



# Dual track governance of transitions: an agency perspective.

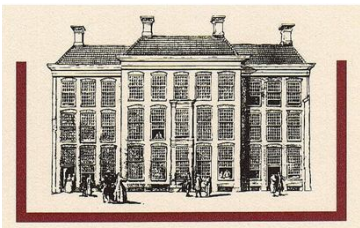
Lessons from cases on health and agriculture in the Netherlands

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ASSR ([www.assr.nl](http://www.assr.nl))

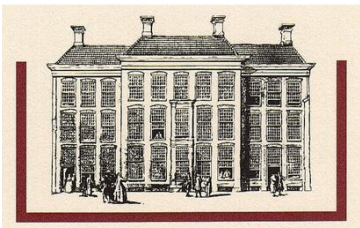
Knowledge-network System Innovations ([www.ksinetwork.nl](http://www.ksinetwork.nl))





# Persistent problems and socio-technological systems

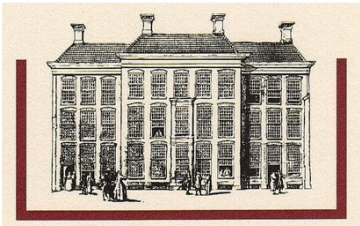
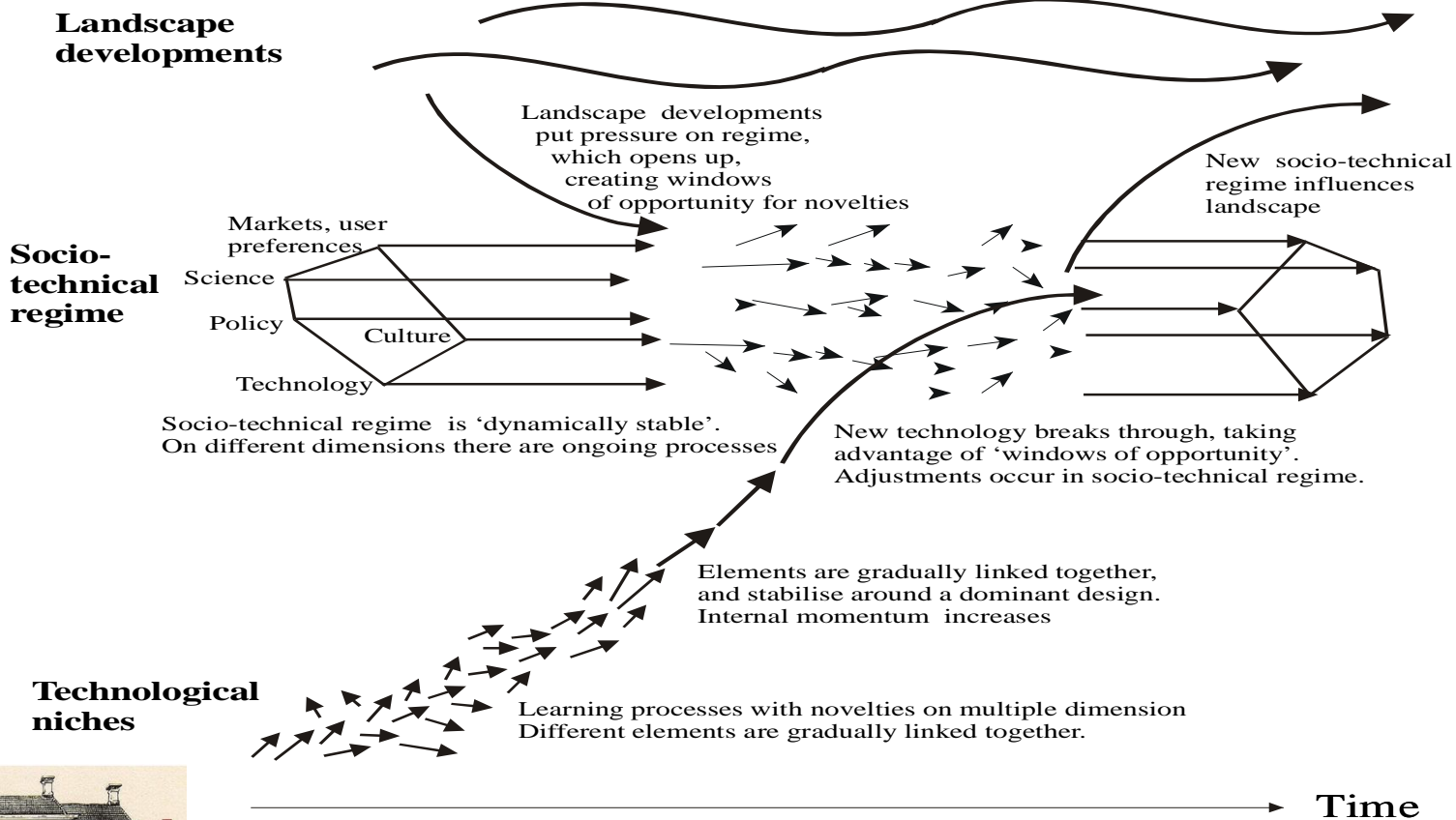
- Persistent problems
  - Problems to re-focus health care on prevention
  - Animal welfare in intensive agriculture
  - Water management: how to keep fry feet
  - ... And so on...
- Due to:
  - Side effects of established, institutionally embedded patterns of action,





# The multilevel perspective for transitions

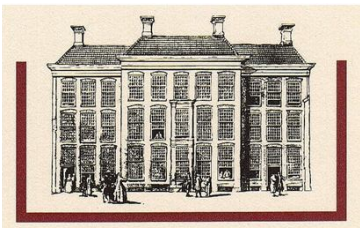
## - Geels (2005 [2002])



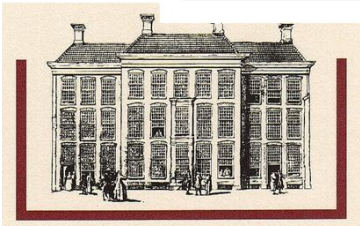
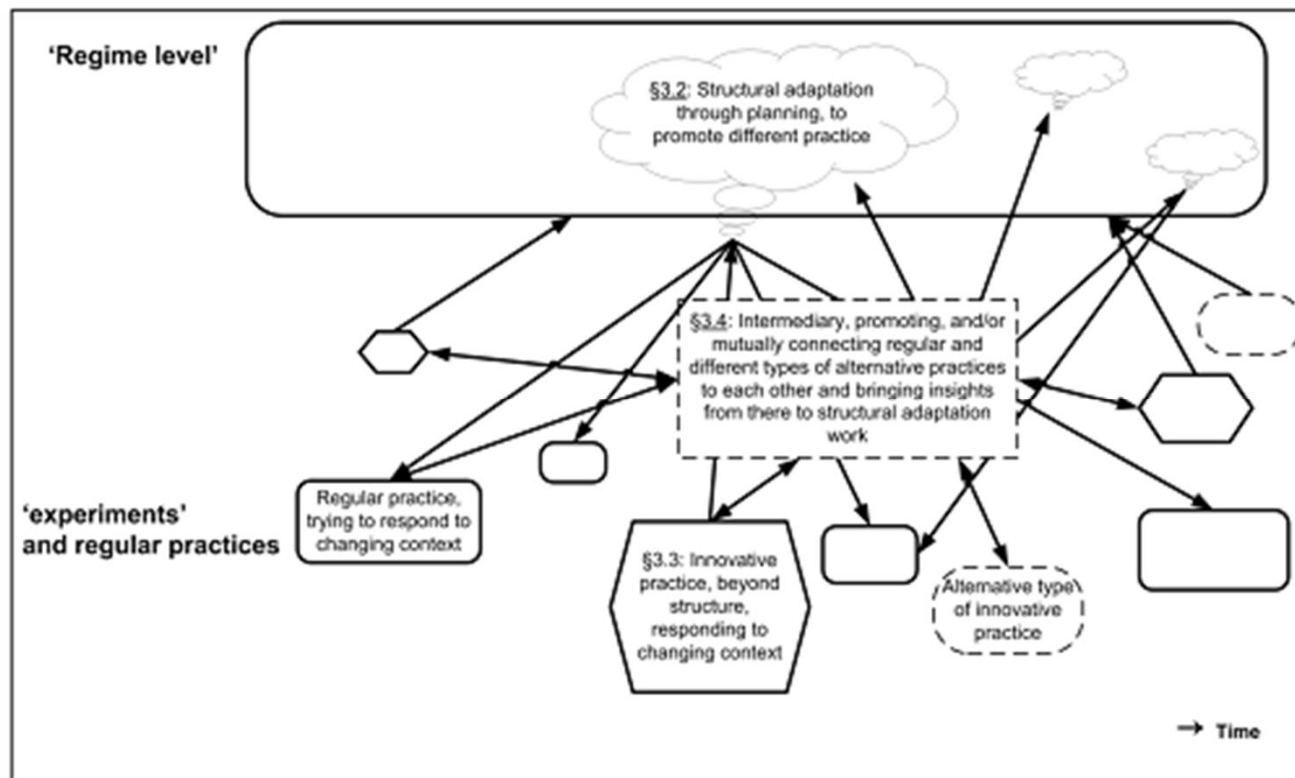


# The governance challenge of transitions

- The challenge:
  - redirecting the co-evolution of structure and agency
  - towards sustainable development as a normative orientation,
  - amidst the turbulence of a variety of exogenous trends
- Crucial therefore is
  - second order reflexivity (Voß & Kemp, 2006)...
  - Of distributed agents



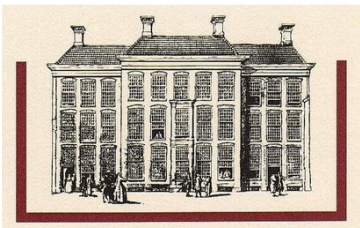
# Dual track Governance (Grin, 2006; 2010)





## Useful conceptual criticism...

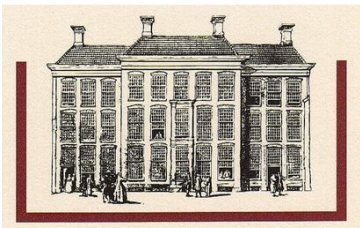
- ...by e.g. Berkhout, Shove & Walker, Smith, Stirling, Meadowcroft...
- ... supported by documented empirical experience (Loorbach, Kern, Hendriks)...
- ...implies that several points need (more) critical attention:
  - the powering and legitimizing bound to be involved in defining and influencing transitions
  - More specifically: the 'who', 'how' and 'where' of such 'politics'





# Politics in transitions

- Transitions
  - presuppose transformation of power relations and the creation of legitimacy
  - But may also
  - help to achieve these conditions
- Thus we need a model of power transformation in relation to transition dynamics



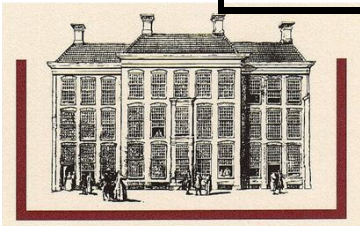




## Politics in transitions

- Power dynamics and multilevel dynamics may shape each other

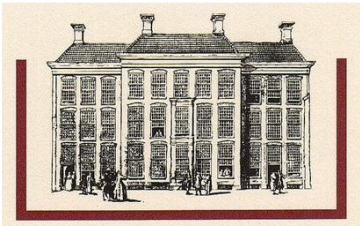
Type of power	Focus	level
Relational	Achievement of outcomes by agents in interaction.	Experiments
Dispositional	Positioning of agents in a regime (rules, resources, actor configurations and dominant images)	Regime
structural	Structuring of arrangements, (changing orders of signification, domination and legitimisation.	landscape







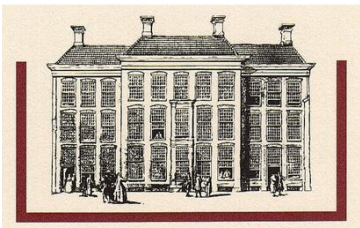
## Case 1: the Hercules project for sustainable pig husbandry





## Project set up

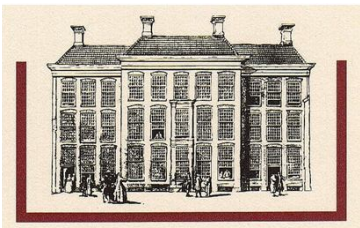
- By Wageningen UR
- Training in
  - iTA method
  - STD method
- Part of two larger programmes





## Core idea

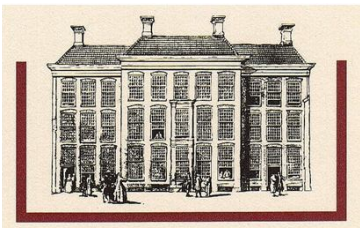
- Convex belts
  - separation dry and fluid parts of manure
  - Re-use for crop production
- Much space per animal; straw





## Barriers in the project

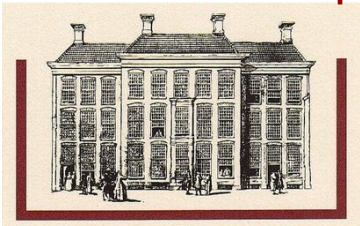
- Difficult to have an integral stable produced
  - Dispositional power as market structure & routines
- Prize increase did not fit incumbent market
  - Cost calculations based on traditional assumptions
  - Dispositional power as market structure





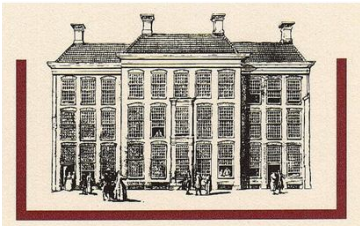
## Implications

- Need for:
- a more systematic method for 'reflexive design'
  - Bos, Bos et al; Schuitmaker
- develop an institutional design, a 'systemic instrument'
  - Inspired by work from Innovatienetwerk
  - At the centre an intermediary, who connects experiments to regime actors
  - Tested in Port of Amsterdam; telecare





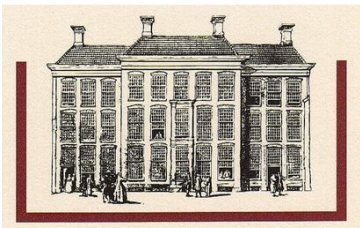
## Case 2: a project on telecare





## A case on telecare

- Videoscreen as an intermediary between client and care professional / organizations
- Intended benefits
  - Clients
    - Autonomous over own care
    - Optimally maintain self-reliance
    - More sense of contact
  - Professionals
    - More sense of contact
    - Client satisfaction
    - 'I've got my profession back'



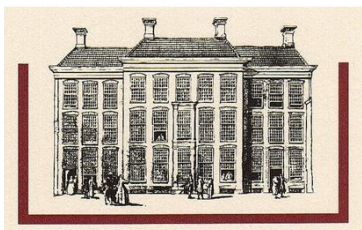
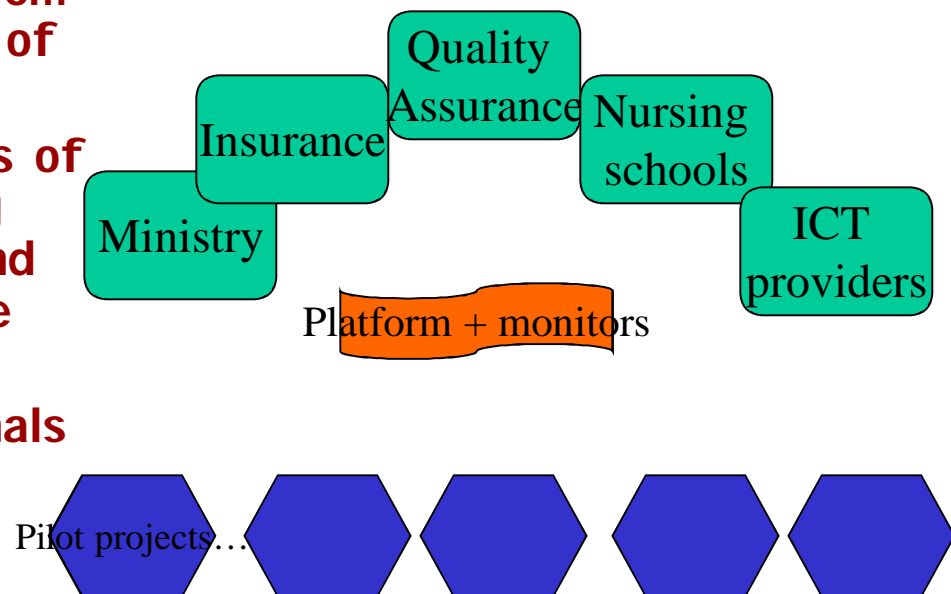




## Programme design

Telecare must be response to

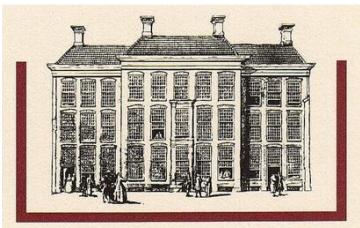
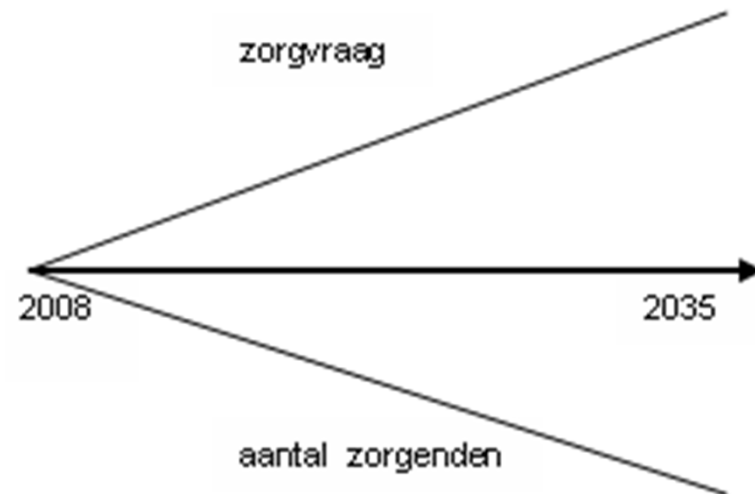
- Demand-supply discrepancy on the care labour market
- shift in voluntary care from relatives to 'communities of fate'
- desire of new generations of elderly people for making their own life choices, and to be in charge over care received
- desire of care professionals to regain some room for professional action





## A worrying discrepancy!...

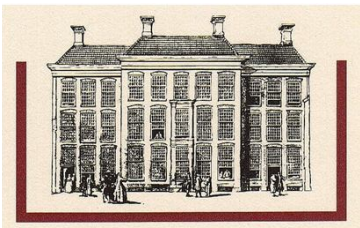
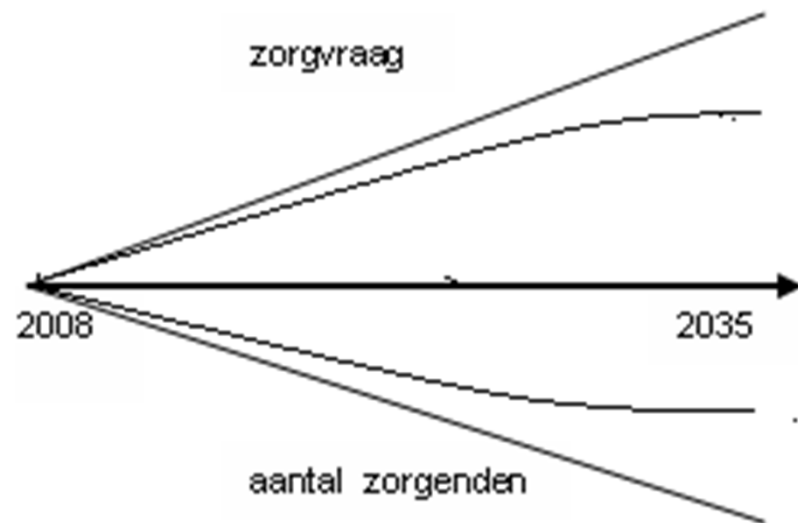
- More elderly people
  - More demand
- Diversification (< individualization, immigration etc.)
  - More complex demand
- Steady decrease in interest in the profession





... that might be resolved!?!

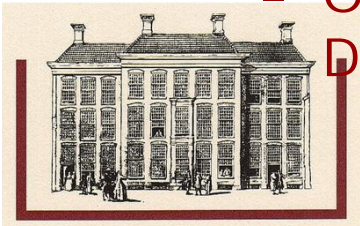
- Client center stage
  - More satisfaction
  - More agency
  - Less need for care
  - Care may become more easily tailor made
- And..
  - More room for professional logic (vis-à-vis market, bureaucratic logic)
  - More contact
  - 'real care





## But... will we get the opportunity?

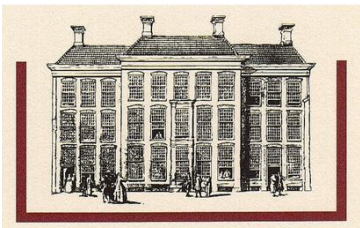
- Some doubts remained under participating organizations.
- Programme thus
  - emphasized that they could, would approach regime actors with this message
  - pointed to the fact that the labour market problem, due to landscape tendencies, was actually putting pressure on the incumbent regime > less dispositional power for existing care; opportunities for new care.
  - Organized a day with care givers: Promising Perspective Day





## How to ensure that we get it?

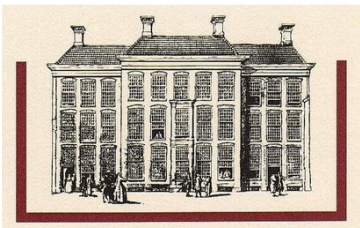
- A Promising Perspective (PP) Day with professionals
  - Learn about their feelings
  - Learn how they see the primary process
  - Learn what boundary conditions they deem necessary
- Meanwhile...
  - 'hard data' on clients' and professionals' experiences
  - Policy makers believe telecare could help resolve labour market problem...
  - ... and did not think money was the real problem





## Outcome of episode 1

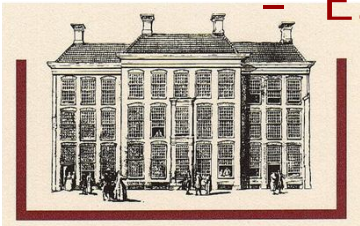
- Labour market problem central
- Link that problem to debate & movement on professionalims
  - Mobilize structural power and relational powewr (new allies in other care sectors)
  - Better understanding
  - Political legitimacy
- Essential features primary process were outlined:
  - telecare integrated in care practices;
  - Autonomy clients & professionals
- I identify associate structural conditions
- Create momentum by appealing to regime actors and others





## Episode 2: inscribing new professionalism in the technology

- New professionalism (Elid Freidson):
  - Re-appreciation of professional logic...
  - Without return to patronizing
- Tonkens: constitutions
- Akrich: technological script:
  - Appliances and infrastructure may 'ensure' novel type of practices
  - E.g define services from lifeworld, not from supply side

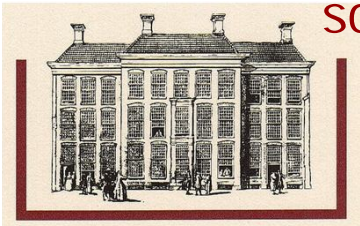






## Episode 2: inscribing new professionalism in the technology

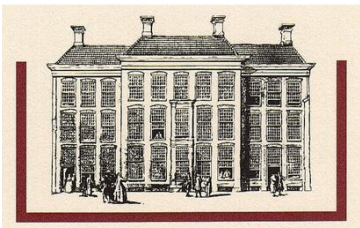
- But... how to inscribe the constitution in the technology?
  - Programme leaders, monitor, ICT advisers could formulate guiding principles
  - Problem: get them into the technology across cultural differences between ICT and care
    - Firm 1: big players not really interested in 'out-of-the-box' project for an 'out-of-their world' target group
    - Firm 2: really interested in marketing and helping to upscale, but start first with the non-complicated technology
  - Thus: the regime reproduced itself > inertia. Now being solved through involvement of sympathetic ICT people





## Conclusions (1)

- Reflexive design could
  - Help redefine problem definition
  - Connect problem, telecare as solution to landscape trends
  - Outline practice plus structural conditions
    - Although not entirely systematic
    - Repertoire may be developed (e.g. Bos, Smith)
  - Thus prevent programme from derailing
- More difficult: regime of current ICT market
  - May eventually be solved by increasing relational power through developing a credible alternative





## Further reading?

- Grin (2004), *Poiesis & Praxis* [Health TA]
- Grin e..a (2004) *Int J Foresight & Innovation Policy*
- Bos 2008 *Social Epistemology*
- Groot Koerkamp & Bos 2008, *NL J. Agrarian Studies*
- Bos & Grin 2008 *Science, Technology & Human Values*
- Grin, Rotmans, Schot (2010). *Transitions to Sustainable Development*.
- Lissandrello & Grin, forthcoming in *Planning Theory and Practice*
- Schuitmaker forthcoming

