



An evaluation of the Danish energy labeling of buildings

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This presentation

- Based on a EU funded project
- Survey (total: 3200; DK:743) / interviews with house owners (energy labels 2007-2008)
- How people renovate their home
- Do house owners know, understand and use the labels
- How to improve the label





Energy labels on buildings in DK

- Voluntary energy audits since 1981
- Compulsory energy labels since 1996
- EU EPBD following the Danish laws in 2005
- Different evaluations points at limited effect in Denmark





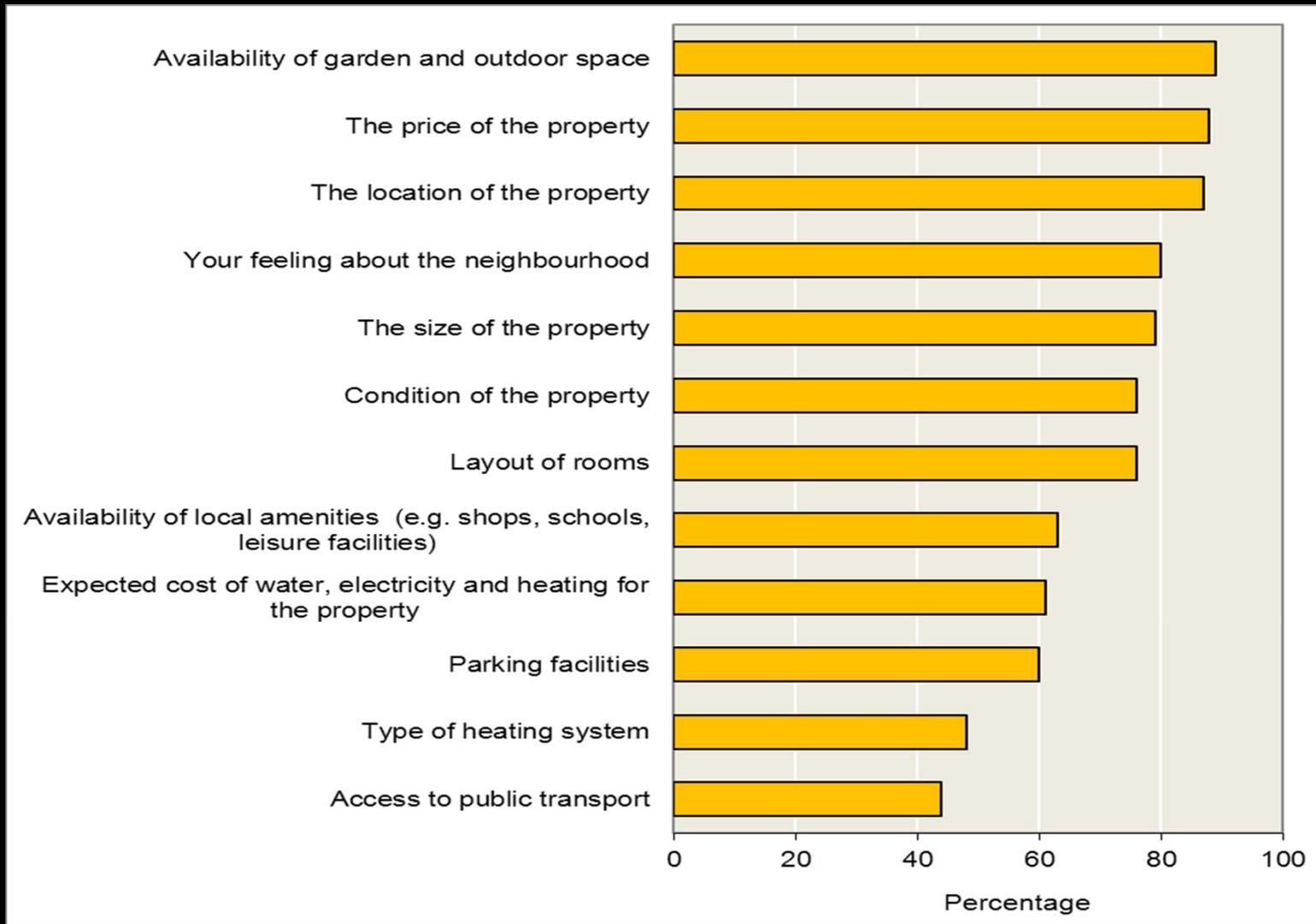
Results from the project

- What influence house owners when buying their home?
- About renovating a house
- Where do house owners get information ?
- Householders response to the label
- Recommendations to improve the label

Buying a home



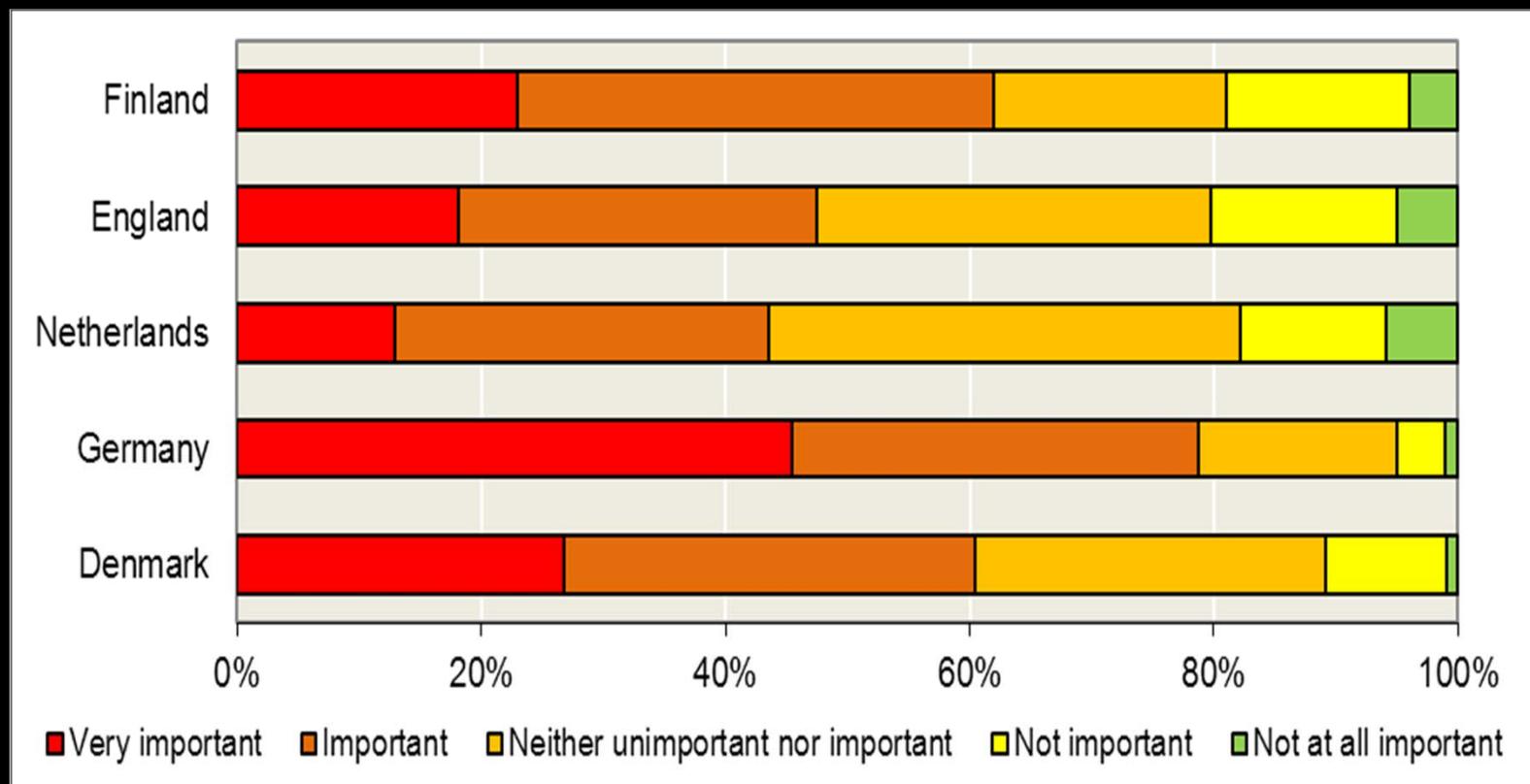
Home buying priorities rated 'very important' or 'important' by homeowners, (all countries)





Importance of utility cost

Importance of utility costs, when respondents were looking for a new property





Importance of the label when buying a house

- Less than half of respondents saw the label before buying
- One third declared the label as important for their decision to buy
- Less than 8% used the information to negotiate price



About renovating a house

Three quarters of the owners have done renovation on their home. Of these:

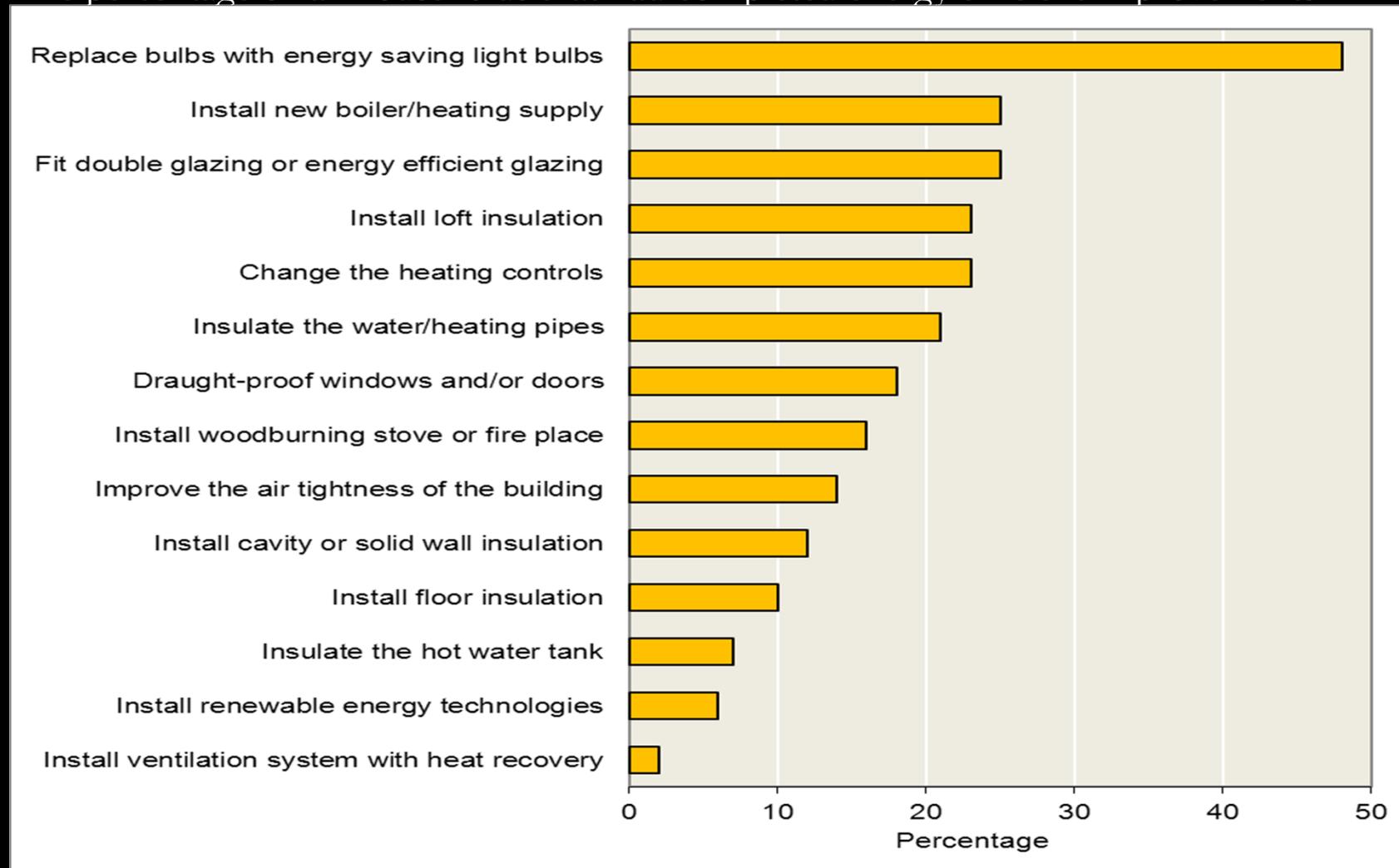
- 68% painted/decorated
- 65% made the garden
- 52% changed kitchen
- 46% changed bath
- 33% changed to more efficient heat supply
- 33% changed to efficient windows



Energy renovations



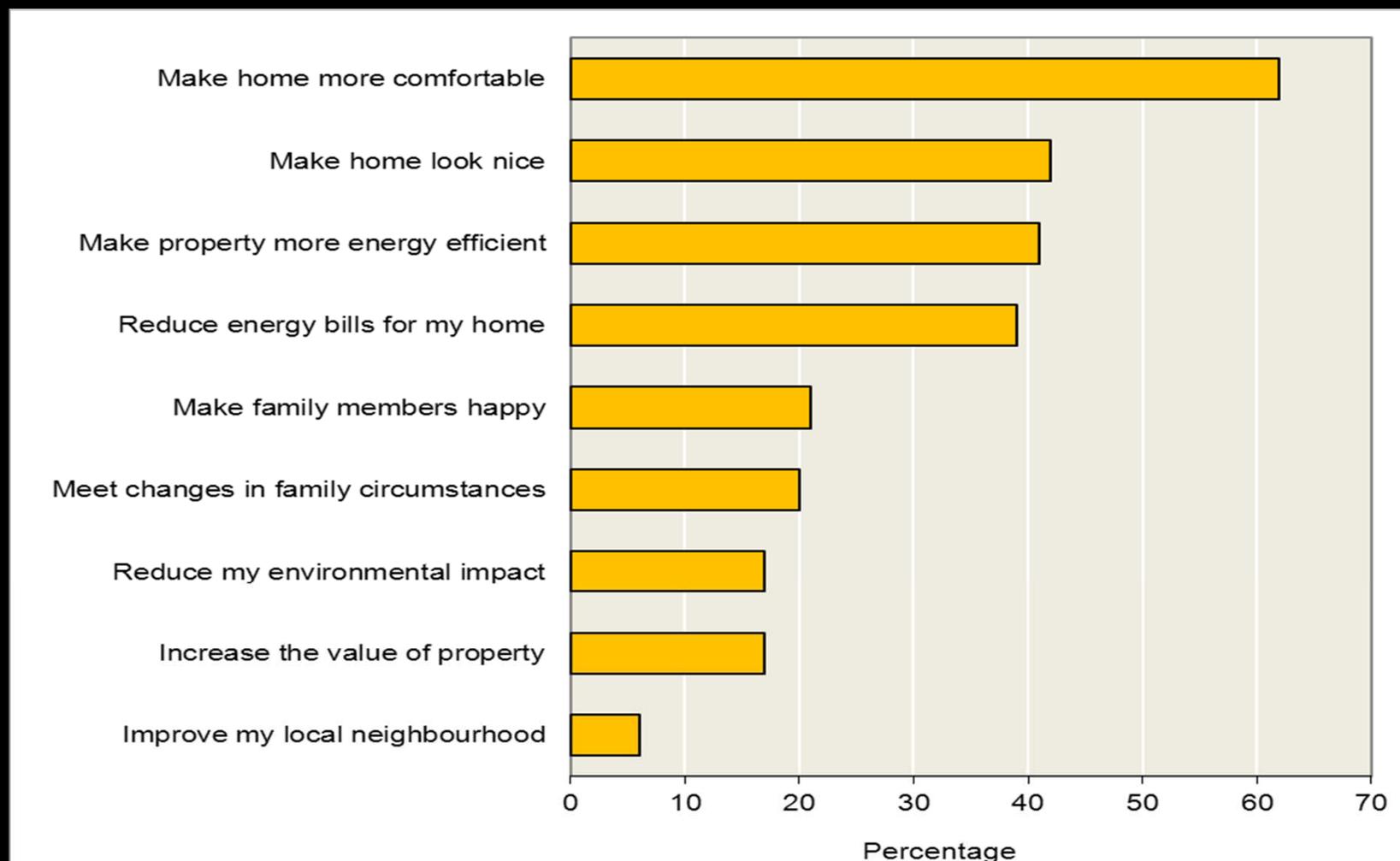
The percentage of all households that had completed energy efficient improvements





Reasons to renovate

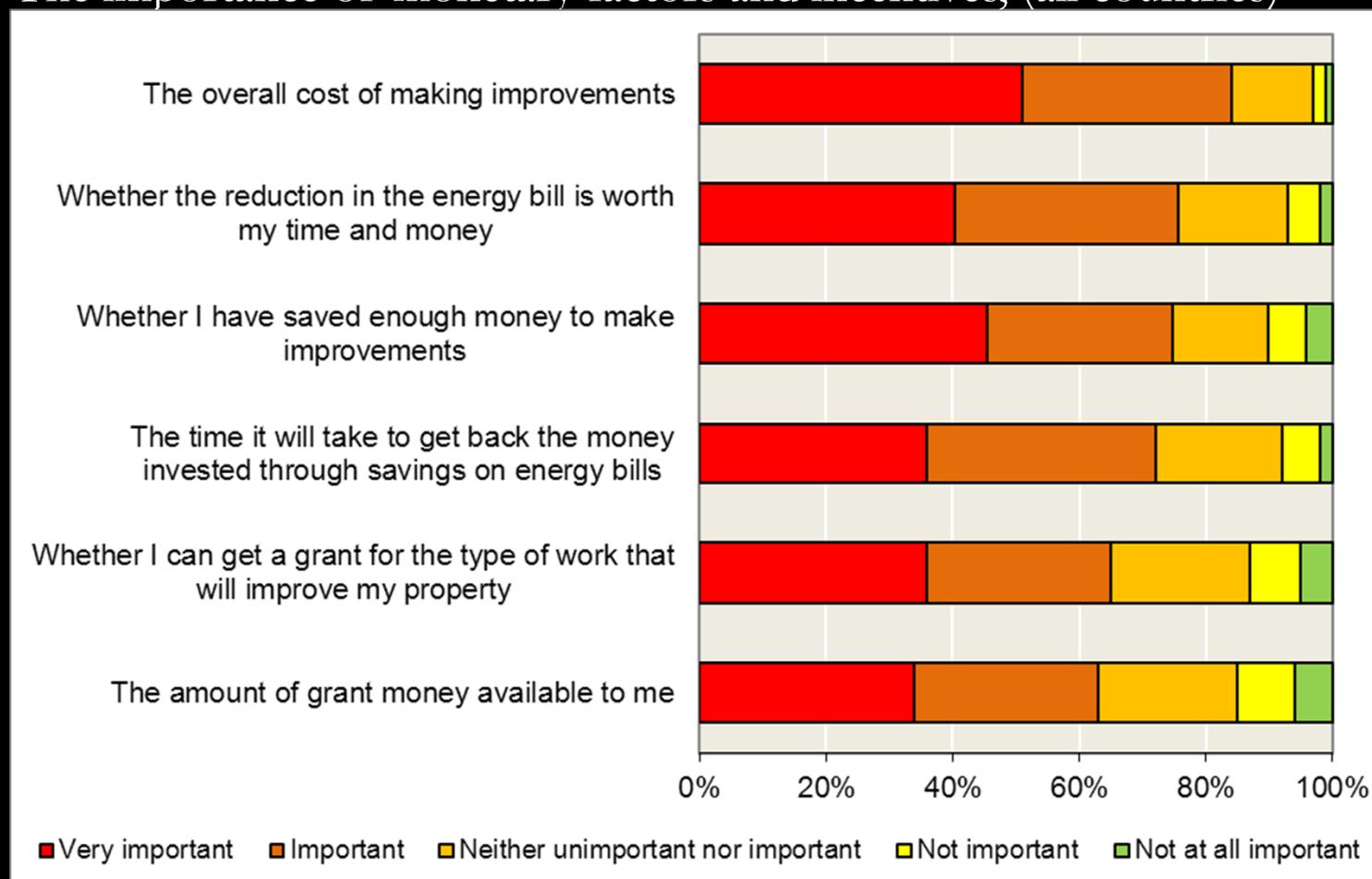
Reasons for completing improvements rated very important by homeowners (all countries)





Importance of economy for renovating

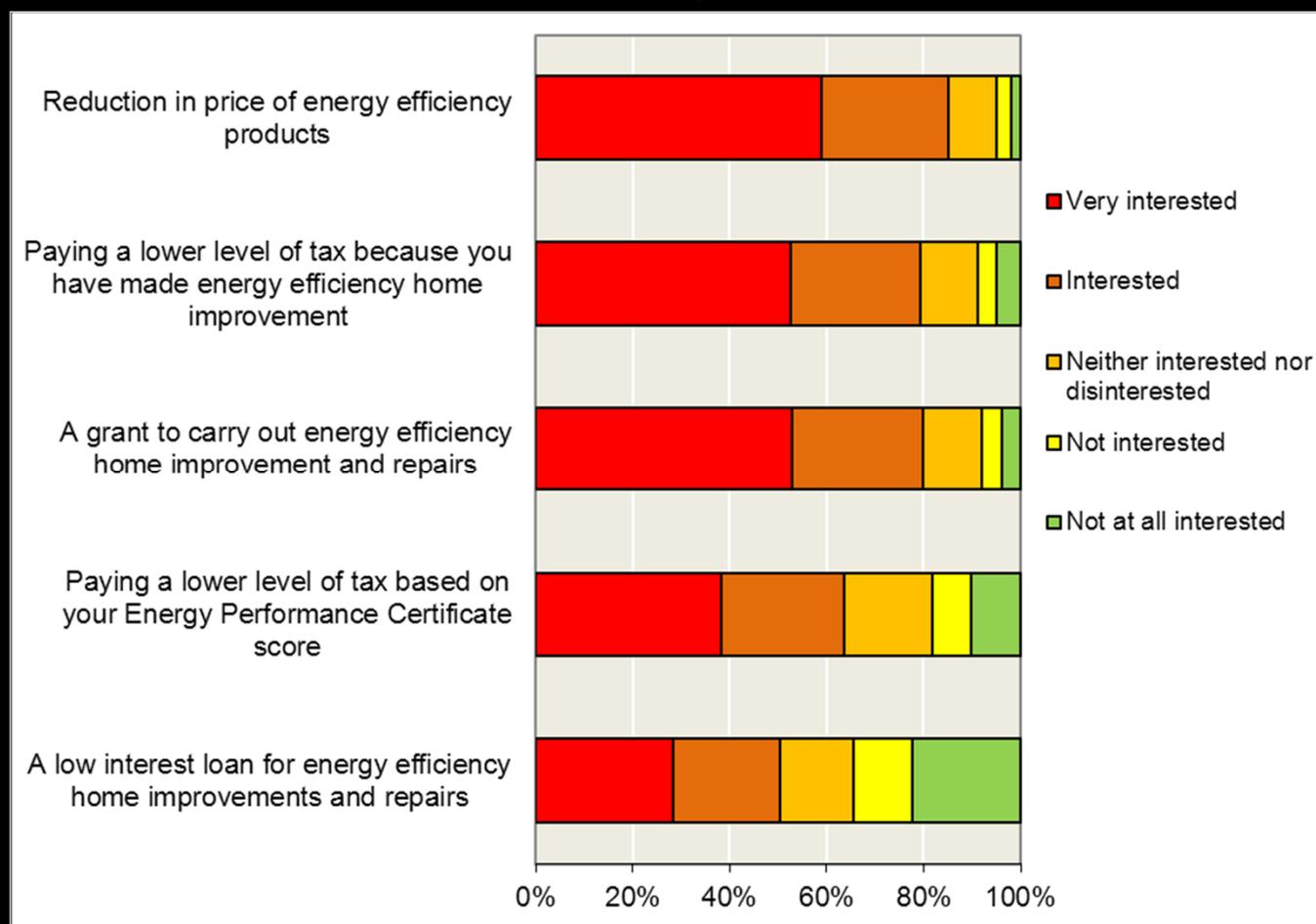
The importance of monetary factors and incentives, (all countries)





Interest for economic instruments

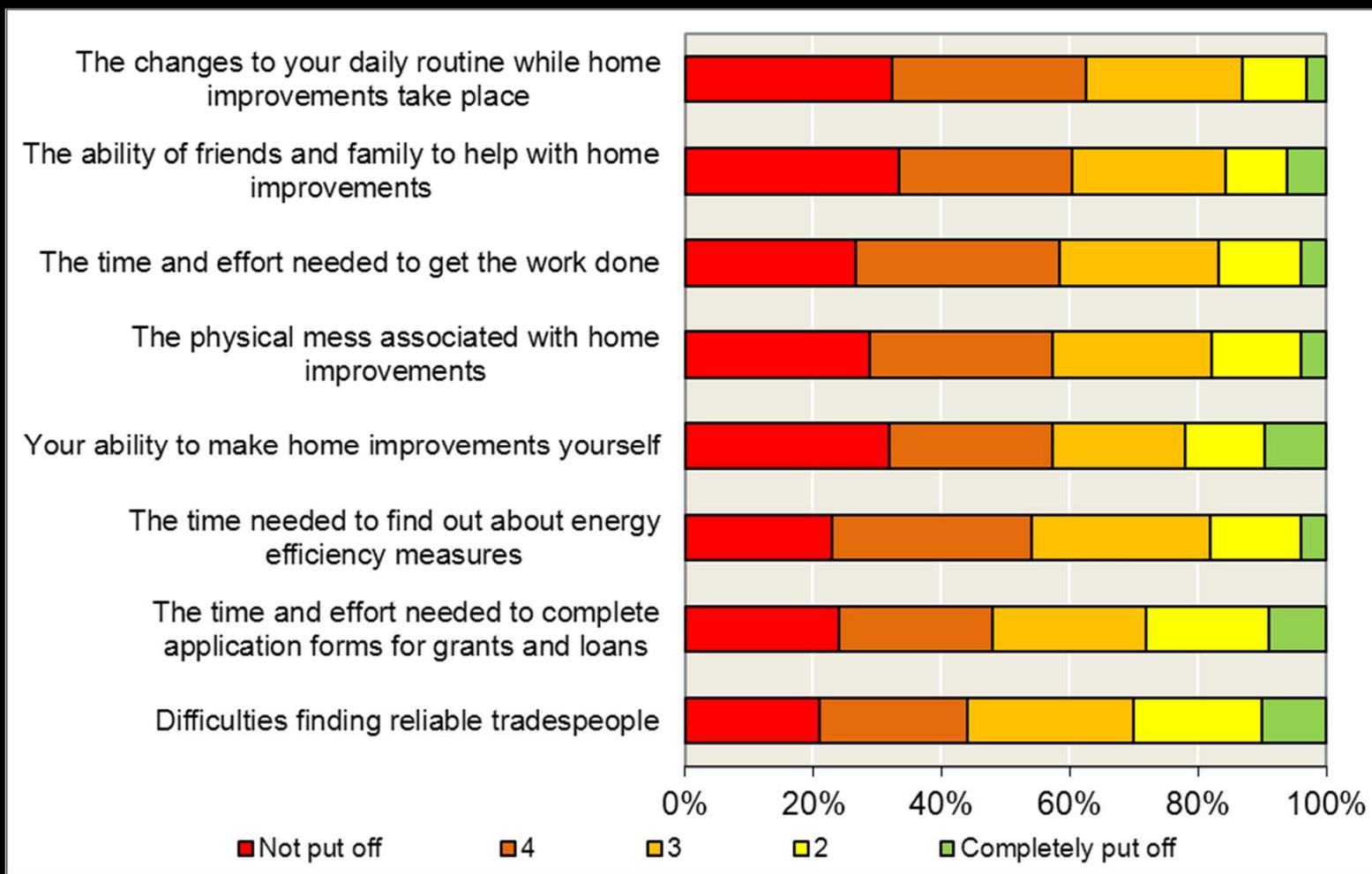
Level of interest in monetary and fiscal incentives, (all countries)





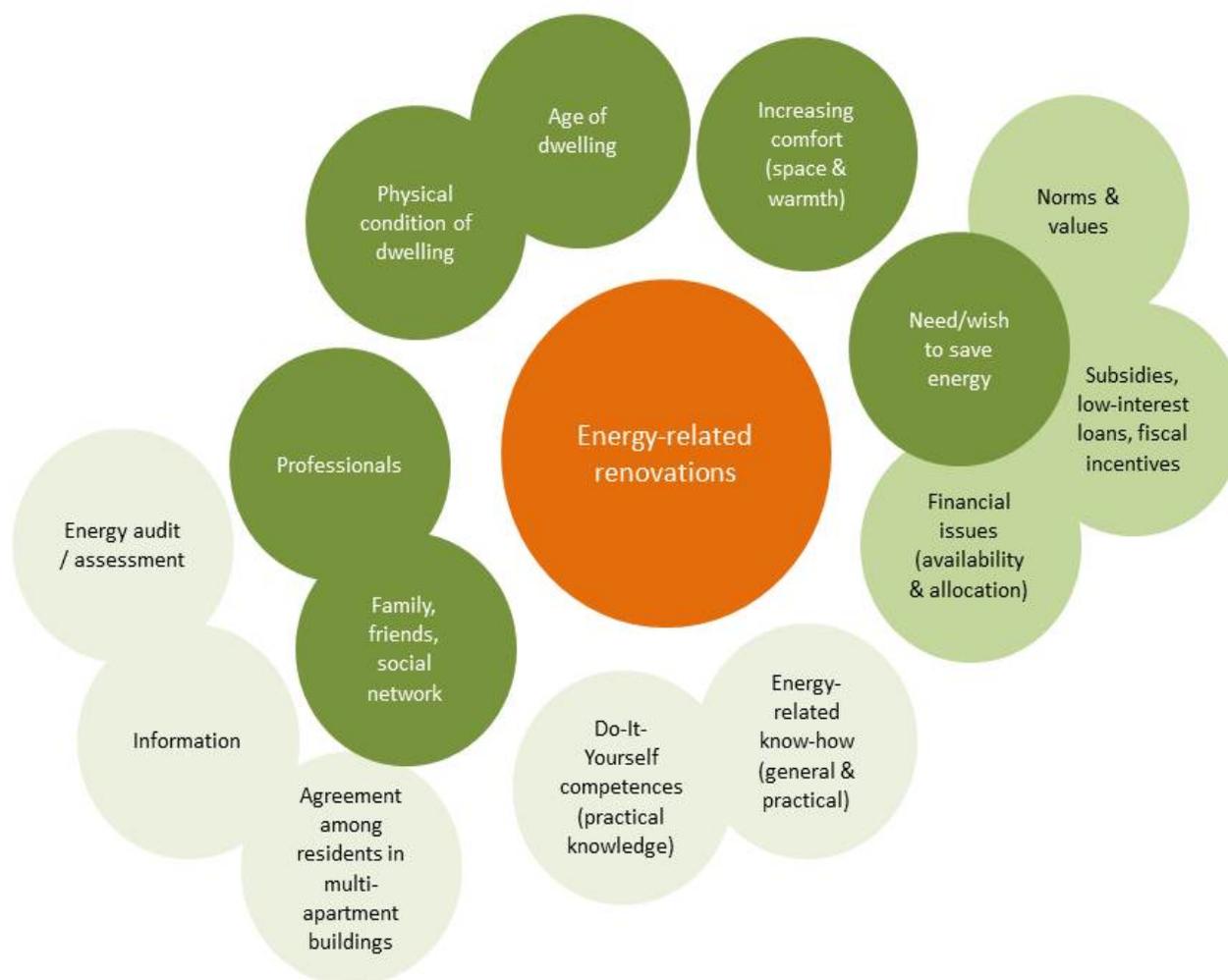
Other factors hindering renovations

Practical issues involved in improving the home (all countries)

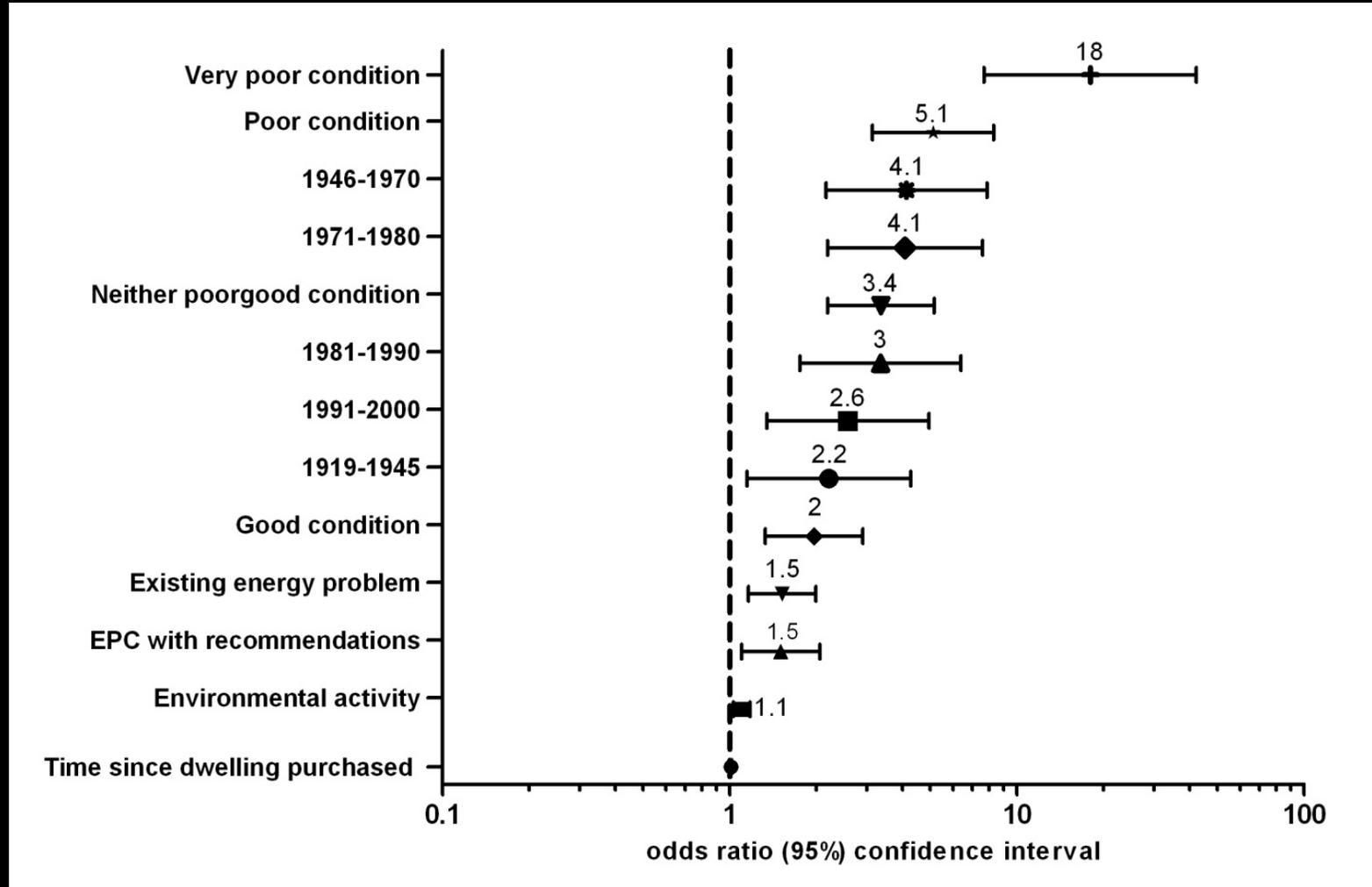


Factors supporting energy renovating

Factors playing a relevant role in the why and how of energy-related renovations



Factors supporting energy renovating





Knowledge of the label

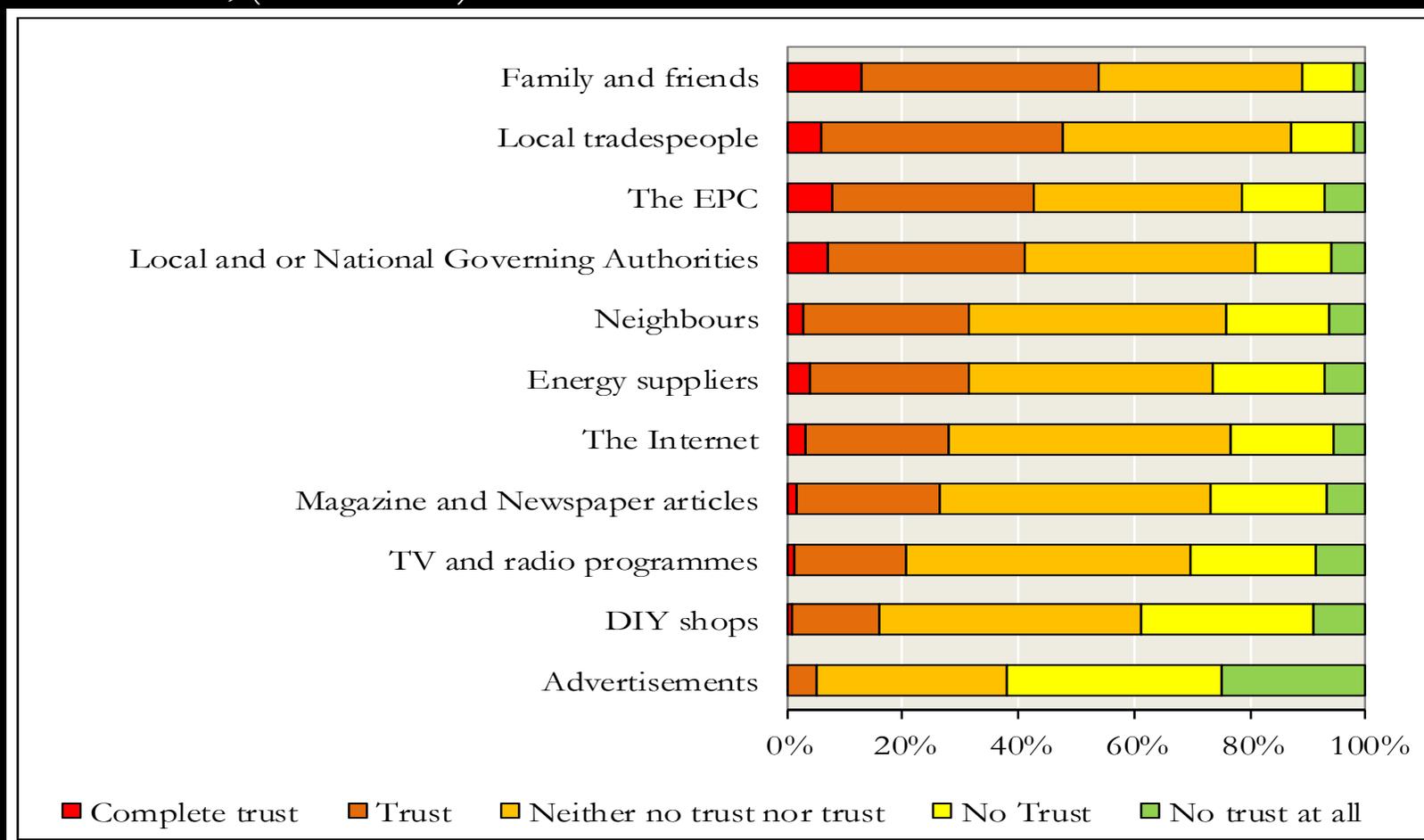
20 % of the Danish respondents declare that they do not have a label on their house:

- Even though we have drawn their address from a register of issued labels
- ...and even we during the survey show them a picture to help them remember the label
- Explanation: they have never received it, they forgotten it, they did not notice it ...?



Trust in information

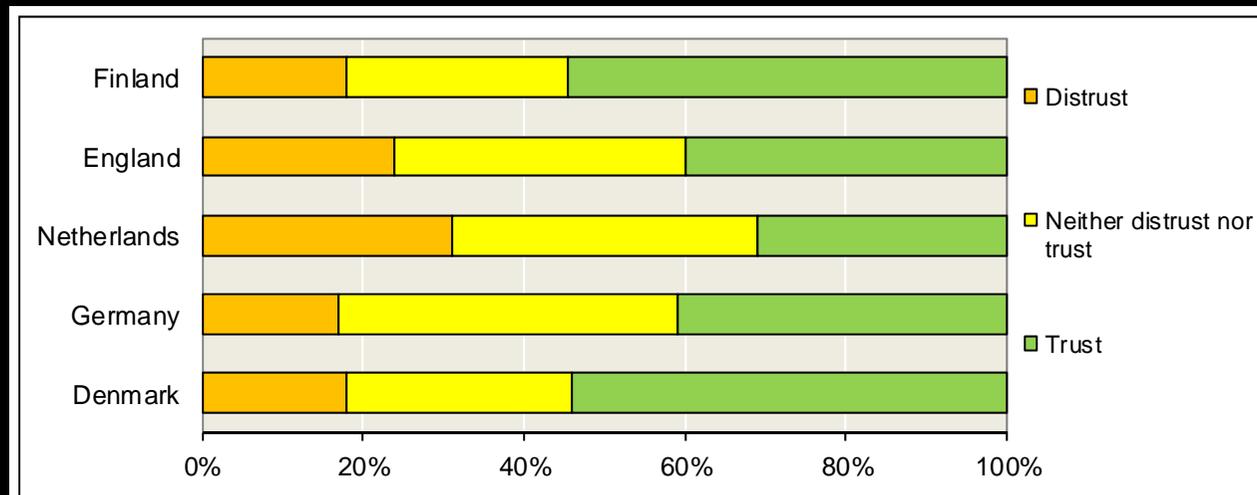
Homeowners level of trust in various sources of information on energy efficiency for the home, (all countries)



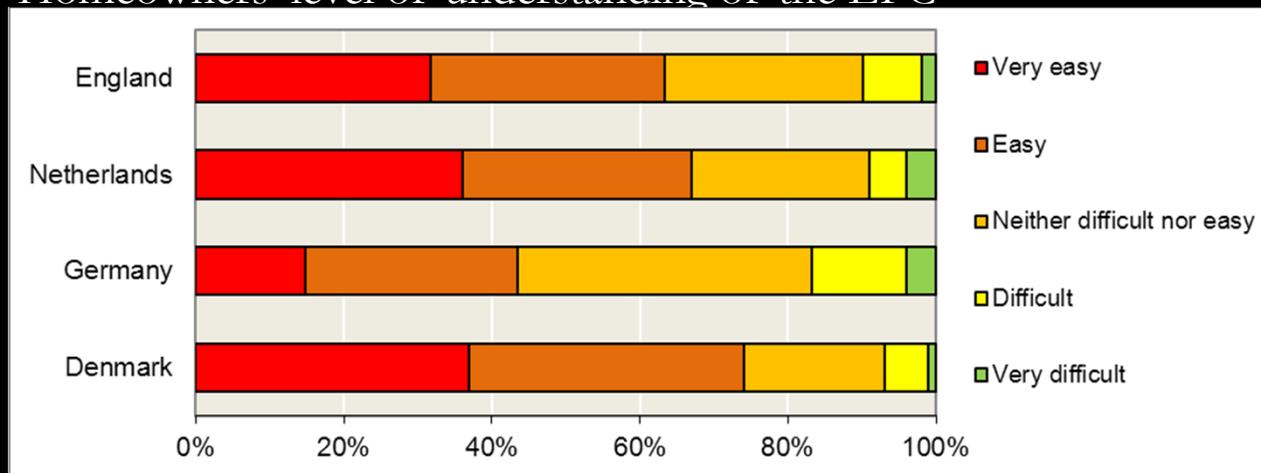


Users assessment of the label

House owners level of trust in the EPC as a source of information



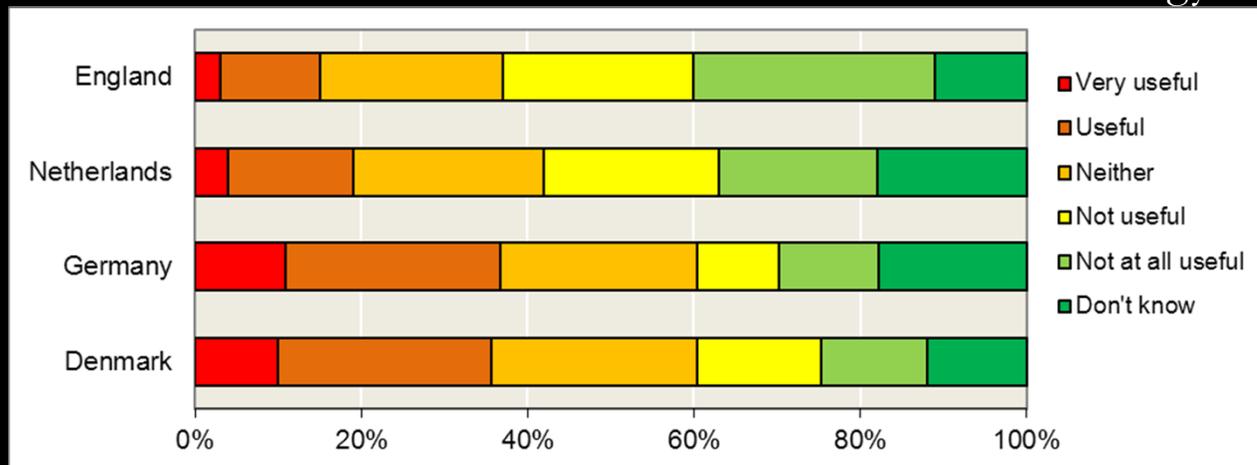
Homeowners' level of understanding of the EPC



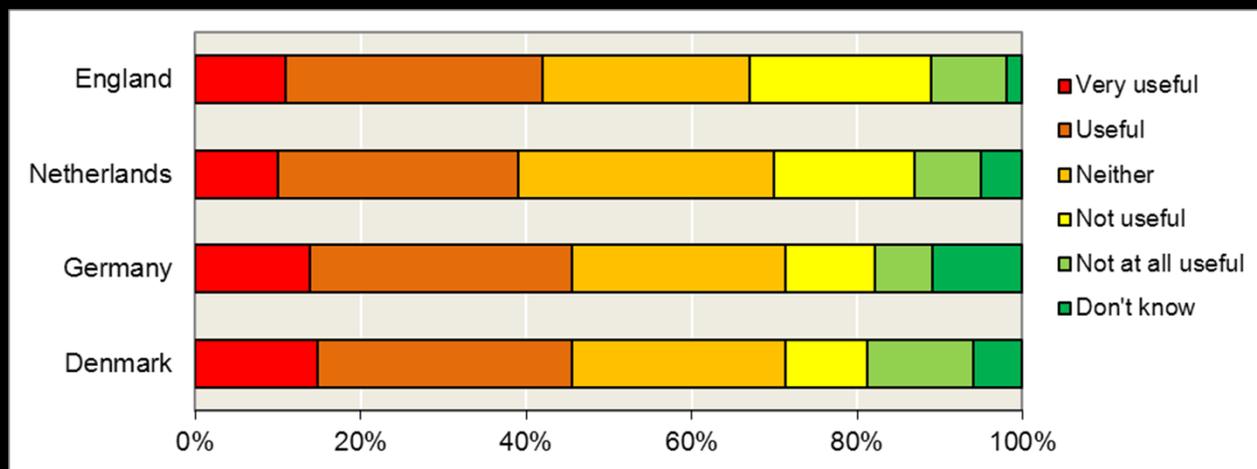


Usefulness of the label

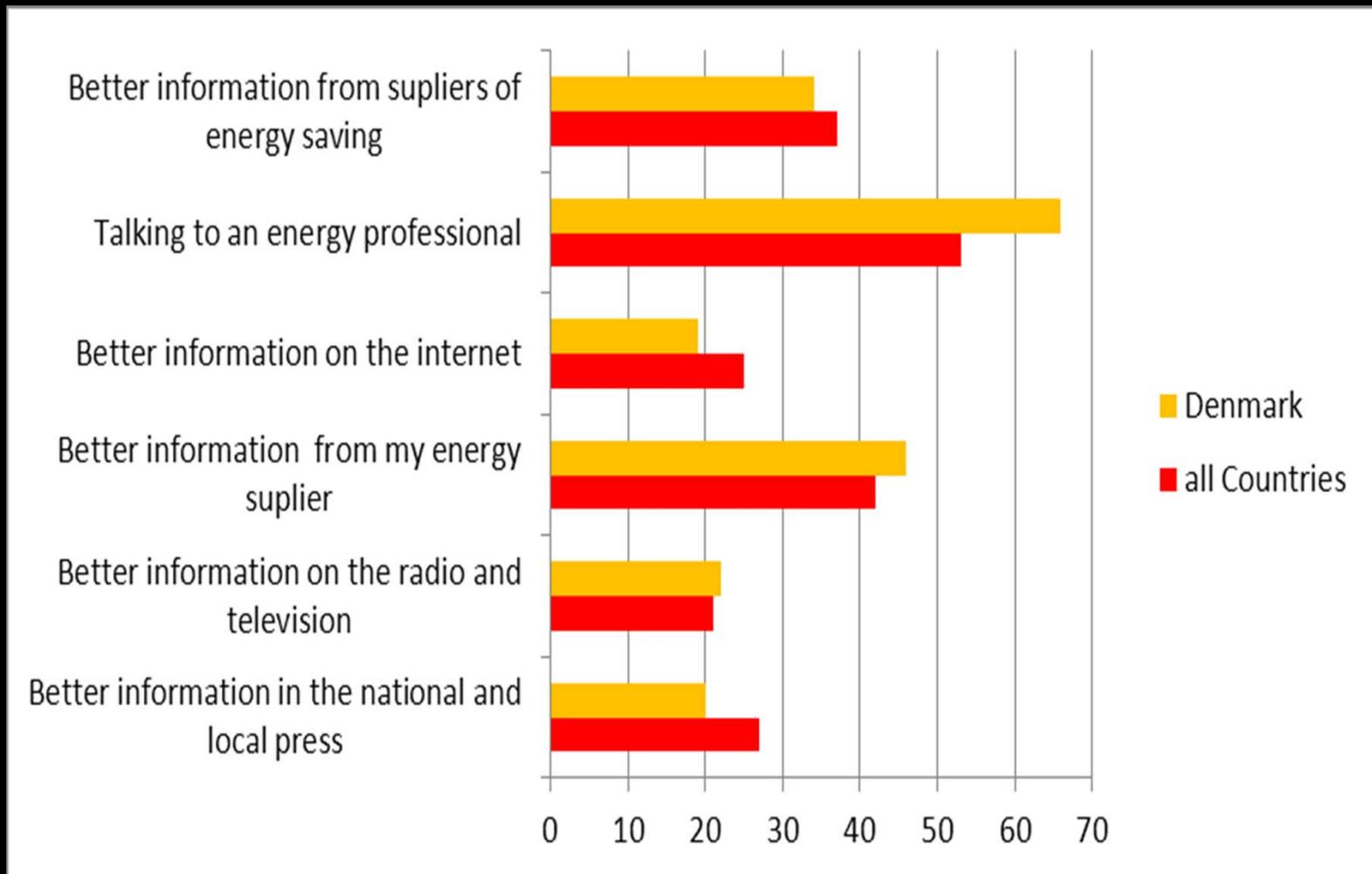
Usefulness of the EPC as a source of information on the energy costs of your home?



Usefulness of the EPC as a source of information on the home improvements needed to reduce your energy bills



What users them self think could help them





Recommendations

1. Increase users trust in the label and in its usability
2. Include direct dialog with the energy advisers
3. Focus on those houses that need it the most (the oldest houses or those with the worst label)
4. More economic instruments related to energy renovations
5. House owners interest in energy renovations as compared to other renovations



The report can be downloaded

....at www.sbi.dk

And more info on the EU-project can be found at:

www.ideal-epbd.eu

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Improving the energy labelling scheme

Findings and recommendations for Denmark



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