

e-ntelligence Assen®

Saving energy through behavioural and technical innovation

Jesse Siegers, City of Assen

Specialization

1970: Westerbork Synthesis Radio Telescope
14 antennas, Managed by ASTRON

2007: Peaks in the Delta
Regional specialization



What's it about?



De Lariks

- Total residents: 5,706 (67,063)
- Household income: €24,400 (€32,500)
- Minimum income: 15% (10%)
- Income support: 13% (3%)
- D- energy labels: 41% (28%)
- Electricity (kWh): 2,400 (3.050)
- Gas (m3): 1,650 (1,700)

IMEA



IMEA: *Integrated Measures for an Energy Efficiency approach (2012 – 2014)*

- 10 European partners
- Support regional & local authorities in their efforts for EE in built environment
- Deprived urban areas with (very) poor energy performances
- Findings:
 - ‘more focus on promoting awareness raising’
 - ‘soft policy mechanisms should be prioritized
 - ‘Urban innovation labs’

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Objectives:

- Reduce energy consumption
 - Decrease carbondioxide emissions
 - Decrease households' costs
- Increase quality of life
 - Social cohesion (community building)
- Stimulate innovation
 - New products tested in non-controlled environment



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Methods:

- Increase Energy Conservation (turn of the lights)
 - Increase awareness
 - Measurement box
 - Insight in energy consumption
 - New long-term behavioural patterns
- Increase Energy Efficiency (buy energy-saving bulbs)
 - Living lab
 - Tackle regulatory & financial barriers
 - Housing renovation



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Types of energy:



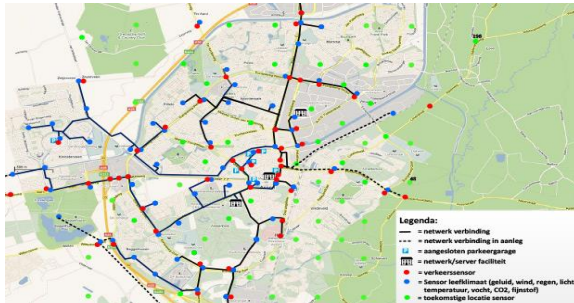
Interventions:



Strategies:



E-ntelligence – measuring & analysing



Data analysis

Policy recommendations

Policy optimization



Questions and discussion