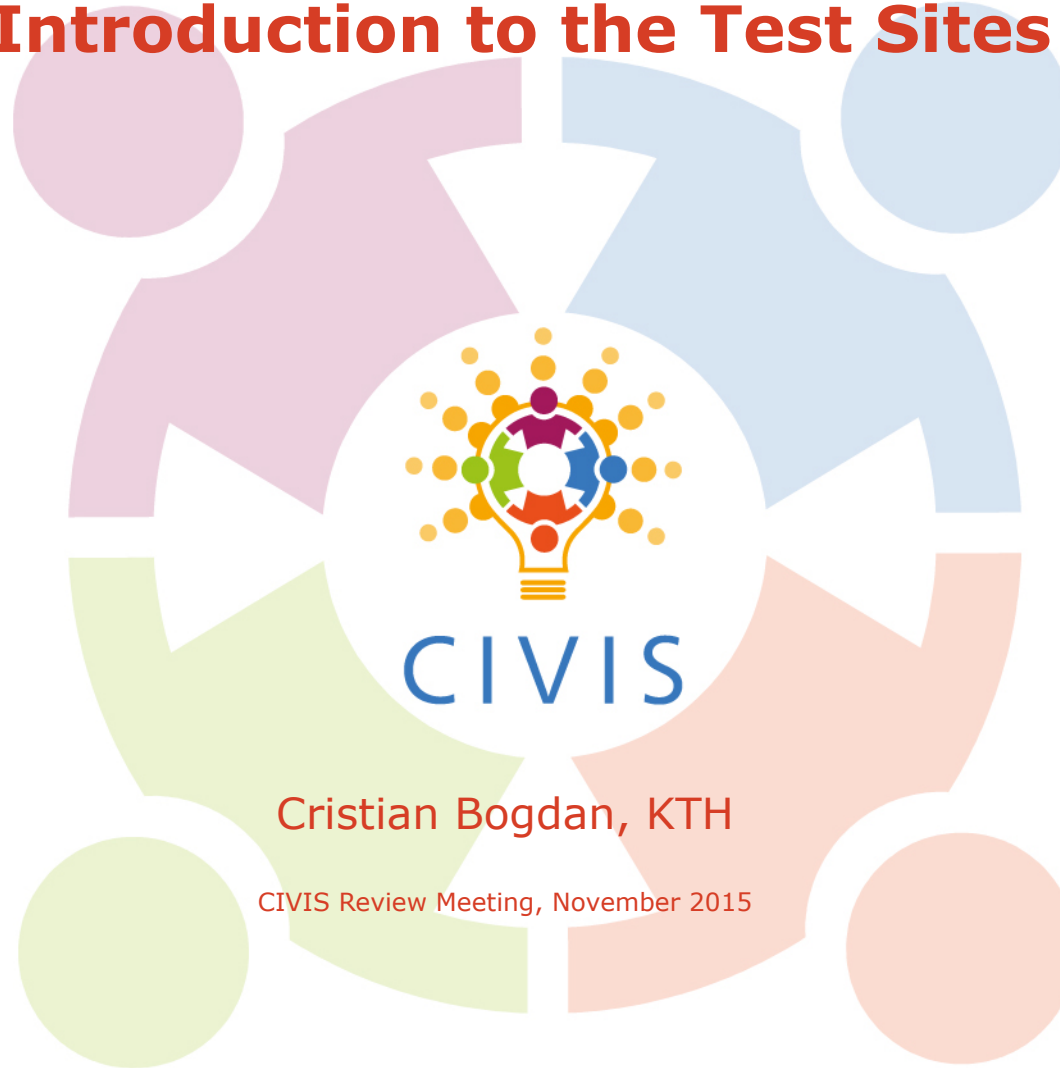


CIVIS Introduction to the Test Sites



Cristian Bogdan, KTH

CIVIS Review Meeting, November 2015



CIVIS project has received research funding from the European Union

CIVIS: setting the stage for Social Energy Action



CIVIS is performing practice-oriented research in several energy cooperatives

Energy cooperatives are of diverse character

- 2 production-enabled cooperatives in Trentino hydro, photovoltaic
- 13 housing cooperatives in Hammarby Sjöstad, heating managed cooperatively
- 1 housing association in Fårdala with individual heating metering

CIVIS aims to make the best of this diversity by providing support for social energy action and aiming to spark energy engagement at a social level

CIVIS mobile app (YouPower) towards these aims



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YouPower

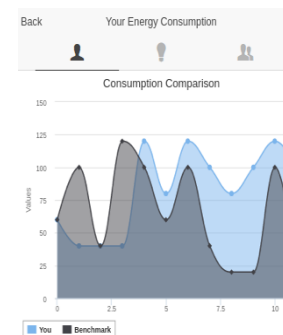
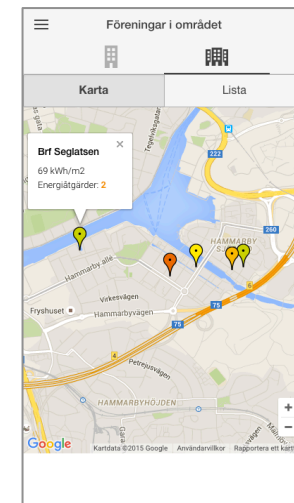
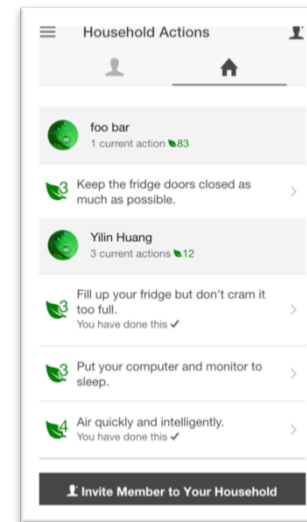


A web-adaptive platform

Flexibility, expandable design

Testbed-specific customization

Easily satisfying emergent and
test-site specific socio-technical
needs



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Social energy engagement in Trentino



Individual data for 93 households (300 dwellers)
72 households completely equipped, 21 with
aggregated monthly data

Social learning effects about electricity and heating
via CurrentCost + temperature measurements

Socio-economical effects by time-of-use signals
decided upon at community level.

Social effects via energy donations

Collectively deciding upon beneficiaries of donation

Participatory budgeting on allocation of energy (kWh)



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Social energy engagement in Hammarby Sjöstad



13 housing cooperatives

Individual household data for three cooperatives: 324 apartments, around 700 dwellers

Socio-economical effects at cooperative level via the "Housing cooperative" section of the YouPower app

Making energy visible in a large scale, where significant energy actions can be taken

Social learning effects about electricity via Smappee smart appliance home energy monitor (50 equipped households)

For user retention, YouPower will be integrated with a sister project focusing on local news, news from local shops, etc



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Social energy engagement in Fårdala



178 town- and semi-detached houses

Detailed heating data (per household)

Social learning about saving on heating via MaxCube heating control system and MaxCube workshops (45 equipped households)
Smappee and its workshops (10 equipped households)

Comparison with the usual North-European scenario (heating per housing cooperative)



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