

psychology



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How to promote energy savings?

- > Information: change knowledge, perceptions, motivations, norms, preferences
- > Change context in which decisions are made
 - Make energy savings relatively more attractive or feasible
 - Pricing strategies
 - Legal strategies
 - Energy efficiency (technology)

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Tailored information

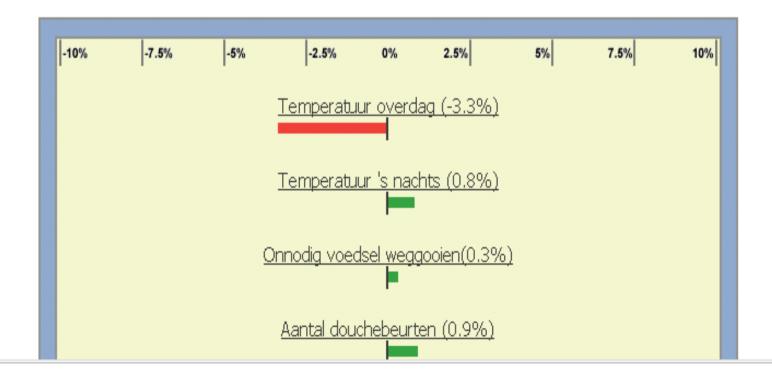
- > Tailored information via interactive webpage
 - Based on possession and use of appliances
- > Individual feedback on energy savings
 - Differences before and after intervention
- > Assess energy use related to possession and use of goods and appliances

Wat heeft u bespaard?

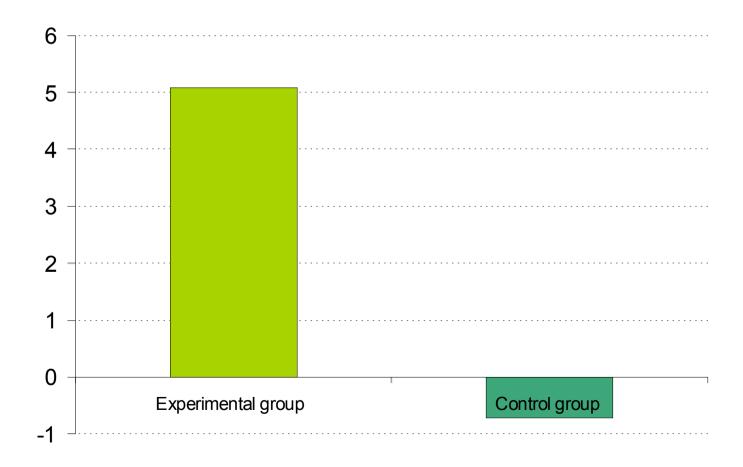
In de onderstaande figuur is weergegeven hoe uw energiegebruik is veranderd ten opzichte van het begin van dit experiment.

De groene balken geven weer op welke terreinen u energie heeft bespaard. De <mark>rode</mark> balken geven weer op welke terreinen u meer energie bent gaan gebruiken.

Hoe langer de balken, hoe groter de verandering in uw energiegebruik.



Results



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Motivations

- > Energy savings often associated with higher costs and effort
- > Strenghten normative goals
 - · Values: environmental ethic
 - Social norms
- Make gain and hedonic goals compatible with normative goals by changing context
 - Pricing policies
 - Make energy saving fun

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Social norms

- > Descriptive and injunctive norms
- > Copy norm violations of others
- > Cross norm inhibition effect?



Study 1





No graffiti (N= 77) **33%**

Graffiti (N=77): **69%**

52%

80%

Introduction / knowledge / motivations / norms / pricing policies / fun Date

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Study 4





No firework (N= 50) Firework (N=46)

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Study 5/6



No graffiti or litter (N=71) 13%

Graffiti (N=60) **27%**

Litter (N=72) **25%**

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Cross norm inhibition effect

- > People are more likely to violate norms when they see that other norms are being violated
- Normative goals are pushed to the background in disordered settings (goal framing theory)

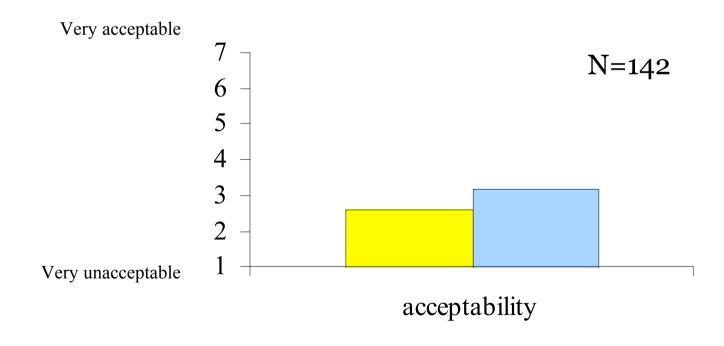
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Pricing policies

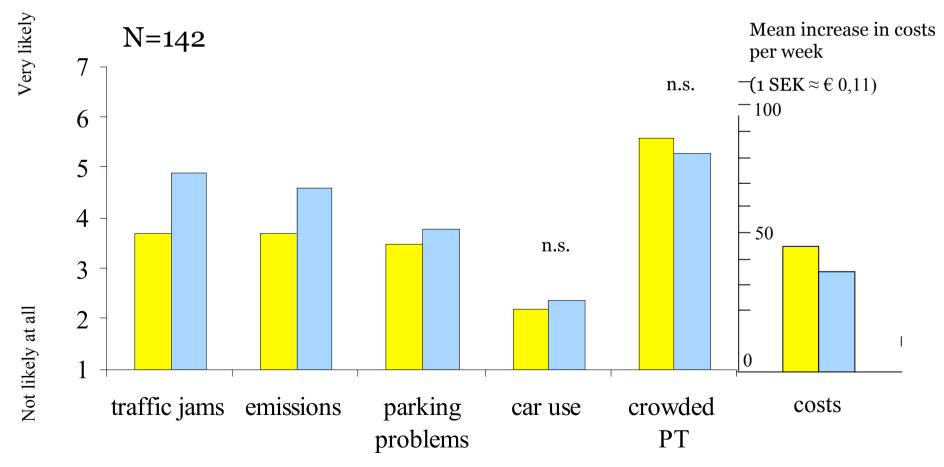
- > Effective in reducing car use
 - London, Singapore, Stockholm
- > However, lack of public support
 - Kilometre charge NL
- > Which factors influence policy acceptability?
 - Expected and perceived effects
 - Fairness

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Acceptability Stockholm trial



Effects Stockholm trial



Schuitema & Steg (2010)

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Conclusion Stockholm trial

- > More positive about effects on congestion, environmental problems, parking problems
- > Additional costs lower than expected
- > Acceptability higher after trial
- > Acceptability increases because effects more positive than expected?

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Acceptability and effects

- Pricing policies more effective when people expect environmental problems and congestion to reduce
- > Effects on individual car use or costs less influential



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Acceptability and fairness

- > High correlation acceptability fairness
- > Fairness principles:
 - Everybody pays the same
 - I am not worse off the others
 - I am not worse off than before
 - The polluter pays
 - Low income groups can still afford to drive
 - Nature, the environment and future generations are protected

Acceptability and fairness

- > Policies more acceptable and fair when:
 - Nature, the environment, and future generations are protected
 - Equality: everybody pays the same
 - Worse of than before or others less important

