

Accompanying Posters

Insights from first experiences with feedback based on Smart Metering in Switzerland

Maja Fischer (University of Bern, Switzerland)

Determinants of reductions in household energy consumption: Preliminary results of the €CO₂ Management smart metering pilot

Sebastian Seebauer (University of Graz, Wegener Center for Climate and Global Change, Austria)

Power Cent DC: Smart Pricing for the Smart Grid

Alicia Carrasco (eMeter, UK)

Practice theory in practice: understanding the use of active demand technology in the domestic context

Dana Abi Ghanem (Tyndall Centre, University of Manchester, GB)

Audience and Venue

The thematic symposium is part of the international conference **Sustainable Consumption - Towards Action and Impact** in Hamburg, Germany.

Thus, it is open to all participants of the conference to participate in the symposium. Presentations need to be scientifically proven and submitted in advance. The selection of the papers for the presentation session takes place within the Call for Papers.

The symposium is intended for experts from science and practice dealing with the issue of Smart Metering, feedback and saving potentials in households.

Results of Intelliekon

An English reader with the main project results will be available for all participants of the symposium. The reader will be sent electronically after the registration. For more information about the project see <http://www.intelliekon.de>.

Intelliekon Research Consortium



Besides the three research institutes and the Smart Metering system provider the project consortium consists of nine German utilities and one Austrian utility.

For more information about the consortium see <http://www.intelliekon.de>.

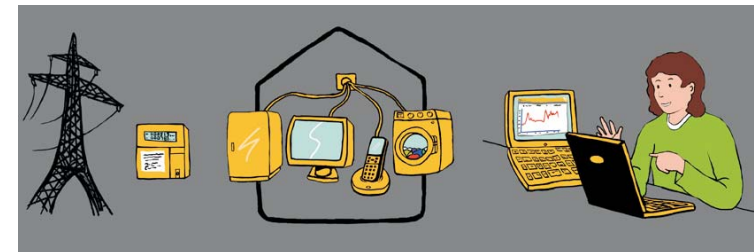
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International scientific conference

Sustainable Consumption - Towards Action and Impact

November 6th - 8th 2011
Hamburg, Germany

including the thematic symposium

Do households save electricity through feedback based on Smart Metering systems?

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The conference **Sustainable Consumption - Towards Action and Impact** will give the international and interdisciplinary scientific community an opportunity to present and discuss new research findings on sustainable consumption. The focus of the conference is on consumer behaviour, its social and cultural embeddedness, and its interdependencies with institutional, economic, physical and political frameworks.

One important topic of sustainable consumption is energy consumption in households. This topic also receives high priority on the political agenda of the European and German Federal legislation, which among other issues have integrated the so-called Smart Meter into their climate protection policy as an instrument to increase the energy efficiency in households. The visualisation and feedback on hourly and daily energy consumption is considered an innovative approach to change consumers' behaviour. Caused by the political objectives and the continuous dissemination of Smart Metering Systems in Europe, the effects of feedback on consumers' energy consumption and behavior came into the focus of social scientific research again.

The German research project Intelliekon was launched in 2008 with the objective to offer insights in potential target groups, their needs, and preferences concerning energy consumption information and their energy behaviour while using feedback information based on Smart Metering.

The thematic symposium **"Do households save electricity through feedback based on Smart Metering systems?"** aims to link current projects regarding the topics Smart Metering, feedback and savings potentials from various countries and to give scientists and practitioners the opportunity to exchange their experiences and insights in terms of feedback on energy consumption.

Topics to be addressed:

- results on savings
- behavioural mechanisms of feedback
- target groups and specific designs (in function, media and visual design)
- methodological approaches and future research
- product and legal applications

Programme

Session "Fieldtrial findings"

- 14:00 Household Appropriation of Electricity Monitors
Greg Wallenborn (Université Libre de Bruxelles, Belgium)
- 14:20 Smart Metering pilot study with 345 customers of German municipal utility group MVV Energy
Joachim Globisch (IREES GmbH, Germany)
- 14:40 The Relation between Feedback Use and Energy Saving Results from a Large Field Trial in Germany and Austria
Sebastian Gözl (Fraunhofer ISE, Germany)

- 15:10 Findings from large field trials with energy information and Tariffs in Ireland
Joe Durkan (Sustainable Energy Authority of Ireland)

Discussion

Session "Perspectives forward for businesses and legislation"

- 16:00 Conclusions for households from a project with 14.000 train drivers and a 30 mio. € saving result
Heinrich Strössenreuther (Verkehrs Innovations Partner, Germany)
- 16:15 Economic Potential of Smart Electricity Meters in German Households
David Bothe (Frontier Economics, Germany)
- 16:30 Metering and billing as parts in the revised Energy Services Directive
Krzysztof Gierulski (Unit C3 "Energy Efficiency", Directorate-General for Energy; European Commission) (invited)
- 17:00 Discussion
(moderated by Sebastian Gözl, Fraunhofer ISE)

