

EnBe2.0 Tailor-made Energy Consulting for Private Households

A Project Overview

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> Introduction

Our analysis that we obtained from both practical observations and literature reviews shows that cultural background and socio-economic factors have an impact on household energy use and consumption. This also corresponds to the level of effectiveness that energy consulting has at the household level. (Aune 2007; Gareth and Nigel 2012; Uitdenbogerd 2007)

The new Austrian Energy Efficiency Law provides new mandates for power supply companies making energy consulting an increasingly important issue. It is based on EU directives and was implemented in Austria in January 2015. Due to the law 40 percent of the targeted energy efficiency savings rate have to be induced among end-use energy consumers, such as private households. Energy consulting is one possibility to achieve this target. (Energieeffizienzpaket des Bundes 2014)

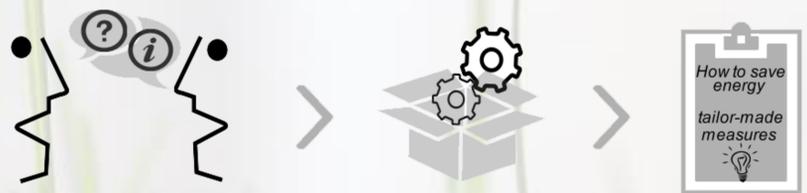
In order to help achieve appropriate energy savings through energy consulting for private households, the R&D-project "EnBe2.0" was launched in July 2014. The project duration will be 24 months.

> Research Questions

- Which principles have to be investigated at the private households level to accomplish tailor-made energy consulting for daily living and to foster energy savings in homes as well as contribute to the EU-energy efficiency targets?
- How to frame energy consulting measures and recommendations in order to meet the various needs, preferences and expectations for both women and men?

> Objectives

Development of a consulting toolbox that is user-friendly and sensitive to gender and diversity issues (EnBe2.0-Toolbox). Such a toolbox should also meet the multifaceted requirements of end-use energy consumers as well as assist energy consultants in terms of target-group orientated, tailor-made energy consulting for private households.



> Methods

- Critical revision of the common practice of energy consulting in Austria
- Quantitative online survey and
- Qualitative semi-structured interviews with end-use energy consumers
- Statistical evaluation methods such as principal components analysis and hierarchical cluster analysis
- Qualitative analysis methods such as content analysis
- Round tables and expert interviews with energy consultants and stakeholders
- Trial and development of the EnBe2.0-Toolbox through the implementation of recommendations made by energy consultants based on EnBe2.0-Toolbox trials from face-to-face consultations with private households

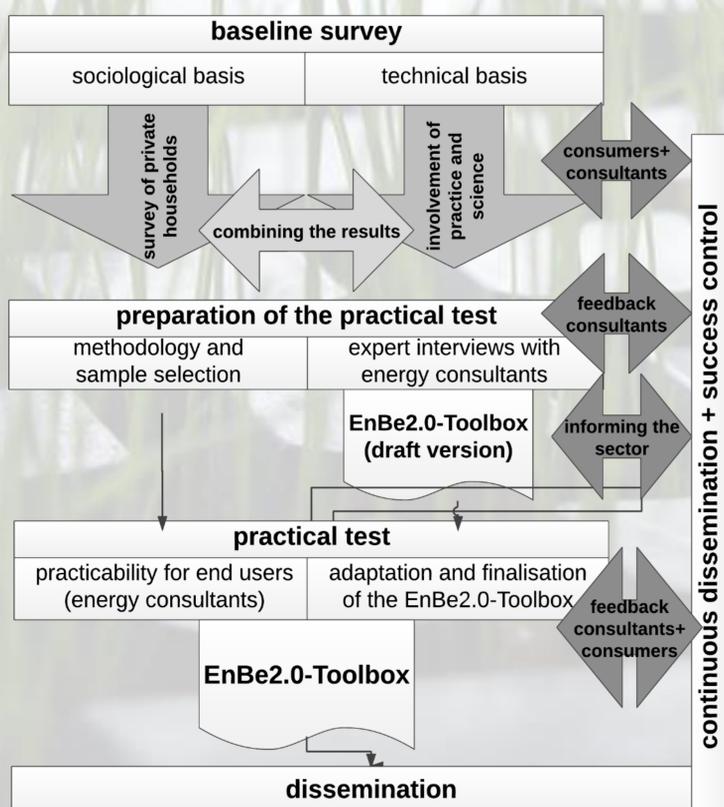


Figure: Scientific approach of the project EnBe2.0 (B-NK & OFI)

Outlook

The project's core innovation, the EnBe2.0 toolbox, is based on the expertise of energy consultants and includes the perspectives of end-use energy consumers' requirements as well as their attitudes, behaviour, household demands and other values. With the help of various analytical methods, a toolbox will be developed that assists energy consultants in their daily work and enables them to assist consumers by lowering their levels of energy consumption.

References

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» **Project partner**
OFI Technologie & Innovation GmbH



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