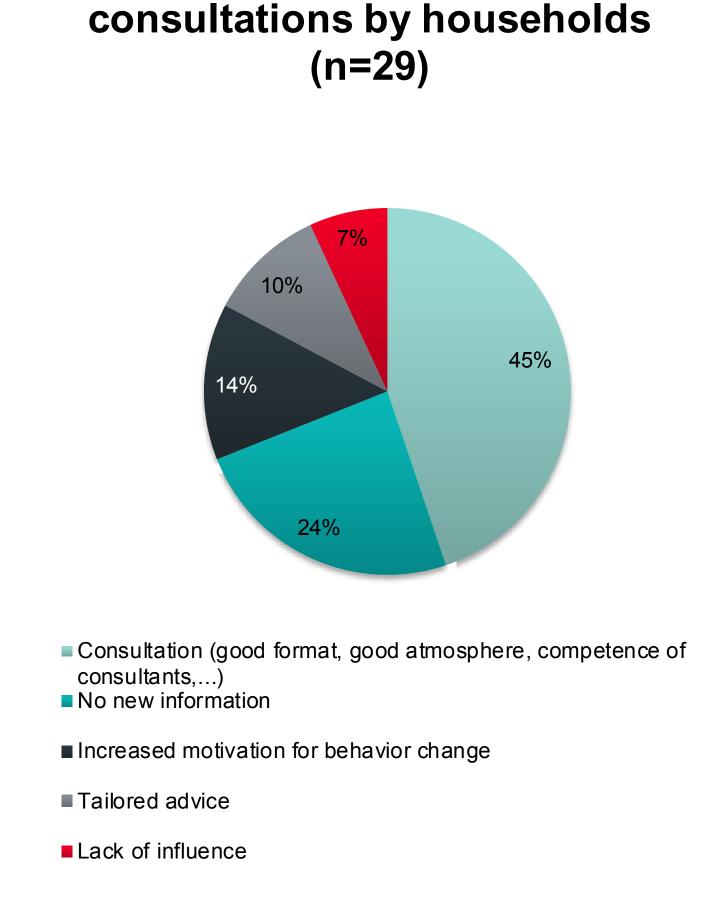
Together with the Basel-City Environment and Energy Office (AUE) we developed and analyzed an in-home tailored energy advice program for private households (Jan.-Dez.'18). Advice focused on efficiency (e.g., energy labels of appliances) and sufficiency (e.g., airing procedures) measures to enable homeowners and tenants alike to reduce energy consumption. Energy advisors were students trained by an AUE energy advisor; the consultation process was trained with test-households. Students used a checklist, but focused on topics relevant to each household to give tailored advice. The program was evaluated through a randomized controlled field experiment. Main objectives were: 1. Analyzing the effect of tailored energy advice on households' energy use. 2. Analyzing changes in efficiency and sufficiency behavior. 3. Gaining insights into perceptions of households/energy advisors.

Procedure 2nd survey: 3rd **Invitation: Treatment:** 1st survey 31.01.18 (baseline): 09.03.-02.05.survey: 07.03.-27.05. 27.04. Oct.-02.04. **Nov.18** 1000 house- T-group Short-term Long-term Two holds ranhousholds advisors effects effects domly who fiper household proviselected in nished 1st Basel-City; survey recei- ded tailored ved tailored energy ad-144 responded advice vice T: n = 30Responses: Responses: Groups: Treatment T: n=27T: n=41(T): n=73Control (C): C: n = 42C: n = 34n=71





Challenges from the energy



Evaluation of energy

Conclusions (preliminary) about consultation process & next steps

- > Households liked the consultation format and mostly felt that energy advisors were competent
- > Most households already knew about energy saving; advice might increase their motivation to put knowledge into practice
- > Recommendations varied across a range of efficiency and sufficiency behaviors
- > In the next steps, analysis will focus on whether and how energy advice was effective in changing certain behaviors

Contact

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