

Transnational cooperation seminar on Energy
Aberdeen, 23/09/2008

PROJECT IDEA

SMART ENERGY COMMUNITIES

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VITO

ADS40 digitaal multispectraalbeeld vanop 1500 m hoogte (04-09-2003)



Flemish Institute for Technological Research

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Smart energy communities





EUROPEAN
COMMISSION

Community research

European **SmartGrids** Technology Platform

Vision and Strategy
for Europe's Electricity
Networks of the Future

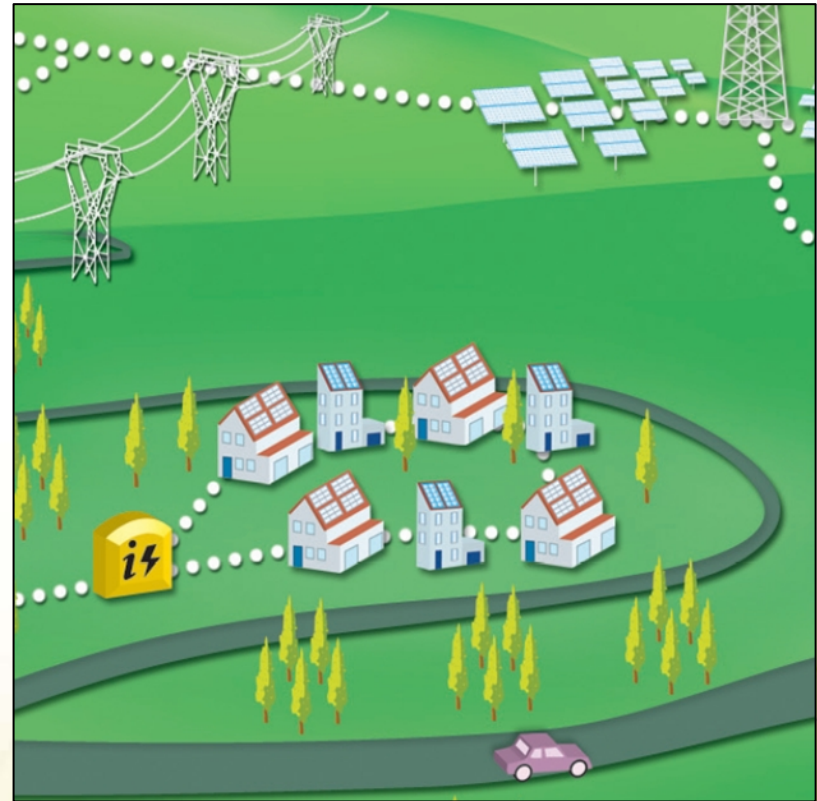
EJR 22040

European Vision Paper

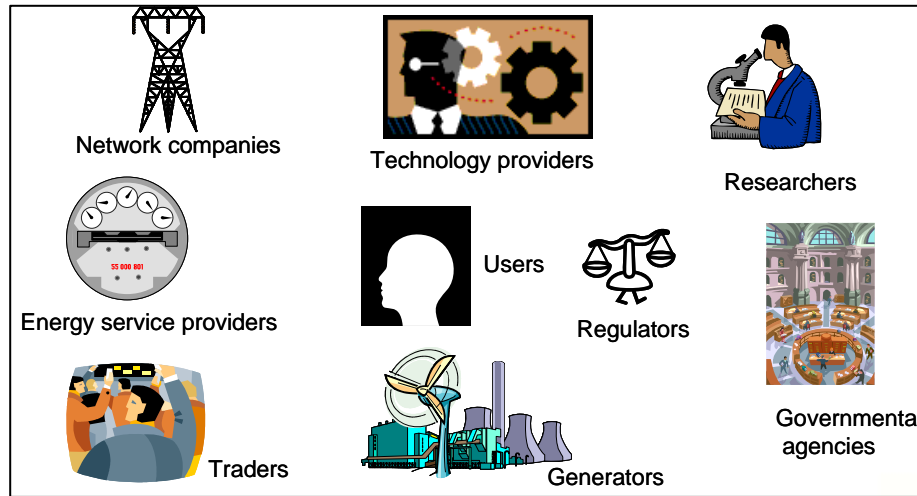


Project idea

- Develop large pilot communities (combination of residential and tertiary buildings, industry, power plants) with an intelligent integration of distributed power generation and local energy demand
- Establish an experience exchange between these projects in order to create a critical mass to stimulate market and regulatory conditions.



Project benefits



- Enhanced introduction and financial impact of renewables and distributed power generation (eg cogeneration)
- Increased energy efficiency (smart monitoring)
- Reduced impacts on the energy grid system through load prediction, peak load contribution and power quality
- Stimulated market and regulatory framework



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