

Review of evaluations of policy instruments for energy efficiency in buildings in Sweden

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Objective

- To advance knowledge about current evaluation practice for policy instruments targeting energy efficiency in the built environment.
- To shed light on the extent to which evaluations are able to seize radical changes and support learning to aid a transition.

Critical review sample

- 30 evaluations of policy instruments for EE in buildings in Sweden
- Commissioned by swedish authorities 2005-2015
- Both ex-post and ex-ante
- Single-policy evaluations

Critical review sample

- Legislative instruments (2)
- Financial instruments (6)
- Informative instruments (17)
- Other instruments (5)

Framework

Based on evaluation theory and
transition theory

Framework

Three main categories:

A. Methods

B. Value criteria

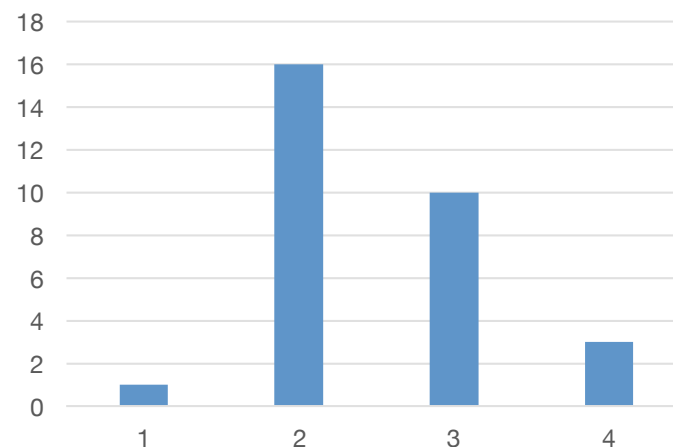
C. Use

– Capturing of radical changes and potential for transition

Results

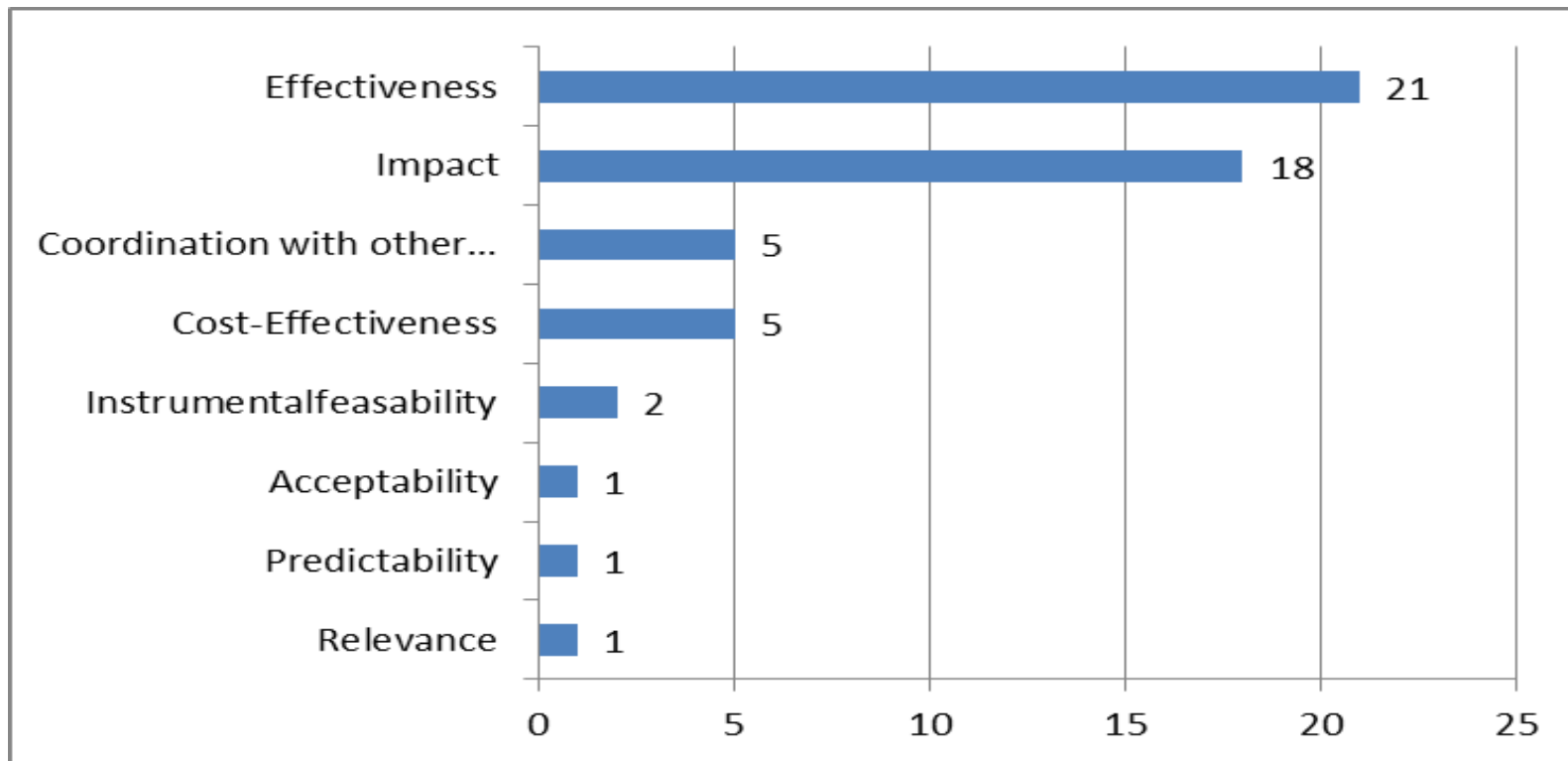
A. Methods used within the evaluation

- Combination of two or more methods for analysis (29/30)
 - Interviews and document studies
- Triangulation (1/30)
- Side-effects (8/30)
- Rebound effects (1/30)
- Intervention theory – varying extent (17/30)



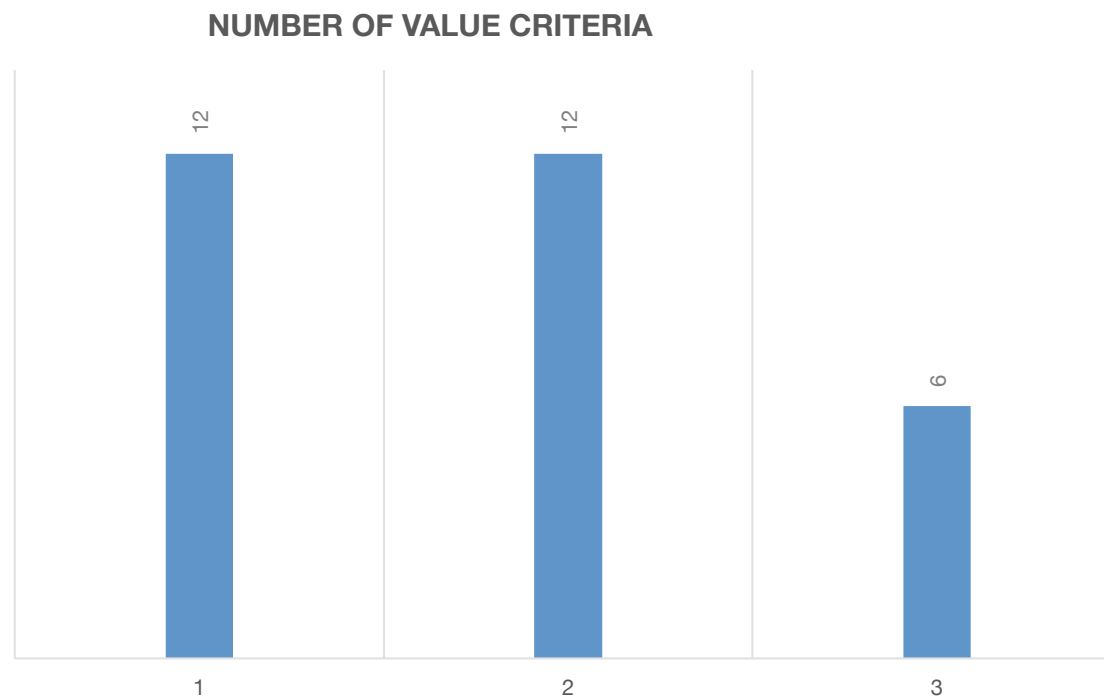
Results

B. Value criteria



Results

B. Value criteria



Results

C. Use and stakeholder involvement

- Further use not specified
- Stakeholder involvement in evaluation
 - Common for data collection: surveys, interviews. Number of respondents ranging 1 – 700
 - interviews in groups

Potential for transition

- System perspective
 - focus on actors (25/30)
- Multi-actor
 - Extent of involvement varies
 - Two or more actor groups (14/30)
- Vision
 - Combination ex-post/ex-ante (1/30)
 - No clear long-term evaluation strategy apparent
- Experiment
 - Mentioned (5/30)
- Learning
 - Favoring of ex-post (28/30). Conveying of learning and experiences not stated.
- Reflexivity
 - Varying extent (9/30)

Conclusion

- Discussion between policymakers and evaluators
- Clear intentions for further use
- System perspective, capable of including both multiple levels and actors, as well as side effects and rebound effects.

Conclusion

- Thoroughly underbuilt counterfactuals
- Triangulation for providing a wide coverage, and to assert findings
- Focus on efforts for experimentation and radical changes
- A long-term perspective in which upscaling of innovation or accumulation of incremental changes is considered

Thank you!

Contact

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