# Appendices

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Primary data collection in the case study research

Multiple case study on peri-urban transformations in Europe (Chapter 2)

The analysis of peri-urban developments in the European city regions of Leipzig, Montpellier, The Hague and Warsaw was part of the European Sixth Framework Programme research consortium PLUREL. This consortium included 31 academic and regional project partners. The case study areas presented in Chapter Two of this thesis were researched by a team. Next to the author of this thesis, the team included Prof. Dr. Gert de Roo, Dr. Delik Hudalah, Corien Kuiper, Koen Klieverik, Marc Beeftink, Richt van der Meer and Stefan Hartman.

The interviewees were selected in three ways: 1) with help of the local project partners who functioned as gatekeepers, 2) by using a snowballing technique and 3) through a web-based search on key stakeholders in the concerned regions. The interviews were semi-structured in nature, recorded and anonymous to avoid potential barriers to the interviewees to share their knowledge and experiences. The face-to-face interviews were generally conducted by two members of the research team and structured with help of an interview guide. A few interviews were conducted by one researcher due to time constraints. The interview topic list was sent to the interviewee in advance by email. Also a map of the region was brought along to the interview meeting.

For each city region particular attention was given to two specific locations, in addition to the overall analysis of the region. These specific locations were selected as they showed in a more tangible way the integration of the urban and the rural. Field visits were carried out as part of the analyses of these locations. Appendix D provides an overview of these field visits.

The analysis of the data was done in two steps. First, a case study report about each city region written by the principle researcher(s) for this region. Second, a general report analysing and comparing the development trajectories of the four city regions in which the author of this thesis is the lead author.
Interviewees

Interviewees Region of Montpellier, 20-30 May 2008:

Conducted by Ward Rauws and Marc Beeftink
- Interviewee MA - two teachers, School of architecture Montpellier
- Interviewee MB - urbanist/architect, expert on the urban expansion of Montpellier
- Interviewee MC - Montpellier Agglomeration, expert on the Schéma de Cohérence Territoriale
- Interviewee MD - planner Montpellier Agglomeration
- Interviewee ME - political scientist, University of Montpellier I
- Interviewee MF - real estate developer, Montpellier region
- Interviewee MG - staff member Centres d’initiatives pour Valoriser l’Agriculture et le Milieu Rural Languedoc-Roussillon (organisation to promote innovative farming)
- Interviewee MH - researcher SupAgro, UMR Innovation; Innovation and Development in Agriculture and the Agrifood Sector
- Interviewee MI - staff member Département Hérault, division of agriculture
- Interviewee MJ - real estate developer, Montpellier region
- Interviewee MK - two master students SupAgro, involved in a research project on farming in the Montpellier region
- Interviewee ML - mayor and a civil servant, municipality of Villeveyrac
- Interviewee MK - city planner, Municipality of Montpellier

Interviewees Warsaw region, 9-15 April 2008:

Conducted by Ward Rauws and Marc Beeftink
- Interviewee WA - Civil servant city of Warsaw
- Interviewee WB - Director of non-profit organisation, university researcher and former civil servant city of Warsaw
- Interviewee WC - Researcher, Technical University of Warszawa
- Interviewee WD - Researcher, Technical University of Warszawa
- Interviewee WE - Director of private real estate research company, Warsaw
- Interviewee WF - Researcher, Technical University of Warszawa
- Interviewee WG - Private real estate developer
- Interviewee WH - Civil servant, city of Warsaw
- Interviewee WI - Researcher, University of Warszawa (interview conducted in The Hague, 1 October 2008)

PRIMARY DATA COLLECTION IN THE CASE STUDY RESEARCH
Interviewees Greater The Hague Region, 5 January – 30 June 2008:

Conducted by Delik Hudalah and Stefan Hartman
- Interviewee HA - Advisor for Greater Hague Region, department of spatial planning
- Interviewee HB - Alderman of the municipality of Midden-Delfland
- Interviewee HC - Advisor for the Greenservice of South-Holland, Province of South-Holland
- Interviewee HD - Project manager for the municipality of The Hague, department of spatial development
- Interviewee HE - Real estate developer, Delft
- Interviewee HF - Project manager for the municipality of The Hague, department of spatial development
- Interviewee HG - Advisor for the municipality of Midden-Delfland, department of spatial planning
- Interviewee HH - Manager at Greater Hague Region, department of spatial planning
- Interviewee HI - Alderman of the municipality of Leidschendam-Voorburg
- Interviewee HJ - Advisor for the municipality of The Hague, department of spatial development
- Interviewee HK - Landscape architect, The Hague
- Interviewee HL - Advisor for Greater Hague Region, department of nature and environment
- Interviewee HM - Advisor for Greater Hague Region, department of spatial planning and international affairs
- Interviewee HN - Researcher University of Amsterdam, Amsterdam

Interviewees Leipzig region 13-15 May 2008:

Conducted by Corien Kuiper en Koen Klieverik
- Interviewee LA - Researchers The Helmholtz Centre for Environmental Research (UFZ), Leipzig
- Interviewee LB - Regierungspräsidium Leipzig
- Interviewee LC - project manager, municipality of Leipzig
- Interviewee LD - Civil servant Stadtplanungsamt Leipzig
- Interviewee LE - Civil servant Stadtplanungsamt Leipzig
Topic list interviews

Part A. Introduction

• Introduction by the respondent about his/her function and tasks

Part B. Development of the peri-urban area

Past
• Evolution of the relation between the city of X and its hinterland during the last decades
  - perception of peri-urban area
  - characteristics of the peri-urban area
  - function of the peri-urban area in the region
• Trends that have dominated the development of the urban fringe during the last decennia
  - population
  - economy and employment
  - land use
  - environment
  - mobility
  - culture
  - others
• Important projects in the development of the urban fringe of the city of X
  - autonomous or induced developments
  - private, public, PPP or other
• Changing conditions that have influenced the rural-urban relationship
  - socio-political, economic, ecological changes
  - behaviour of government, non-government, and private sectors
  - particular events
  - others

Nowadays
• Areas in the urban fringe that are presently under transformation and how the developments that are part of these transformations can be characterised
  - autonomous or induced development
  - private, public, PPP or other
• SWOT analysis of the development of the urban fringe (strengths, weaknesses, opportunities, threats)
Future
• Possible future developments with regard to the development of the urban fringe
  - government policies
  - infrastructure
  - housing
  - leisure
  - sustainability
  - other trends

Part C. Conclusion
• Additional remarks/information that could be in support the research
• Tips on complementary documentation for the research
• Suggestions for future interviewees

Single case study on cohousing project Achter de Reitdijk (Chapter 3)

The analysis of cohousing project Achter de Reitdijk was embedded in a broader research project on ten cohousing projects in the Netherlands and Germany in total (see figure A1). These other project were used as references cases for the analysis of Achter de Reitdijk. The Achter de Reitdijk case was researched by the author of this thesis. The other projects were analysed by a research team. Next to the author of this thesis, this team included Aleksandr Ignatev, Mark Zandvoort, Mieke de Groot and Rens Baltus. All of them were students in the Master’s degree programmes Environmental and Infrastructure Planning and Socio-Spatial Planning at the University of Groningen.

In preparing the analysis of Achter de Reitdijk, three explorative interviews were conducted with experts from both the public and private sector. The aim of these interviews were to acquire a general understanding of how cohousing projects are developed and of the contextual influences on these projects. For the analysis of the project Achter de Reitdijk eight semi-structured interviews were held. The interviewees were identified with help of the project advisor of KUUB and by using a snowballing technique. The Interviews were generally one-to-one conversations, although two interviewees invited an extra person to the interview meeting. The interviews were recorded and transcribed.
Explorative interviews

- Ms. Ritsema, Bureau Ritsema, 16 April 2012
- Ms. Visser, Stuurgroep Experimenten Volkshuisvesting, 22 December 2011 (by telephone)
- Ms. Scheuders, Stuurgroep Experimenten Volkshuisvesting, 1 April 2012

Figure A.1
While the overall study includes a total of ten Dutch (NL) and German (D) cohousing projects, this thesis presents an analysis of the ‘Achter de Reitdijk’ project in Chapter 3. It is a cohousing initiative in which the members were mainly focused on building their future homes together (scheme: Zandvoort et al., 2013).
Interviewees Achter de Reitdijk

- Mr. Gietema and Mrs. Van Oost, KUUB, cohousing consultancy, 4 January 2012
- Ms. Ilse van Oost, project advisor KUUB, inhabitant, 25 January 2012
- Mr. Brondijk, advisor housing, Rabobank Stad en Midden Groningen, 8 March 2012
- Mr. Van Riemsdijk, project leader, municipality of Groningen, 27 January 2012
- Mr. Haks, head dept. housing & monuments, municipality of Groningen, 21 March 2012
- Mr. Miedema, inhabitant/project member, 4 April, 2012
- Ms. Wolfs and Mr. Maring, inhabitants/project members, 10 April 2012
- Mr Metselaar, inhabitant/project member, 12 April 201

Topic list interviews inhabitants

Part A. Introduction

• How the inhabitant got involved in the project and based on which motivation

Part B. Development process of Achter de Reitdijk

• Internal organization of the project members
  - division of responsibilities
  - activation of his/her personal network in support of the project
  - structuring of the internal communication and decision making process
  - formal and informal rules with the group
  - key moments and difficulties in the development process
  - recruitment of project members
• Support by external actors in the development process
  - role and function of KUUB
  - role and function of the architect and landscape architect
  - role and function of the local planning department of the municipality of Groningen
  - integration of the design conditions set by the municipality
• Financial aspects of the project
  - how were the required pre-investments financed
  - how collective investments are organised and decided upon
• Reflection on the project and the development process
  - differences with a traditional housing project
  - effects on social interactions with neighbours
  - overall evaluation of the development process
Part C. Conclusion

• Additional remarks/information that could be in support the research
• Tips on complementary documentation on the project
• Suggestions for future interviewees

Topic list interviews external actors

Part A. Introduction

• Introduction by the respondent about his/her function and tasks in the development process of the project
• Experiences with cohousing projects in general

Part B. Development process of Achter de Reitdijk

• Influence of the respondent and his/her organization on the internal organization of the project members
  - division of responsibilities
  - structuring of the internal communication and decision making process
  - formal and informal rules in the interaction with the group
  - key moments and difficulties in the development process
  - support recruitment of project members
• Relation to other external actors
  - KUUB / architect / landscape architect / construction company / bank / municipality of Groningen in the development process
  - evaluation of the influence of these actors on the development process
• Financial aspects the project
  - possible alternative financial arrangements that allow project members to do pre-investments
• Reflection on the project and the development process
  - differences with a traditional housing project
  - the design conditions set by the municipality
  - overall evaluation of the development process

Part C. Conclusion

• Additional remarks/information that could be in support the research
• Tips on complementary documentation on the project
• Suggestions for future interviewees
Multiple case study on organic area development in the Netherlands (Chapter 3 and 6)

The analysis of the organic development strategies (ODS) that are applied in the development of Vossenpels (city of Nijmegen) and Oosterwold (city of Almere) are part of larger research project. In this project in which in total twelve areas were examined in which ODS are applied or the possibility to do so is explored (see table 6.1). These projects were analysed by a research team. Next to the author of this thesis, the team included Anke van der Wiel, Bart van der Helm, Frank Brander, Ingmar Hoen, Lars Blokker and Nick van der Voort. All of them were students in the Master’s degree programmes Environmental and Infrastructure Planning and Socio-Spatial Planning at the University of Groningen. For the analysis of Vossenpels and Oosterwold the other analysed cases were used as references cases.

In preparing the analysis of Vossenpels and Oosterwold four discussion meetings on ODS were attended to acquire a general understanding of what ODS practices comprise. For the analysis of the development areas themselves nine semi-structured interviews were conducted. These interviews were held with experts, as the main aim of the study was to gain understanding on the specificities of ODS in comparison traditional urban development programmes. The interviewees have been identified with help a web search and policy documents. The interviews were recorded and transcribed. Most interviews were face-to-face conversations. However, for practical reasons two interviews were conducted by telephone.

The analysis of Vossenpels included a field visit (Appendix D). Such a visit was not conducted for the analysis of Oosterwold since the area is still in its very early stages of development and would therefore not provide substantial new information.

Discussion meetings

RVOB-Café: ‘Gebiedsontwikkeling 2020’ [Area development 2020],
7 December 2010, The Hague
- Meeting with around 200 policy makers and practitioners involved in urban

1 The focus differed per case: Some case study analysis were concerned the design of planning rules and regulations in enabling and guiding organic area development and the responsibilities of actors. Others mainly focused on financial arrangements, spatial quality and the effects of specific physical area characteristics.
planning and development. Expert contributions from: Mr. Arnoldussen (Rijksvastgoedbedrijf), Mr. Jagersma (Syntrus Achmea Vastgoed), Mr. Stroink (TCN), Mr. Tellinga (Gemeente Almere), and Mr. Kuijpers (Directoraat-generaal Ruimte, Ministerie van Infrastructuur en Milieu)

**BNSP working group meeting: Organic area development, 8 March 2013, Amsterdam**
- 10 participants: Mr. Waterhout (OTB); Ms. De Jong (Twijnstra & Gudde); Mr. Van Huut (Rijkswaterstaat); Mr. Jutstra (Stadsdeel Amsterdam); Mr. Van der Heijden (Bestuursdienst Amsterdam); Mr. Evers (Planbureau voor de Leefomgeving); Mr. De Waal (Nederlandse Spoorwegen); Mr. Van der Veen (Provincie Zuid-Holland); Mr. Stoffels (Urhahn Urban Design); Mr. Rauws (Rijksuniversiteit Groningen)

**RAAMM Atelier session organic area development, 28 March 2012, Almere**
- 21 participants: Mr. Fleischer (Landschap Noord-Holland); Mr. Overtoom (Bouwend Nederland), Mr. Briet (Milieufederatie Noord-Holland), Mr. Ravoo (Nederlandse Spoorwegen); Mr. Swaan (countus Accountants); Mr. Hogenboom (woningbouwcorporatie Eigen Haard); Mr. Schartman (Gemeente Almere), Mr. Meulemeester (Gemeente Almere); Mr. Slingerland (Rijksvastgoedbedrijf); Mr. Ruis (Directoraat-generaal Ruimte, Ministerie van Infrastructuur en Milieu); Mr. Saar (Directoraat-generaal Ruimte, Ministerie van Infrastructuur en Milieu); Mrs. De Zeeuw (Directoraat-generaal Ruimte, Ministerie van Infrastructuur en Milieu); Mr. Smets (Provincie Flevoland); Mr. Balk (Provincie Flevoland); Paul Langeweg (RAAMM); Ms. De Jong (Twijnstra & Gudde); Mr. Witteman (Provincie Noord-Holland); Mr. Leenen (Gemeente Almere); Ms. Jansen (Ministerie van Infrastructuur en Milieu); Mr. Rauws (Rijksuniversiteit Groningen)

**PBL/Platform 31/ Urhahn Urban Design discussion meeting/workshop**
‘Vormgeven aan de spontane stad: hoe werkt organische gebiedsontwikkeling in de praktijk’ [Shaping the spontaneous city: how does organic area development work in practice], 30 October 2012, Amsterdam
- Meeting with around 100 policy makers and practitioners involved in urban development. Expert contributions from: Mr. Feenstra (Urhahn Urban Design), Mr. Raatgever (Platform 31); Mr. Uitermark (Erasmus Universiteit Rotterdam)
Interviewees

- Ms. Borkent, Strategic Advisor, municipality of Almere, department urban development, 25 June 2013, 20 October 2013 (conducted by Nick van der Voort/Bart van der Helm)
- Ms. Cornielje, Process manager, Grond Exploitatie Maatschappij Waalsprong, 10 juli 2013 (conducted by Nick van der Voort)
- Ms. Deijs, project assistant Oosterwold, municipality of Almere, 30 mei 2013 (conducted by Nick van der Voort)
- Mr. Van Deursen, project director Almere Poort and member for the project team on the development strategy for Oosterwold, municipality of Almere, (conducted by Bart van de Helm)
- Ms. Geuting, project manager Oosterwold, municipality of Almere & Zeewolde, since July 2014 (by telephone, notes were send for verification)
- Mr. Meuwese, project manager Oosterwold, municipality of Almere & Zeewolde, until July 2014, 28 January 2014 (conducted by Bart van de Helm, by telephone)
- Mr. Stoffels, Urhan Urban Design, 26 November 2013 (conducted by Bart van der Helm)
- Ms. Waterval, Gemeente Nijmegen, senior juridisch adviseur, 21 June 2013 (conducted by Nick van der Voort)
- Ms. Zuuring, Grond Exploitatie Maatschappij Waalsprong, Woonconsulent, 27 August 2014 (during field visit, notes were send for verification)

Topic list interviews

Part A. Introduction

• Introduction by the respondent about his/her function and tasks in the development process of the area

Part B. Development process of Oosterwold/Vossenpels

• Motivation for applying an organic development strategy
  - the process of drafting an organic development vision
  - actors involved in this process
• Planning Framework that guides the organic development of the area
  - considerations and principles behind the design of the development framework
  - use of formal planning instruments (e.g. zoning plan)
  - public facilities (infrastructure, public green, sewage system, schools etc.)
- phases in the development trajectory
- planning rules and regulations on plot level

• Individual project initiatives
  - type of initiatives that are started
  - characteristics of initiators
  - role and function of external actors (e.g. public planners) in the development of these initiatives

• Development steps for starting a self-managed initiative
  - gaining interest of potential initiators
  - selection and shape of the plot
  - design of the project
  - transaction of the land
  - financial risks

• Monitoring and evaluation
  - aspects that are subject to monitoring and evaluation
  - embeddedness of monitoring and evaluation activities in the development process

• Reflection on the development process
  - differences with a traditional urban development programmes
  - key moments and difficulties in the development process

Part C. Conclusion

• Additional remarks/information that could be in support the research
• Tips on complementary documentation on the project
Field visits peri-urban transformations in Europe (Chapter 2)

The city regions have been visited by members of the research team. In each region two locations were analysed in further detail by means of observation, secondary data collection and in some occasions interviews with local stakeholders (see Appendix A):

- Montpellier:
  - Saint-Jean-de-Védas, Villeveyrac (conducted by Marc Beetink and Ward Rauws)
- The Hague: Midden Delftland, Vlietzone (conducted by Stefan Hartman)
- Leipzig: Lake Zwenkau, Saalepark (conducted by Corien Kuiper and Koen Klieverik)
- Warsaw: Kabaty area, The royal route to Wilnanów Palace (conducted by Marc Beetink and Ward Rauws)

Other field visits

- Blauwestad (Chapter 5), 14 March 2012 (conducted by Marc Beetink, Matthew Cook and Ward Rauws)
- Achter de Reitdijk (Chapter 3), 25 January 2012
- Vossenpels Nijmegen (Chapter 6), 27 August 2014
APPENDIX C

Overview of secondary date sources

Peri-urban transformations in Europe (Chapter 2)

Leipzig
- Nuissl, H., D. Rink (2005), ‘The production of urban sprawl in eastern Germany as a phenomenon of post-socialist transformation.’ Online available: URBS PANDENS 5 March 2005
Montpellier
- Bosc, S. (2005) La ville par paquets, Le développement des lotissements dans l’aire urbaine de Montpellier ou la fable du village, PhD report, University Politècnica, Barcelona
- CETE Méditerranée (2006) CETE SCOT; Le Schéma de COhérence Territoriale Montpellier
- INSEE (2002a) Mini atlas de la communauté d’agglomération de Montpellier. Repères Document de travail, No. 4
- INSEE (2006) Projections de population pour la France métropolitaine à l’horizon 2050, Insee Premiere, No. 1089
The Hague
- Berg, L.M. van den & IJkelenstam, G.F.P. (1983) Landuse dynamics in the rurban fringe, two case studies compered: Lusaka (Zambia) and Haaglanden (Netherlands), Institute for land and water management research, report nr. 11, Wageningen
- CBS (2008) bevolkingsgroei Regio Haaglanden, statline.cbs.nl
- Province of South Holland (2002) The Green-blue Meander. City and countryside in balance; Toward a green-blue lifeline running through South Holland’s western urban area

Warsaw
- Wasilewski, A. & K. Krukowski (2002) CEESA Discussion paper no. 8

**Cohousing project Achter de Reitdijk (Chapter 3)**

- Gemeente Groningen (2007) Achter de Reitdijk stedenbouwkundig plan sportvelden Paddepoel zuidwest
- KUUB (2008) Stroomschema levering grond Vereniging Achter de Reitdijk
- KUUB (2009) Scan rekenschema tussenwoning Achter de Reitsdijk, 7 december 2009
Blauwestad (Chapter 5)

- Commission Alders, Bakker, Doets (2009) Een toekomstperspectief voor de Blauwestad
- Pronk, J., Woltjer, J. (unknown) Unpublished case study report Blauwestad
- Stichting Blauwe Stad (1997) Van idee naar werkelijkheid'

Vossenpels (Chapter 6)

- GEM Waalsprong (2011). Ontwikkelingsvisie Vossenpels
- GEM Waalsprong (2014). Ik bouw betaalbaar Nijmegen: bouwboek
- Gemeente Nijmegen (2012). Toelichting Bestemmingsplan Vossenpels Zuid
- GEM Waalsprong (2012), Ontwikkelingsplan Vossenpels
- GEM Waalsprong (onbekend), Wet algemene bepalingen omgevingsrecht
- GEM Waalsprong (onbekend) Algemene bepalingen verkoopcontract
- GEM Waalsprong (onbekend), Bestemmingsplaneisen

Oosterwold (Chapter 6)

- RAAMM (2012). Almere Oosterwold: Land-Goed voor initiatieven
- Samenwerkingsovereenkomst Grondoverdracht Rijksgronden Oosterwold, concept 21 mei 2014
Overview of attended events related to complexity and planning

AESOP Complexity & Planning Meetings

Two-day international meetings of AESOP’s Thematic group on Complexity & Planning:
- Confronting Urban Planning and Design with Complexity: Methods for Inevitable Transformation, Manchester School of Architecture, Manchester, United Kingdom, 16-17 January 2014 (co-organizer)
- Self-organization and spatial planning: in-depth analysis, The University of Aveiro, Aveiro, Portugal, 2-3 May 2013 (co-organizer)
- Complexity and the Collaborative Rationale to Planning, University of Groningen, Groningen, The Netherlands, 16-17 November 2012 (organizer)
- Self-organization & Spatial Planning, Yildiz Technical University, Istanbul, Turkey, 29-30 April 2011

Congressess / Congress tracks related to Complexity, Policy making and Planning
- AESOP congress, From control to co-evolution, Track 4: Complexity and Planning Theory, Utrecht, The Netherlands, 9-12 July 2014
- Annual seminar day, Groningen Center for Social Complexity Studies, Groningen, The Netherlands, 27 June 2014
- Annual seminar day, edition 2013, Groningen Center for Social Complexity Studies, Groningen, The Netherlands, 14 June 2013
- European Conference on Complex Systems, Brussel, Belgium, 3-7 September, 2012
- AESOP congress, Planning to Achieve/Planning to Avoid,
  Track 7: Regional change and resilience: plans, institutions and concepts,
  Ankara, Turkey, 11-15 July 2012
- European Congress on Complex Systems,
  Lisbon, Portugal, 13-17 September 2010
- AESOP congress, Why can’t the future be more like the past?,
  Track 17: Planning and Complexity, Liverpool, United Kingdom, 15-18 July 2009

**Complexity & Planning seminars**

Seminars organised at Department of Spatial Planning & Environment, Faculty of
Spatial Sciences, University of Groningen between 2009 and 2014:
- Fractalopolis, Claudia Czerkauer-Yamu, TU Vienna, 26 June 2013
- Decision making under uncertainty: Adaptive policy pathways,
  Marjolijn Haasnoot, Deltares / TU Twente / UU, 26 June 2013
- From Simplicity to Complexity and back again, Govert D. Geldof,
  Geldof c.s. / Tzum & DTU Environment, Lyngby, 22 December 2011
- Complexity, Cognition and the City, Juval Portugali, Tel Aviv University,
  13 October 2011
- Complexity, Design and Sustainability, Matthew Cook, Open University UK,
  11 May 2011
- Self-organization in task allocation within business teams, Kees Zoethout,
  Katsina Personal and Organizational Development, 21 March 2011
- Self-organization in Urban Development, Beitske Boonstra, TNO / UU,
  21 February 2011
- Political, institutional and economical transitions, Herman Hoen,
  University of Groningen, 22 April 2009
- Complexity and Bifurcations, Elisabete Silva, University of Cambridge,
  18 February 2009

**Other activities**

- Study course Comenius Institute: Leadership, Complexity and Innovation,
  Santa Fé Institute, New Mexico, USA, 5-12 October 2013
APPENDIX E

Other academic and professional publications

Academic publications


Scientific reports


Research projects

Regional storylines - study on spatial concepts for regional development. By order of Ministry Infrastructure & Environment, 2010.

PLUREL – Peri Urban Land Use, constellation of 29 partners, in which we had the responsibility to analyse peri-urban developments from a complex systems perspective; 6th Framework Programme EU, 2006-2010 (participated 2008-2010).
Professional publications


Zandvoort, M., Baltus, R. & Rauws, W.S. (2013). Duitse lessen voor CPO in Nederland [Lessons from Germany for Dutch cohousing projects], Roolijn 2013/1.


Rauws, W.S. & G. de Roo (2010). De orde voorbij... Over complexiteit, chaos en transities in de ruimtelijke ontwikkeling [Beyond order...on complexity, chaos, and transition in the spatial development], in Voorbij de beheersing? Bijdragen aan de stadsontwikkeling in Amsterdam, edited by S. Major, Amsterdam: PMB Amsterdam: 34-52.

