A method to determine a configuration of services that enable CSB's to become

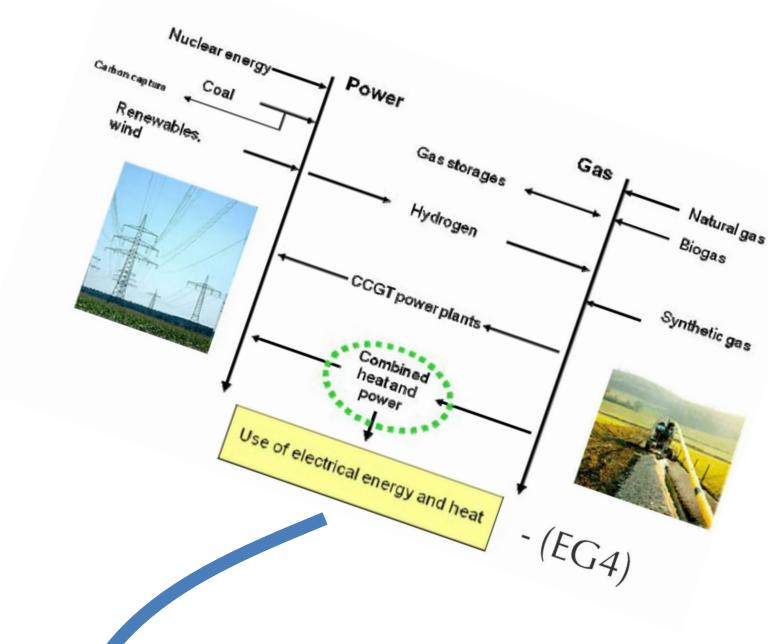
viable



- To develop a method to determine a configuration of services that • To develop a method to determine a configuration of service.

 enables a cooperative smart grid business ecosystem (CSB) to pecome viable

 To determine a list of requirements of a viable CSB of an ICT reference architecture of a viable CSB



Project: Future energy systems Theme: Embedding decentralized energy supply in the infrastructure Promoter: prof. dr. ir. J.C. (Hans) Wortmann

Supervisor: prof. dr. G.B. (George) Huitema

PhD Candidate: Austin Dsouza

scove

 Study smart grids in context of interaction between electricity & gas grids

Study the interaction in CSB's

 Study business models at the organizational level and at ecosystem level

 Operationalise knowledge via value network modelling technique

 The modelling technique should allow for visualizing smart grid business models in terms of:

√ Stakeholders

√ Value exchanged (tangible & intangible)

✓ Value activities

✓ Ecosystem

✓ Information

✓ Constraints (social & technological)

V.....

"Smart gas grids
cannot be developed in
isolation from smart
electricity grids"

Results

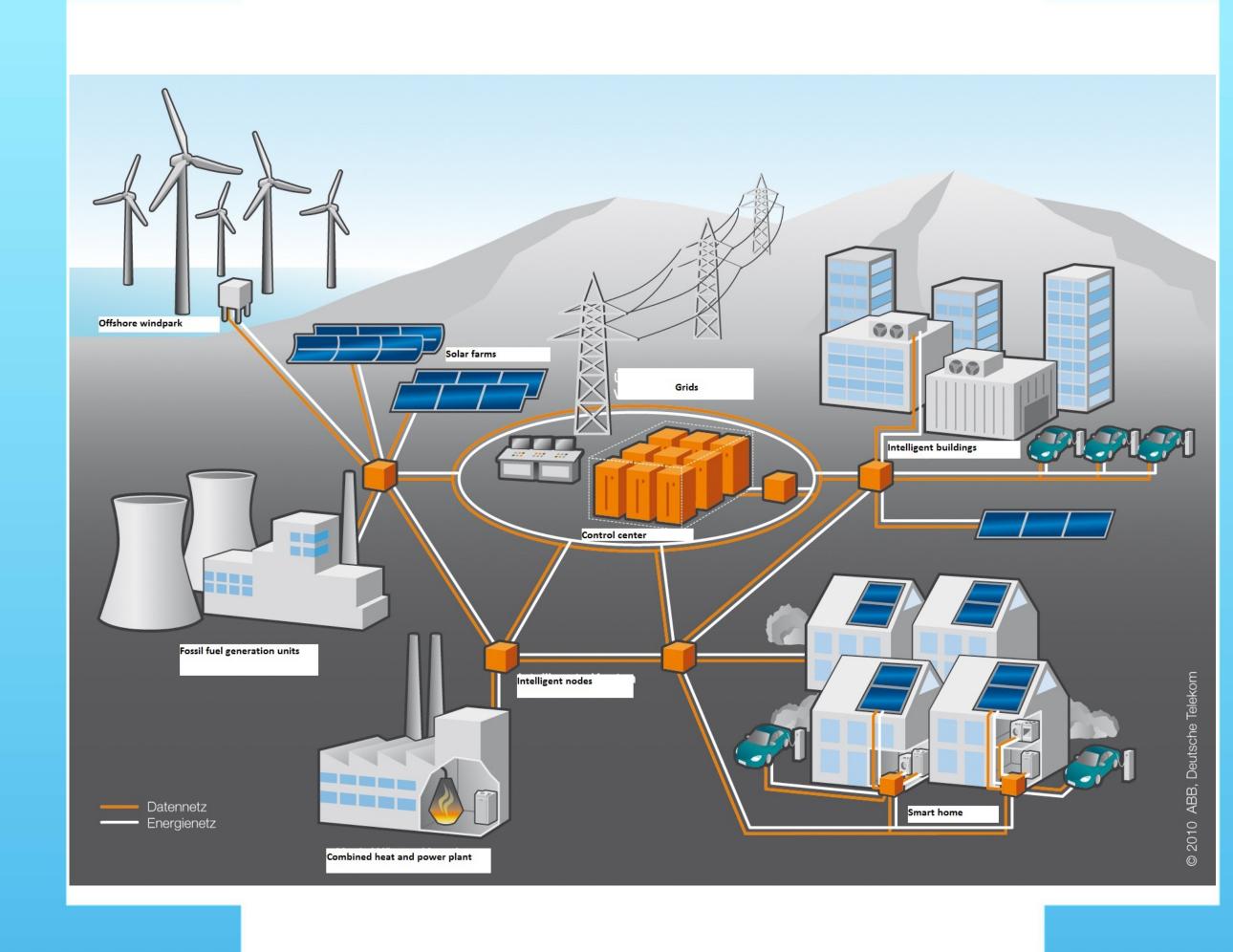
- Robust, scientific method that allows one to determine a configuration of services that enables a cooperative smart grid business ecosystem (CSB) to become viable
- Business requirements for the ICT reference architecture of CSB's

CSB's consist of firms and persons that are formally and informally interdependent on each other in order to create and capture value (economic & non-economic). Further, these interdependencies are supported by SG technologies - (Stabell & Fjeldstad, 1998; Peppard & Rylander, 2006; Allee, 2002)

Methodology

Case study

Smartgrid business ecosystem



university of groningen



