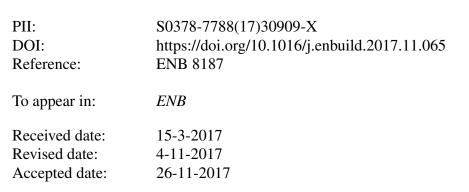
Accepted Manuscript

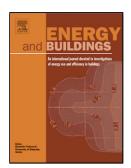
Title: Initiatives for the energy renovation of single-family houses in Denmark evaluated on the basis of barriers and motivators

Authors: Matilde Grøn Bjørneboe, Svend Svendsen, Alfred Heller



Please cite this article as: Matilde Grøn Bjørneboe, Svend Svendsen, Alfred Heller, Initiatives for the energy renovation of single-family houses in Denmark evaluated on the basis of barriers and motivators, Energy and Buildings https://doi.org/10.1016/j.enbuild.2017.11.065

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Initiatives for the energy renovation of single-family houses in Denmark evaluated on the basis of barriers and motivators

Authors

Corresponding author:

Matilde Grøn Bjørneboe; Department of Civil Engineering, Technical University of Denmark, Brovej Building 118, DK-2800 Kgs. Lyngby, DENMARK, <u>matg@byg.dtu.dk</u>

Co-authors:

Svend Svendsen; Department of Civil Engineering, Technical University of Denmark, Brovej Building 118, DK-2800 Kgs. Lyngby, DENMARK, <u>ss@byg.dtu.dk</u>

Alfred Heller; Department of Civil Engineering, Technical University of Denmark, Brovej Building 118, DK-2800 Kgs. Lyngby, DENMARK, <u>alfh@byg.dtu.dk</u>

Highlights

- Creating a framework of barriers and motivators for energy renovation in homes
- Identification of four possible areas for improvement in current Danish policy
- Need for improved support through relevant renovation plans and financial support
- Focus on non-energy benefits and on stating maximum allowed energy consumption

Abstract

The renovation of single-family houses in Denmark is progressing only slowly. Changes in current policy are needed if the political goal of a fossil-free building sector as part of a fossil-free society is to be achieved. Known barriers and motivators for energy renovation are identified, and arranged in a framework with three main fields (Information, Finance and Process), with a total of 14 sub-areas. With this framework, current Danish policy is analysed to identify shortcomings, found to mainly exist in connection with financing and decision support. Using experience from other countries, suggestions are made for improvement in four areas: (1) focus on non-energy benefits rather than investment, (2) enhancement of subsidy system, (3) including relevant renovation plans in the energy performance certificate (EPC), and (4) long-term regulation on the maximum allowed energy consumption of houses.

دريافت فورى 🛶 متن كامل مقاله

- امکان دانلود نسخه تمام متن مقالات انگلیسی
 امکان دانلود نسخه ترجمه شده مقالات
 پذیرش سفارش ترجمه تخصصی
 امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
 امکان دانلود رایگان ۲ صفحه اول هر مقاله
 امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
 دانلود فوری مقاله پس از پرداخت آنلاین
 پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات
- ISIArticles مرجع مقالات تخصصی ایران