Windkracht 13

Openbreken van de markt voor kleine en middelgrote windturbines

Het belang van ruimte en energie

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Intro

Interdependence of energy and spatial planning

(rebound effect of energy efficiency)

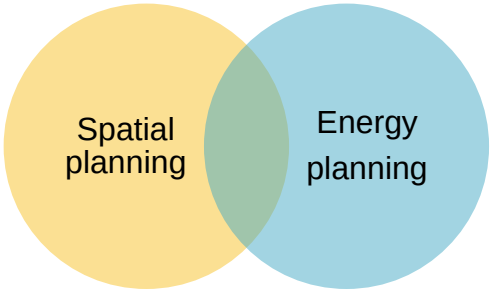
- Reducing energy demand: a massive challenge
- Decentralisation and 'spatialisation' of energy production

Sectorial approaches in spatial and energy planning in literature

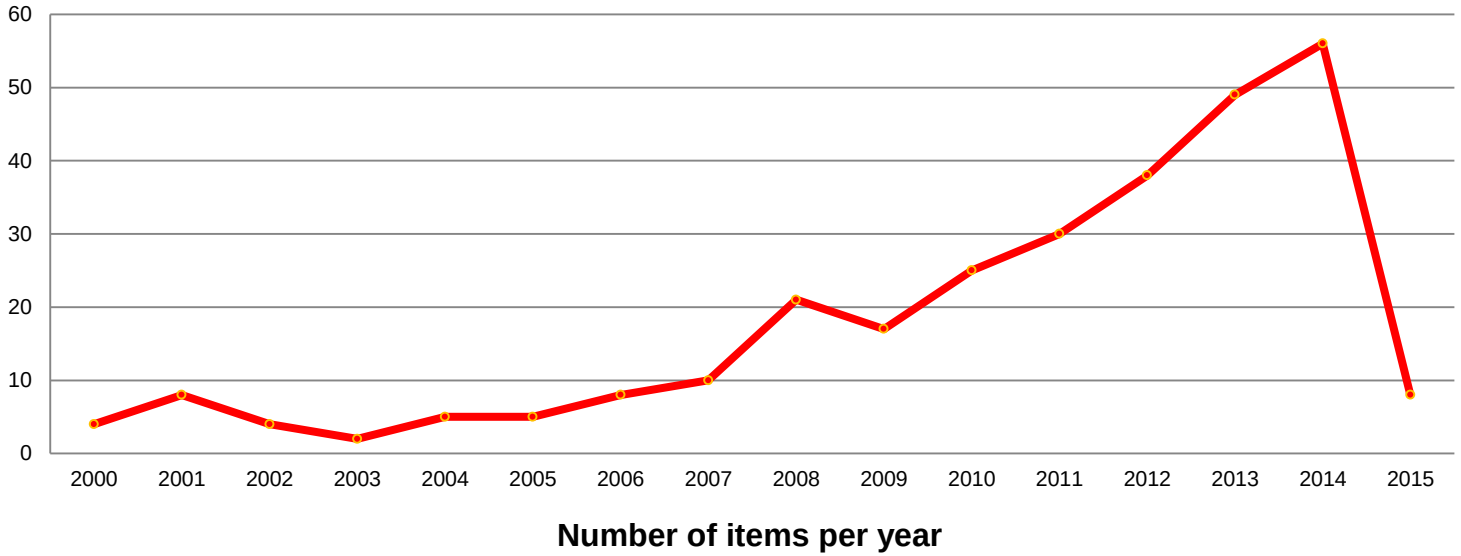
- Focus on a single field
- One to one interaction

Why spatial and energy planning?

We need an integrated approach



Number of articles on the interrelation between spatial and energy planning



Theme clusters

- urban form and energy consumption reciprocal influences energy performance of built environment
- role of urban planning in energy demand reduction and efficiency use
- onsite and renewable energy transition
  - impacts on spatial system and landscape
  - energy symbiosis, circular economy

Useful but only part of the picture

Extend the discourse:

- Beyond the technological approach
- Beyond the quantitative method
- Beyond sectorial viewpoints and strategies
- The space-energy interaction is complex, situational and specific

Challenges and research agenda

- less sector specific, less spatial focus, but open and diverse
- discursive, collaborative, informal
- actor-relational approaches
- socio-technical