

# ONCE THE SHOVEL HITS THE GROUND

*Evaluating the management  
of complex implementation processes of  
public-private partnership infrastructure projects  
with qualitative comparative analysis*

*Stefan Verweij*

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# Summary in English

## 1. MOTIVATION, RESEARCH AIM, AND RELEVANCE OF THE RESEARCH

This thesis is about managing complex implementation processes of public-private partnership (PPP) infrastructure projects and the evaluation thereof with the method qualitative comparative analysis (QCA).

Against the background of the often disappointing performances of infrastructure development, such as cost overruns, time overruns, and social discontent, the practice and literature in the field of (PPP) infrastructure development often apply a risk-perspective. This perspective assumes a reality that is knowable and calculable. Risks are identified, calculated, and allocated to the public or private partner best able to manage the risk. Following this perspective, evaluations of infrastructure projects often point to ineffective or strategic risk identification, risk calculation, or risk management as causes of the disappointing performances. However, the reality of infrastructure project implementation is not perfectly knowable and calculable. It is fundamentally complex.

A lot of attention is devoted in practice and in the literature to the planning of projects. However, no matter how carefully they are planned, when projects are implemented – ‘once the shovel hits the ground’ – events occur that were often unforeseen and unplanned. If this complexity is recognized and acknowledged, then the attention in project evaluation can be focused on what can be learned from previous experiences with managing such events, so as to manage future ones more effectively. Contributing to this is the first aim of this research. The fundamental complexity of infrastructure development also imposes requirements on the evaluation method to be used. The method needs to acknowledge the complexity; it should be complexity-informed. Evaluation methods that do not create an unrealistic understanding of implementation processes with the consequence that evaluations tell us little about what works and what does not, in which contexts, and why. This hampers learning from evaluations. Identifying the requirements for a complexity-informed evaluation method, and assessing the extent to which QCA meets these requirements, is the second aim of the research.

Following these aims, the central research question is: *how can the implementation and management of PPP infrastructure projects be understood and evaluated from a complexity*

*perspective using QCA, what management responses in project implementation yield (un)satisfactory outcomes, and how can this be explained?*

By investigating this question, the intention is to contribute to different fields of literature. These are briefly discussed below.

### **1.1. Complexity and QCA**

The complexity literature tells us that complex systems, such as implementation processes of PPP infrastructure projects, emerge from the interaction between a multitude of elements within the system and with the system's context. Understanding complex systems thus requires that their details and context are studied. Case studies are an appropriate means for this. The complexity literature also tells us that, because systems interact in a partly-shared context, similarities or patterns between systems can be recognized. These patterns are important to make lessons from case studies relevant to other cases. However, it is hard to uncover generalizable patterns from case studies. This thesis adds QCA to the complexity literature as a suitable method to combine the study of details and context with the need for pattern recognition.

### **1.2. Evaluation and QCA**

QCA is a method on the rise. Literature reviews show that the number of QCA applications, including in the Public Administration literature, has strongly increased. QCA is also increasingly discussed and applied in the evaluation literature where it is, *inter alia*, conceptualized as a suitable method for theory-driven, realistic evaluation. In this thesis, QCA is conceptualized as a complexity-informed method. In doing so, it is added to the QCA and evaluation literature as a more grounded approach. As such, QCA recognizes and acknowledges the complexity of project implementation, and the heterogeneity of the public and private partners and project stakeholders involved in implementation. This makes QCA, as a complexity-informed method, suitable for learning from evaluations. The empirical studies in this doctoral thesis also introduce QCA in the field and literature of (PPP) infrastructure projects.

### **1.3. Project management and infrastructure projects**

The literature about the management of infrastructure projects is dominated by approaches that understand project management as a rational process. In those approaches, projects are closed systems that are implemented according to predefined protocols and planning schedules. This is, however, not a realistic understanding of project management. Projects are not implemented in isolation; they interact with the socio-physical context in which they are constructed. Projects are open systems. Although the fundamental complexity of project implementation is increasingly recognized and acknowledged, this is yet insufficiently acted on in understanding and studying project implementation.

This thesis answers to the call in the project management literature for more situational, contextual approaches in project management research. This is done by conceptualizing project implementation and management from a complexity perspective, and applying this in empirical studies.

#### 1.4. Public-private partnerships and infrastructure projects

Public-private partnerships are not a new phenomenon, but they are increasingly popular with governments as means to improve the performance of infrastructure development. A lot of attention is devoted in practice and in the literature to the planning – the spatial and public planning and the procurement – of PPP projects. The implementation – construction and delivery – that follows the planning phase receives less attention. This is unfortunate: if the implementation process is ineffectively managed, anticipated or obtained gains in the planning might be lost in implementation. This doctoral thesis answers to the call in the PPP literature for more research into the management of implementation processes of PPP infrastructure projects. Additionally, by means of an empirical study of a DBFM project, it contributes to the yet little available knowledge about the functioning and results of DBFM contracts – a specific type of PPP – in the Netherlands.

The next section explains how the central research question was studied and how this thesis is structured. Thereafter, the conclusions are presented.

## 2. STRUCTURE OF THE THESIS

Besides the introductory and concluding chapters, this doctoral thesis consists of six articles. These articles provide the building blocks to answering the research question (see Section 1.3 and Table 1.1 in Chapter 1).

The first two articles (Chapters 2 and 3) form the basis for the empirical studies. They address the first part of the research question. Based on complexity literature, a perspective is outlined as to how reality is understood. This perspective is then focused on infrastructure development, and the implementation processes in PPP infrastructure projects specifically. The complexity perspective results in methodological prerequisites for evaluation, after which it is assessed to which extent the method qualitative comparative analysis meets these requisites.

The other four articles are empirical. In the first two (Chapters 4 and 5), the implementation processes of two Dutch transportation infrastructure projects are separately analyzed: the A2 Maastricht and the A15 Maasvlakte-Vaanplein. Based on qualitative open interviews, a number of unforeseen events is identified. These events have a physical or social nature. For each event it is assessed: (1) how it was managed (a project-internal or project-external orientation), (2) how public and private managers cooperated herein (cooperation or non-cooperation), and (3) with what outcomes (satisfaction or dissatisfac-

tion). Next, the events were analyzed with QCA. This resulted in management patterns associated with either satisfaction or dissatisfaction in the implementation processes of PPP projects.

Thereafter, the patterns in the A2 Maastricht and A15 Maasvlakte-Vaanplein projects are compared in Chapter 6. The two projects are characterized by, inter alia, different management orientations, public-private cooperation, and outcomes. The project comparison offers explanations for the differences. In Chapter 7, the implementation processes of twenty-seven transportation infrastructure projects are analyzed with QCA. Qualitative and quantitative data were used from the Rijkswaterstaat project database, which were collected by being a visiting researcher at Rijkswaterstaat. By means of this medium-n comparative case analysis, the patterns and explanations from the two project studies are corroborated and further generalized.

### 3. RESULTS AND CONCLUSIONS

In this section, the results and conclusions of the research are summarized. First it is specified what the four building blocks are of the complexity of project implementation, after which QCA is assessed against these building blocks, so as to be able to conclude how, and to what extent, QCA is a complexity-informed evaluation method. This concerns the first part of the research question. Thereafter, the results of the empirical studies are summarized to draw conclusions with respect to the management and public-private cooperation in the implementation processes of PPP infrastructure projects.

#### 3.1. The four building blocks for complexity-informed evaluation

Learning from evaluations requires that the evaluation method is complexity-informed. This complexity does not just refer to the fact that implementation processes are very difficult. Reality is fundamentally complex. It consists of nested, interrelated systems. This implies that the implementation and management of PPP infrastructure projects can be understood on the basis of four building blocks of complexity: non-decomposability, contingency, non-compressibility, and time-asymmetry (see Section 8.2 in Chapter 8).

Non-decomposability means that the implementation and management of PPP infrastructure projects cannot be understood by separately studying the individual elements. Indeed, implementation processes emerge from the interaction between the project elements (inter alia, management strategies and PPP contracts) and with the context of the system (inter alia, stakeholders and the physical environment). Evaluation methods that are focused on isolating the effect of single variables on an outcome do not create a realistic understanding of implementation processes.

The second building block is contingency. This means that, because projects interact with social-physical contexts that are dynamic and particular for projects, implementation processes are unique. At the same time, similarities or patterns can be recognized because

projects are embedded in contexts that are partly stable and shared. Whilst similarities can be managed with known strategies, the unique aspects of projects require a situational approach. The implication for evaluation is that methods that try to establish universal laws do not create a realistic understanding of implementation processes.

Non-compressibility refers to the fact that it is fundamentally not possible to simplify reality: implementation processes and outcomes emerge from the interaction between systems in systems in systems (nestedness). However, to be able to comprehend the complex reality, public and private managers simplify their project reality. They have different simplifications, because they are nested in different systems, on the basis of which they act. Evaluation methods that ignore this heterogeneous and grounded nature of implementing and managing PPP infrastructure projects do not create a realistic understanding of it.

The final building block is time-asymmetry. This means that the development of infrastructure projects is unidirectional and irreversible; causality is characterized by emergence and non-linearity. Outcomes in/of implementation processes can be the logical results of sequences of events in hindsight, but those sequences were unknowable a priori, when projects were planned. Implementation processes have to contend with uncertainties and unforeseen and unplanned events. These events are managed. Evaluation methods that ignore this importance of time do not create a realistic understanding of the implementation of PPP infrastructure projects, and they impend to focus on ineffective or strategic risk identification and calculation instead of learning.

### 3.2. QCA as a complexity-informed evaluation method

The four building blocks of complexity impose requirements on the evaluation method. These are the following (see Section 8.4 in Chapter 8).

1. Non-decomposability: the method has to be able to evaluate how combinations of elements explain outcomes.
2. Contingency: (a) the method has to be able to evaluate how both peculiarities and similarities or patterns between cases contribute to explaining outcomes, and (b) the method has to be capable of limited generalization.
3. Non-compressibility: the evaluation method has to recognize and acknowledge the heterogeneity of project realities.
4. Time-asymmetry: the evaluation method should be able (a) to include the time dimension in explaining outcomes, and (b) to recognize that implementation processes are not perfectly predictable.

Based on the assessment of QCA against these requisites, it is concluded that QCA is a complexity-informed method. The first requirement is met. QCA is configurational: it analyzes how combinations of elements explain an outcome. QCA also meets the second requirement. The systematic qualitative comparative analysis is characterized by iterations between identifying case peculiarities and patterns between cases. In this way, QCA strikes

a balance between a focus on details and context on the one hand and pattern recognition on the other. The patterns that are found with QCA have a limited generalizability. This means that the third requirement is also met. QCA is a case-based research method. At the start of the research process, the complexity is minimally simplified by applying a grounded approach. This gives the heterogeneity of project realities a place in the evaluation. The fourth requirement is partly met. In essence, QCA is a comparative, static method that is not well capable of including time, temporality, or dynamics in the analysis. QCA does recognize the unpredictability of implementation processes: in QCA, it is explicitly recognized and acknowledged that patterns can have contradictory outcomes, that relationships are non-linear, and that generalization is limited.

The implementation and the management of PPP infrastructure projects can be evaluated with QCA in different ways. In this doctoral thesis, three dimensions of learning are proposed (see Figure 8.2 in Chapter 8). The first dimension is learning between projects or project implementations (see, e.g., Chapter 7). In this way, lessons from successful cases can be applied to similar but less successful cases. The second dimension is learning within a project or implementation. By comparing events or situations within a project with each other (see, e.g., Chapters 4, 5, and 6), managers within a project can learn what kind of events require what kind of management strategy and public-private cooperation. The third dimension concerns learning about actor's perspectives within a project. Each participant in the evaluation is a case, and by comparing these with each other it becomes clear where perspectives between actors differentiate and where they are similar. This offers opportunities for finding mutual understanding and consensus.

In this thesis, it is proposed that QCA can also be applied as a collaborative and interactive evaluation tool. For each of the three dimensions, QCA offers a four-step structure within which the evaluation participants can go through the evaluation process in a collaborative and interactive manner (see Figure 8.3 in Chapter 8). It is important here that the heterogeneity of actors is safeguarded by letting both public and private actors participate in the process. In this way, the knowledge base of the evaluation is strengthened, the public-private cooperation intensifies, and learnt lessons are easier fed back into the practice of implementing PPP infrastructure projects.

### **3.3. Management and public-private cooperation in project implementation**

During project implementation, different unforeseen events occur in the project context. These events are of a social or physical nature. Social events concern stakeholders in the context of the project that react to the project implementation. Physical events originate from the physical system in which the project is implemented. These events are managed. The management strategy that is chosen is internally-oriented or externally-oriented. The difference is that the latter is characterized by an orientation on the social project environment: solutions for events are sought in interaction with stakeholders. This is not the case with the internally-oriented strategy. Furthermore, public and private managers choose to

work together in the management of an event (cooperation) or to stress the public-private boundaries and to separate responsibilities and tasks (non-cooperation). Because of the heterogeneity of public and private managers – they have different backgrounds, tasks, and responsibilities – the outcome of the management of events is not one-dimensionally definable. The outcome measure of ‘satisfaction’ is used in this thesis. It is a multidimensional concept that comprises multiple outcomes, such as: cost overruns, time overruns, social discontent, and the public-private relationship.

The QCA evaluations showed that different management strategies in PPP project implementation produce (un)satisfactory outcomes (see Section 8.4 in Chapter 8). Two results are:

1. An internally-oriented management strategy for social events results in unsatisfactory outcomes.
2. An externally-oriented management strategy for social events results in satisfactory outcomes.

On the basis of these results, it can be concluded that an externally-oriented management strategy is preferable over an internally-oriented management strategy in implementation processes. Two other results are the following:

3. An internally-oriented management strategy by the private partner results in unsatisfactory outcomes.
4. An internally-oriented management strategy, cooperatively or by the public partner, results in satisfactory outcomes.

These results show that, if the public and private partners cooperate, an internally-oriented strategy can also yield satisfactory outcomes. It can be concluded that a cooperative strategy is preferable over a non-cooperative strategy. However, cooperation is not necessary in the case of an externally-oriented management strategy. The results thus show that the effectiveness of internally-oriented management and non-cooperation can be increased by cooperation and externally-oriented management, respectively.

An explanation for the externally-oriented management strategy lies in the integrality of infrastructure projects. In integral projects, different spatial functions are combined which means that different stakeholders are involved. The advantage of the close involvement of stakeholders is that their interests are internalized in the project. This makes for less resistance from the stakeholder environment, and the stakeholder’s interests are more knowable to the project’s management. The challenge associated with the close involvement of stakeholders is that it might lead to more complicated (perceived) implementation processes and the need for intensive and costly stakeholder management. Conversely, keeping stakeholders more at a distance from the project results in less complicated (perceived) processes, but also the possibility of more resistance from the environment and

less knowledge of stakeholders' interests. This can lead to social unforeseen and unplanned events in project implementation, with possibly even higher costs as a consequence.

Explanations for the internal management orientation and non-cooperation lie in the contract type. In concessional types of PPP, such as DBFM, the success of the project is linked to meeting a challenging time planning. This time pressure creates an inward-orientation. Even more characteristic is that concessional PPPs have a contractual focus and a strict separation of public and private systems. In DBFM, the responsibility for project implementation lies with the private partner; the public partner focuses on monitoring the contractor. The advantage of this strict separation is transparency in the public-private relationship. The weakness is that it impedes cooperation across the public-private boundaries. This cooperation is important, inter alia with respect to stakeholder management. Public principals often feature stronger and longer-lasting relationships with stakeholders in the project environment. In DBFM, the danger is that these relationships are not used by the public partner because of the separation of responsibilities whilst it can contribute to a more effective project implementation. Alliance-like types of PPP are characterized, in contrast, by cooperation across the public-private boundaries, with the possible consequence that maintaining transparency in the cooperation is challenging. The optimum possibly lies in the middle, for example by organizing stakeholder management in an alliance within a DBFM contract. Further research can shed light on the effectiveness of this option.

## References

- Aaltonen, K., Kujala, J., Lehtonen, P., & Ruuska, I. (2010). A stakeholder network perspective on unexpected events and their management in international projects. *International Journal of Managing Projects in Business*, 3(4), 564-588.
- Aaltonen, K., & Sivonen, R. (2009). Response strategies to stakeholder pressures in global projects. *International Journal of Project Management*, 27(2), 131-141.
- Abma, T. A. (1996). *Responsief evalueren: Discoursen, controversen en allianties in het postmoderne*. Delft: Eburon.
- Advisory Committee VBI. (2008). *Sneller en beter: Advies Commissie Versnelling Besluitvorming Infrastructurele Projecten*. Den Haag: Ministerie van Verkeer en Waterstaat.
- Akintoye, A., & MacLeod, M. J. (1997). Risk analysis and management in construction. *International Journal of Project Management*, 15(1), 31-38.
- Allen, P. M. (1998). Evolving complexity in social science. In G. Altmann, & W. A. Koch (Eds.), *Systems: New paradigms for the human sciences* (pp. 3-38). New York: De Gruyter.
- Allison, G. T. (1983). Public and private management: Are they fundamentally alike in all unimportant respects? In J. L. Perry, & K. L. Kraemer (Eds.), *Public management: Public and private perspectives* (pp. 15-29). Palo Alto: Mayfield Publishing Company.
- Amenta, E., & Poulsen, J. D. (1994). Where to begin: A survey of five approaches to selecting independent variables for qualitative comparative analysis. *Sociological Methods and Research*, 23(1), 22-53.
- Anderson, R., Crabtree, B. F., Steele, D. J., & McDaniel, R. R. (2005). Case study research: The view from complexity science. *Qualitative Health Research*, 15(5), 669-685.
- Anguera, R. (2006). The Channel Tunnel - An ex-post economic evaluation. *Transportation Research Part A: Policy and Practice*, 40(4), 291-315.
- Annema, J. A., Koopmans, C., & Van Wee, B. (2007). Evaluating transport infrastructure investments: The Dutch experience with a standardized approach. *Transport Reviews*, 27(2), 125-150.
- Arts, G. A. M., Dicke, W. M., & Hancher, L. (Eds.). (2010). *New perspectives on investment in infrastructures*. The Hague & Amsterdam: Scientific Council for Government Policy & Amsterdam University Press.
- Assaf, S. A., & Al-Hejji, S. (2006). Causes of delay in large construction projects. *International Journal of Project Management*, 24(4), 349-357.
- Atkin, B., & Skitmore, M. (2008). Editorial: Stakeholder management in construction. *Construction Management and Economics*, 26(6), 549-552.
- Atkinson, R. (1999). Project management: Cost, time and quality, two best guesses and a phenomenon: It's time to accept other success criteria. *International Journal of Project Management*, 17(6), 337-342.
- Atkinson, R., Crawford, L., & Ward, S. (2006). Fundamental uncertainties in projects and the scope of project management. *International Journal of Project Management*, 24(8), 687-698.
- Aus, J. P. (2009). Conjunctural causation in comparative case-oriented research. *Quality & Quantity*, 43(2), 173-183.
- Baccarini, D. (1996). The concept of project complexity - A review. *International Journal of Project Management*, 14(4), 201-204.
- Badcock, P. (2009). Tough times for Dutch metro projects. *International Railway Journal*, 49(1), 30-32.
- Bakker, R. M., Cambré, B., Korlaar, L., & Raab, J. (2011). Managing the project learning paradox: A set-theoretic approach toward project knowledge

## References

- transfer. *International Journal of Project Management*, 29(5), 494-503.
- Bakker, R. (2012). *Evaluatie als fundering voor beleid*. Den Haag: Ministerie van Binnenlandse Zaken en Koninkrijksrelaties.
- Balthasar, A. (2006). The effects of institutional design on the utilization of evaluation: Evidence using qualitative comparative analysis (QCA). *Evaluation*, 12(3), 353-371.
- Barnes, M., Matka, E., & Sullivan, H. (2003). Evidence, understanding and complexity: Evaluation in non-linear systems. *Evaluation*, 9(3), 265-284.
- Bar-Yam, Y. (1997). *Dynamics of complex systems*. Reading: Addison-Wesley.
- Bateson, N. (1984). *Data construction in social surveys*. London: Allen & Unwin.
- Batty, M. (2010). Complexity in city systems: Understanding, evolution and design. In G. de Roo, & E. A. Silva (Eds.), *A planner's encounter with complexity* (pp. 99-122). Surrey: Ashgate.
- Befani, B. (2013). Between complexity and generalization: Addressing evaluation challenges with QCA. *Evaluation*, 19(3), 269-283.
- Befani, B., Ledermann, S., & Sager, F. (2007). Realistic evaluation and QCA: Conceptual parallels and an empirical application. *Evaluation*, 13(2), 171-192.
- Befani, B., & Sager, F. (2006). QCA as a tool for realistic evaluations: The case of the Swiss environmental impact assessment. In B. Rihoux, & H. Grimm (Eds.), *Innovative comparative methods for policy analysis: Beyond the quantitative-qualitative divide* (pp. 263-284). New York: Springer.
- Berg-Schlosser, D., De Meur, G., Rihoux, B., & Ragin, C. C. (2009). Qualitative comparative analysis (QCA) as an approach. In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 1-18). London: Sage.
- Bertelsen, S. (2003). Construction as a complex system. *Proceedings of the International Group for Lean Construction*, 11.
- Bhaskar, R. ([1975]2008). *A realist theory of science*. London: Routledge.
- Bhaskar, R., & Hartwig, M. (2010). *The formation of critical realism: A personal perspective*. London: Routledge.
- Bing, L., Akintoye, A., Edwards, P. J., & Hardcastle, C. (2005). The allocation of risk in PPP/PFI construction projects in the UK. *International Journal of Project Management*, 23(1), 25-35.
- Blackman, T., Wistow, J., & Byrne, D. S. (2013). Using qualitative comparative analysis to understand complex policy problems. *Evaluation*, 19(2), 126-140.
- Blomquist, T., Hällgren, M., Nilsson, A., & Söderholm, A. (2010). Project-as-practice: In search of project management research that matters. *Project Management Journal*, 41(1), 5-16.
- Boeije, H. (2010). *Analysis in qualitative research*. London: Sage.
- Boh, W. F. (2007). Mechanisms for sharing knowledge in project-based organizations. *Information and Organization*, 17(1), 27-58.
- Boisot, M., & McKelvey, B. (2011). Complexity and organization-environment relations: Revisiting Ashby's law of requisite variety. In P. Allen, S. Maguire, & B. McKelvey (Eds.), *The Sage handbook of complexity and management* (pp. 279-298). London: Sage.
- Boons, F. A. A., Van Buuren, M. W., Gerrits, L. M., & Teisman, G. R. (2009). Towards an approach of evolutionary public management. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 231-249). New York: Routledge.
- Boons, F. A. A., Spekkink, W. A. H., & Jiao, W. (2014). A process perspective on industrial symbiosis. *Journal of Industrial Ecology*, 18(3), 341-355.
- Booth, C., & Richardson, T. (2001). Placing the public in integrated transport planning. *Transport Policy*, 8(2), 141-149.
- Bovaird, T. (2004). Public-private partnerships: From contested concepts to prevalent practice. *International Review of Administrative Sciences*, 70(2), 199-215.
- Bressers, N. E. W. (2011). *Co-creating innovation: A systemic learning evaluation of knowledge and innovation programmes*. Rotterdam: Erasmus University Rotterdam.
- Bressers, N. E. W., Van Twist, M. J. W., & Ten Heuvelhof, E. F. (2013). Exploring the temporal dimension in policy evaluation studies. *Policy Sciences*, 46(1), 23-37.
- Bristow, A. L., & Nellthorp, J. (2000). Transport project appraisal in the European Union. *Transport Policy*, 7(1), 51-60.
- Browne, D., & Ryan, L. (2011). Comparative analysis of evaluation techniques for transport policies.

- Environmental Impact Assessment Review*, 31(3), 226-233.
- Bryman, A. (2004). *Social research methods*. Oxford: Oxford University Press.
- Bryson, J. M., Crosby, B. C., & Stone, M. M. (2006). The design and implementation of cross-sector collaborations: Propositions from the literature. *Public Administration Review*, 66(S1), 44-55.
- Buijs, M. J., Eshuis, J., & Byrne, D. S. (2009). Approaches to researching complexity in public management. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 37-55). New York: Routledge.
- Bult-Spiering, M., & Dewulf, G. P. M. R. (2006). *Strategic issues in public-private partnerships: An international perspective*. Oxford: Blackwell Publishing.
- Busscher, T. (2014). *Towards a programme-oriented planning approach: Linking strategies and projects for adaptive infrastructure planning*. Groningen: University of Groningen.
- Byrne, D. S. (1998). *Complexity theory and the social sciences: An introduction*. London: Routledge.
- Byrne, D. S. (2001). *Understanding the urban*. Basingstoke: Palgrave.
- Byrne, D. S. (2002). *Interpreting quantitative data*. London: Sage.
- Byrne, D. S. (2003). Complexity theory and planning theory: A necessary encounter. *Planning Theory*, 2(3), 171-178.
- Byrne, D. S. (2005). Complexity, configurations and cases. *Theory, Culture & Society*, 22(5), 95-111.
- Byrne, D. S. (2009). Complex realist and configurational approaches to cases: A radical synthesis. In D. S. Byrne, & C. C. Ragin (Eds.), *The Sage handbook of case-based methods* (pp. 101-119). London: Sage.
- Byrne, D. S. (2011a). *Applying social science: The role of social research in politics, policy and practice*. Bristol: The Policy Press.
- Byrne, D. S. (2011b). Exploring organizational effectiveness: The value of complex realism as a frame of reference and systematic comparison as a method. In P. Allen, S. Maguire, & B. McKelvey (Eds.), *The Sage handbook of complexity and management* (pp. 131-141). London: sage.
- Byrne, D. S. (2013). Evaluating complex social interventions in a complex world. *Evaluation*, 19(3), 217-228.
- Byrne, D. S., & Callaghan, G. (2013). *Complexity theory and the social sciences: The state of the art*. Abingdon: Routledge.
- Callaghan, G. (2008). Evaluation and negotiated order: Developing the application of complexity theory. *Evaluation*, 14(4), 399-411.
- Cantarelli, C. C. (2011). *Cost overruns in large-scale transport infrastructure projects: A theoretical and empirical exploration for the Netherlands and worldwide*. Delft: Trail Research School.
- Cantarelli, C. C., Flyvbjerg, B., & Buhl, S. L. (2012). Geographical variation in project cost performance: The Netherlands versus worldwide. *Journal of Transport Geography*, 24, 324-331.
- Cantarelli, C. C., Flyvbjerg, B., Van Wee, B., & Molin, E. J. E. (2010). Lock-in and its influence on the project performance of large-scale transportation infrastructure projects: Investigating the way in which lock-in can emerge and affect cost overruns. *Environment and Planning B: Planning and Design*, 37(5), 792-807.
- Cantarelli, C. C., Molin, E. J. E., Van Wee, B., & Flyvbjerg, B. (2012). Characteristics of cost overruns for Dutch transport infrastructure projects and the importance of the decision to build and project phases. *Transport Policy*, 22, 49-56.
- Cantarelli, C. C., Van Wee, B., Molin, E. J. E., & Flyvbjerg, B. (2012). Different cost performance: Different determinants? The case of cost overruns in Dutch transport infrastructure projects. *Transport Policy*, 22, 88-95.
- Caren, N., & Panofsky, A. (2005). TQCA: A technique for adding temporality to qualitative comparative analysis. *Sociological Methods and Research*, 34(2), 147-172.
- Carter, B., & Sealey, A. (2009). Reflexivity, realism and the process of casing. In D. S. Byrne, & C. C. Ragin (Eds.), *The Sage handbook of case-based methods* (pp. 69-83). London: Sage.
- Castellani, B. (2014). Map of the complexity sciences. Retrieved from [http://www.art-sciencefactory.com/complexity-map\\_feb09.html](http://www.art-sciencefactory.com/complexity-map_feb09.html).
- Chan, A. P. C., Chan, D. W. M., & Ho, K. S. K. (2003). An empirical study of the benefits of construction partnering in Hong Kong. *Construction Management and Economics*, 21(5), 523-533.

## References

- Chan, H., & Levitt, R. E. (2011). To talk or to fight? Effects of strategic, cultural, and institutional factors on renegotiation approaches in public-private concessions. In R. W. Scott, R. E. Levitt, & R. J. Orr (Eds.), *Global projects: Institutional and political challenges* (pp. 310-350). Cambridge: Cambridge University Press.
- Checkland, P. (1981). *Systems thinking, systems practice*. Chichester: John Wiley & Sons.
- Chinyio, E., & Olomolaiye, P. (Eds.). (2010). *Construction stakeholder management*. Chichester: Wiley-Blackwell.
- Chung, D., Hensher, D. A., & Rose, J. M. (2010). Toward the betterment of risk allocation: Investigating risk perceptions of Australian stakeholder groups to public-private-partnership tollroad projects. *Research in Transportation Economics*, 30(1), 43-58.
- Cicmil, S., Williams, T. M., Thomas, J., & Hodgson, D. (2006). Rethinking project management: Researching the actuality of projects. *International Journal of Project Management*, 24(8), 675-686.
- Cilliers, P. (1998). *Complexity and postmodernism: Understanding complex systems*. London: Routledge.
- Cilliers, P. (2000a). Knowledge, complexity, and understanding. *Emergence*, 2(4), 7-13.
- Cilliers, P. (2000b). What can we learn from a theory of complexity? *Emergence*, 2(1), 23-33.
- Cilliers, P. (2001). Boundaries, hierarchies and networks in complex systems. *International Journal of Innovation Management*, 5(2), 135-147.
- Cilliers, P. (2002). Why we cannot know complex things completely. *Emergence*, 4(1/2), 77-84.
- Cilliers, P. (2005a). Complexity, deconstruction and relativism. *Theory, Culture & Society*, 22(5), 255-267.
- Cilliers, P. (2005b). Knowledge, limits and boundaries. *Futures*, 37(7), 605-613.
- Colander, D., & Kupers, R. (2014). *Complexity and the art of public policy: Solving society's problems from the bottom up*. Princeton: Princeton University Press.
- Committee PFI. (2008). *Op de goede weg en het juiste spoor: Advies van de Commissie Private Financiering van Infrastructuur*. Den Haag: Commissie Private Financiering van Infrastructuur.
- Committee Veerman. (2009). *Bouwen aan verbinding: De Noord/Zuidlijn Amsterdam. Advies van de onafhankelijke Commissie Veerman over de toekomst van de Noord/Zuidlijn te Amsterdam*.
- Cooper, K. G., Lyneis, J. M., & Bryant, B. J. (2002). Learning to learn, from past to future. *International Journal of Project Management*, 20(3), 213-219.
- CPB, & NEI. (2000a). *Evaluatie van grote infrastructuurprojecten: Leidraad voor kosten-batenanalyse: Deel 1 hoofdrapport*. Den Haag: Ministerie van Verkeer en Waterstaat & Ministerie van Economische Zaken.
- CPB, & NEI. (2000b). *Evaluatie van grote infrastructuurprojecten: Leidraad voor kosten-batenanalyse: Deel 2 capita selecta*. Den Haag: Ministerie van Verkeer en Waterstaat & Ministerie van Economische Zaken.
- CPB, & NEI. (2000c). *Evaluatie van infrastructuurprojecten: Leidraad voor kosten-batenanalyse*. Den Haag: Ministerie van Verkeer en Waterstaat & Ministerie van Economische Zaken.
- Cronqvist, L. (2004). Presentation of Tosmana: Adding multi-value variables and visual aids to QCA. *Compass Working Paper, WP 2004-20*.
- Cronqvist, L. (2011). *Tosmana: Tool for small-n analysis 1.3.2.0*. Trier: University of Trier.
- Cronqvist, L., & Berg-Schlosser, D. (2009). Multi-value QCA (mvQCA). In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 69-86). London: Sage.
- Cruz, C. O., & Marques, R. C. (2013). Flexible contracts to cope with uncertainty in public-private partnerships. *International Journal of Project Management*, 31(3), 473-483.
- Da Costa, A. F., Pegado, E., Ávila, P., & Coelho, A. R. (2013). Mixed-methods evaluation in complex programmes: The national reading plan in Portugal. *Evaluation and Program Planning*, 39, 1-9.
- Da Cruz, N. F., & Marques, R. C. (2012). Mixed companies and local governance: No man can serve two masters. *Public Administration*, 90(3), 737-758.
- Da Cruz, N. F., Simões, P., & Marques, R. C. (2013). The hurdles of local governments with PPP contracts in the waste sector. *Environment and Planning C: Government and Policy*, 31(2), 292-307.
- D'Alessandro, L., Bailey, S. J., & Giorgino, M. (2014). PPPs as strategic alliances: From technocratic to multidimensional risk governance. *Managerial Finance*, 40(11), 1095-1111.
- Davidson, E. J. (2005). *Evaluation methodology basics: The nuts and bolts of sound evaluation*. Thousand Oaks: Sage Publications.

- Davies, R. (2004). Scale, complexity and the representation of theories of change. *Evaluation*, 10(1), 101-121.
- De Bruijn, J. A., & Leijten, M. (2008). Management characteristics of mega-projects. In H. Priemus, B. Flyvbjerg, & B. van Wee (Eds.), *Decision making on mega-projects: Cost-benefit analysis, planning and innovation* (pp. 23-39). Cheltenham: Edward Elgar.
- De Bruijn, J. A., Ten Heuvelhof, E. F., & In't Veld, R. J. (2010). *Process management: Why project management fails in complex decision making processes*. Berlin: Springer-Verlag.
- De Brux, J. (2010). The dark and bright sides of renegotiation: An application to transport concession contracts. *Utilities Policy*, 18(2), 77-85.
- De Hoo, S. C. (1982). *Besluitvorming en rijkswege-naanleg: Analyse van het besluitvormingsproces over rijkswegeprojecten*. Leiden: Sociologisch Instituut Rijksuniversiteit Leiden.
- De Jong, W. M., & Geerlings, H. (2003). Exposing weaknesses in interactive planning: The remarkable return of comprehensive policy analysis in the Netherlands. *Impact Assessment and Project Appraisal*, 21(4), 281-291.
- De Jong, W. M., & Geerlings, H. (Eds.). (2004). *A roadmap for infrastructure appraisal*. Delft: Delft University Press.
- De Meur, G., Rihoux, B., & Yamasaki, S. (2009). Addressing the critiques of QCA. In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 147-166). London: Sage.
- De Roo, G. (2010). Being or becoming? That is the question! Confronting complexity with contemporary planning theory. In G. de Roo, & E. A. Silva (Eds.), *A planner's encounter with complexity* (pp. 19-40). Surrey: Ashgate.
- De Schepper, S., Dooms, M., & Haezendonck, E. (2014). Stakeholder dynamics and responsibilities in public-private partnerships: A mixed experience. *International Journal of Project Management*, 32(7), 1210-1222.
- Delhi, V. S. K., Mahalingam, A., & Palukuri, S. (2012). Governance issues in BOT based PPP infrastructure projects in India. *Built Environment Project and Asset Management*, 2(2), 234-249.
- Dennard, L. F., Richardson, K. A., & Morçöl, G. (2005). Guest editors' introduction. *Emergence: Complexity & Organization*, 7(1), v-viii.
- Dennard, L. F., Richardson, K. A., & Morçöl, G. (Eds.). (2008). *Complexity and policy analysis: Tools and concepts for designing robust policies in a complex world*. Goodyear: ISCE Publishing.
- Dewulf, G. P. M. R., & Castaño, J. M. (2013). The Netherlands. In K. Verhoest, N. Carbonara, V. Lember, O. H. Petersen, W. Scherrer, & M. van den Hurk (Eds.), *COST action TU1001 public private partnerships in transport: Trends & theory (P3T3) - 2013 discussion papers part 1: Country profiles* (pp. 55-68). Brussels: COST Office.
- Dimitriou, H. T. (2014). What constitutes a 'successful' mega transport project? *Planning Theory & Practice*, 15(3), 389-392.
- Dimitriou, H. T., Ward, E. J., & Wright, P. G. (2013). Mega transport projects - Beyond the 'iron triangle': Findings from the OMEGA research programme. *Progress in Planning*, 86, 1-43.
- Dubois, A., & Gadde, L. E. (2002). Systematic combining: An abductive approach to case research. *Journal of Business Research*, 55(7), 553-560.
- Duşa, A., & Thiem, A. (2014). *A package for qualitative comparative analysis: Version 1.1-2*.
- Easton, G. (2010). Critical realism in case study research. *Industrial Marketing Management*, 39(1), 118-128.
- Edelenbos, J., & Klijn, E. H. (2006). Managing stakeholder involvement in decision making: A comparative analysis of six interactive processes in the Netherlands. *Journal of Public Administration Research and Theory*, 16(3), 417-446.
- Edelenbos, J., & Klijn, E. H. (2009). Project versus process management in public-private partnership: Relation between management style and outcomes. *International Public Management Journal*, 12(3), 310-331.
- Edelenbos, J., Klijn, E. H., & Kort, M. B. (2009). Managing complex process systems: Surviving at the edge of chaos. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 172-192). New York: Routledge.
- Edelenbos, J., & Teisman, G. R. (2008). Public-private partnerships on the edge of project and process management: Insights from Dutch practice: The Sijtwende spatial development project. *Environment and Planning C: Government and Policy*, 26(3), 614-626.

## References

- Edelenbos, J., & Van Buuren, M. W. (2005). The learning evaluation: A theoretical and empirical exploration. *Evaluation Review*, 29(6), 591-612.
- Edelenbos, J., & Van Eeten, M. (2001). The missing link: Processing variation in dialogical evaluation. *Evaluation*, 7(2), 204-210.
- Editor. (2014, 6 oktober). Partijen A15 Maasvlakte-Vaanplein zwijgen over kostenconflict. *Het Financieele Dagblad*.
- Editors. (2014, 8 juli). Aannemers worstelen met A15 Maasvlakte-Vaanplein. *Het Financieele Dagblad*.
- Edland, A., & Svenson, O. (1993). Judgment and decision making under time pressure: Studies and findings. In O. Svenson, & A. J. Maule (Eds.), *Time pressure and stress in human judgment and decision making* (pp. 27-40). New York: Plenum Press.
- Elder-Vass, D. (2005). Emergence and the realist account of cause. *Journal of Critical Realism*, 4(2), 315-338.
- El-Gohary, N. M., Osman, H., & El-Diraby, T. E. (2006). Stakeholder management for public private partnerships. *International Journal of Project Management*, 24(7), 595-604.
- Engwall, M. (2003). No project is an island: Linking projects to history and context. *Research Policy*, 32(5), 789-808.
- EVA-TREN. (2008). *Deliverable 5: Guidelines for ex-ante and ex-post evaluation*. Brussels: European Commission.
- Eversdijk, A. W. W. (2013). *Kiezen voor publiek-private samenwerking*. Den Haag: Boom|Lemma.
- Eversdijk, A. W. W., & Korsten, A. F. A. (2008). De bestuurskundige mythe van verbindend PPS-management: De Tweede Coentunnel als illustratie. *Bestuurswetenschappen*, 62(3), 29-56.
- Eversdijk, A. W. W., & Korsten, A. F. A. (2009). Concessionele publiek-private samenwerking-relaties: Feiten en ficties bij op DBFM gebaseerde infrastructurele projecten. *Bestuurswetenschappen*, 63(3), 25-44.
- Eversdijk, A. W. W., Nagelkerke, M. C. J., Sewbalak, C., Van den Blink, E., & Rodenburg, C. (2011). *Evaluatie DBFM aanbestedingen: Ervaringen delen werkt*. Utrecht: Rijkswaterstaat Dienst Infrastructuur.
- Fischer, F., & Forester, J. (Eds.). (1987). *Confronting values in policy analysis: The politics of criteria*. London: Sage.
- Fischer, F., & Forester, J. (Eds.). (1993). *The argumentative turn in policy analysis and planning*. Durham: Duke University Press.
- Fiss, P. C. (2007). A set-theoretic approach to organizational configurations. *Academy of Management Review*, 32(4), 1180-1198.
- Fiss, P. C., Cambré, B., & Marx, A. (Eds.). (2013). *Configurational theory and methods in organizational research*. Bingley: Emerald Group Publishing Limited.
- Flood, R. L. (1999a). Knowing of the unknowable. *Systemic Practice and Action Research*, 12(3), 247-256.
- Flood, R. L. (1999b). *Rethinking the fifth discipline: Learning within the unknowable*. London: Routledge.
- Flyvbjerg, B. (2007a). Cost overruns and demand shortfalls in urban rail and other infrastructure. *Transportation Planning and Technology*, 30(1), 9-30.
- Flyvbjerg, B. (2007b). Policy and planning for large-infrastructure projects: Problems, causes and cures. *Environment and Planning B: Planning and Design*, 34(4), 578-597.
- Flyvbjerg, B. (2008). Public planning of mega-projects: Overestimation of demand and underestimation of costs. In H. Priemus, B. Flyvbjerg, & B. van Wee (Eds.), *Decision-making on mega-projects: Cost-benefit analysis, planning and innovation* (pp. 120-144). Cheltenham: Edward Elgar.
- Flyvbjerg, B. (2009a). Optimism and misrepresentation in early project development. In T. M. Williams, K. Samset, & K. J. Sunnevåg (Eds.), *Making essential choices with scant information: Front-end decision making in major projects* (pp. 147-168). Basingstoke: Palgrave Macmillan.
- Flyvbjerg, B. (2009b). Survival of the unfittest: Why the worst infrastructure gets built - And what we can do about it. *Oxford Review of Economic Policy*, 25(3), 344-367.
- Flyvbjerg, B., Bruzelius, N., & Rothengatter, W. (2003). *Megaprojects and risk: An anatomy of ambition*. Cambridge: Cambridge University Press.
- Flyvbjerg, B., Skamris Holm, M. K., & Buhl, S. L. (2002). Underestimating costs in public works projects: Error or lie? *Journal of the American Planning Association*, 68(3), 279-295.
- Flyvbjerg, B., Skamris Holm, M. K., & Buhl, S. L. (2003). How common and how large are cost overruns in transport infrastructure projects? *Transport Reviews*, 23(1), 71-88.

- Flyvbjerg, B., Skamris Holm, M. K., & Buhl, S. L. (2004). What causes cost overrun in transport infrastructure projects? *Transport Reviews*, 24(1), 3-18.
- Flyvbjerg, B., Skamris Holm, M. K., & Buhl, S. L. (2005). How (in)accurate are demand forecasts in public work projects? The case of transportation. *Journal of the American Planning Association*, 71(2), 131-146.
- Forester, J. (1999). *The deliberative practitioner: Encouraging participatory planning processes*. Cambridge: MIT Press.
- Forrer, J., Kee, J. E., Newcomer, K. E., & Boyer, E. (2010). Public-private partnerships and the public accountability question. *Public Administration Review*, 70(3), 475-484.
- Forss, K., Marra, M., & Schwartz, R. (Eds.). (2011). *Evaluating the complex: Attribution, contribution, and beyond*. New Brunswick: Transaction Publishers.
- Friese, S. (2013). *ATLAS.ti 7: User guide and reference*. Berlin: Scientific Software Development GmbH.
- Fritzsche, E. (2014). Making hermeneutics explicit: How QCA supports an insightful dialogue between theory and cases. *International Journal of Social Research Methodology*, 17(4), 403-426.
- Geerlings, H., & De Jong, W. M. (2004). *Wegen voor beoordeling: Een onderzoek naar de afweging van grootschalige infrastructuur*. Delft: TRAIL Research School.
- Geraldi, J., Maylor, H., & Williams, T. M. (2011). Now, let's make it really complex (complicated): A systematic review of the complexities of projects. *International Journal of Operations & Production Management*, 31(9), 966-990.
- Gerrits, L. M. (2008). *The gentle art of coevolution: A complexity theory perspective on decision making over estuaries in Germany, Belgium and the Netherlands*. Rotterdam: Erasmus University Rotterdam.
- Gerrits, L. M. (2011). A coevolutionary revision of decision making processes: An analysis of port extensions in Germany, Belgium and the Netherlands. *Public Administration Quarterly*, 35(3), 309-339.
- Gerrits, L. M. (2012). *Punching clouds: An introduction to the complexity of public decision-making*. Litchfield Park: Emergent Publications.
- Gerrits, L. M., & Marks, P. K. (Eds.). (2012). *Compact I: Public administration in complexity*. Litchfield Park: Emergent Publications.
- Gerrits, L. M., & Marks, P. K. (2014). Vastgeklonken aan de Fyra: Een pad-afhankelijkheidsanalyse van de onvermijdelijke keuze voor de falende flitstrein. *Bestuurskunde*, 23(1), 55-64.
- Gerrits, L. M., & Marks, P. K. (OnlineFirst). The evolution of Wright's (1932) adaptive field to contemporary interpretations and uses of fitness landscapes in the social sciences. *Biology & Philosophy*. doi:10.1007/s10539-014-9450-2.
- Gerrits, L. M., & Verweij, S. (2013). Critical realism as a meta-framework for understanding the relationships between complexity and qualitative comparative analysis. *Journal of Critical Realism*, 12(2), 166-182.
- Gerrits, L. M., & Verweij, S. (Accepted). Qualitative comparative analysis as a method for evaluating complex cases: An overview of literature and a stepwise guide with empirical application. *Zeitschrift für Evaluation*.
- Geyer, R., & Rihani, S. (2010). *Complexity and public policy: A new approach to 21st century politics, policy and society*. New York: Routledge.
- Giezen, M. (2012). *Navigating mega projects through complexity and uncertainty: Strategic and adaptive capacity in planning and decision-making*. Amsterdam: University of Amsterdam.
- Goverde, H. (2012). Rijkswaterstaat, on the horns of a dilemma. *Journal of Political Power*, 5(2), 333-351.
- Grant-Muller, S. M., MacKie, P., Nellthorp, J., & Pearson, A. (2001). Economic appraisal of European transport projects: The state-of-the-art revisited. *Transport Reviews*, 21(2), 237-261.
- Greene, J. C. (1988). Communication of results and utilization in participatory program evaluation. *Evaluation and Program Planning*, 11(4), 341-351.
- Greene, J. C. (2001). Dialogue in evaluation: A relational perspective. *Evaluation*, 7(2), 181-187.
- Greiman, V. A. (2013). *Megaproject management: Lessons on risk and project management from the Big Dig*. Hoboken: John Wiley & Sons.
- Gribbin, J. (2004). *Deep simplicity: Chaos, complexity and the emergence of life*. London: Penguin Science.
- Grimsey, D., & Lewis, M. K. (2004). *Public private partnerships: The worldwide revolution in infrastructure provision and project finance*. Cheltenham: Edward Elgar.
- Grimsey, D., & Lewis, M. K. (2005). Are public private partnerships value for money? Evaluating alternative approaches and comparing academic

## References

- and practitioner views. *Accounting Forum*, 29(4), 345-378.
- Grofman, B., & Schneider, C. Q. (2009). An introduction to crisp set QCA with a comparison to binary logistic regression. *Political Research Quarterly*, 62(4), 662-672.
- Gross, M. E., & Garvin, M. J. (2011). Structuring PPP toll-road contracts to achieve public pricing objectives. *Engineering Project Organization Journal*, 1(2), 143-156.
- Guba, E. G., & Lincoln, Y. S. (1989). *Fourth generation evaluation*. London: Sage.
- Hadžikadić, M. (2014). Editor's introduction. *Journal on Policy and Complex Systems*, 1(1), 1-1.
- Hak, T., Jaspers, F., & Dul, J. (2013). The analysis of temporally ordered configurations: Challenges and solutions. In P. C. Fiss, B. Cambré, & A. Marx (Eds.), *Configurational theory and methods in organizational research* (pp. 107-127). Bingley: Emerald.
- Hamersma, M., Tillema, T., Sussman, J., & Arts, J. (2014). Residential satisfaction close to highways: The impact of accessibility, nuisances and highway adjustment projects. *Transportation Research Part A: Policy and Practice*, 59(1), 106-121.
- Hammersley, M. (2008). Causality as conundrum: The case of qualitative inquiry. *Methodological Innovations Online*, 2(3).
- Hammersley, M. (2009). Challenging relativism: The problem of assessment criteria. *Qualitative Inquiry*, 15(1), 3-29.
- Han, S. H., Yun, S., Kim, H., Kwak, Y. H., Park, H. K., & Lee, S. H. (2009). Analyzing schedule delay of mega project: Lessons learned from Korea Train Express. *IEEE Transactions on Engineering Management*, 56(2), 243-256.
- Harvey, D. L. (2009). Complexity and case. In D. S. Byrne, & C. C. Ragin (Eds.), *The Sage handbook of case-based methods* (pp. 15-38). London: Sage.
- Hayashi, Y., & Morisugi, H. (2000). International comparison of background concept and methodology of transportation project appraisal. *Transport Policy*, 7(1), 73-88.
- Haynes, P. (2001). Complexity, quantification and the management of policy. *Social Issues*, 1(2).
- Haynes, P. (2003). *Managing complexity in the public services*. Maidenhead: Open University Press.
- Healey, P. (1997). *Collaborative planning: Shaping places in fragmented societies*. Vancouver: UBC Press.
- Hecht, H., & Niemeier, D. A. (2002). Comparing transportation project development efficiencies: The California Department of Transportation and the California county sales tax agencies. *Transport Policy*, 9(4), 347-356.
- Heeres, N., Tillema, T., & Arts, J. (2012). Integration in Dutch planning of motorways: From 'line' towards 'area-oriented' approaches. *Transport Policy*, 24, 148-158.
- Hertogh, M. J. C. M., Baker, S., Staal-Ong, P. L., & Westerveld, E. (2008). *Managing large infrastructure projects: Research on best practices and lessons learnt in large infrastructure projects in Europe*. Baarn: AT Osborne.
- Hertogh, M. J. C. M., & Westerveld, E. (2010). *Playing with complexity: Management and organisation of large infrastructure projects*. Rotterdam: Erasmus University Rotterdam.
- Hicks, A. (1994). Qualitative comparative analysis and analytical induction: The case of the emergence of the social security state. *Sociological Methods & Research*, 23(1), 86-113.
- Hino, A. (2009). Time-series QCA: Studying temporal change through Boolean analysis. *Sociological Theory and Methods*, 24(2), 247-265.
- Hodge, G. A., & Greve, C. (2007). Public-private partnerships: An international performance review. *Public Administration Review*, 67(3), 545-558.
- Hodge, G. A., & Greve, C. (2009). PPPs: The passage of time permits a sober reflection. *Economic Affairs*, 29(1), 33-39.
- Hodge, G. A., & Greve, C. (2013). Introduction: Public-private partnerships in turbulent times. In C. Greve, & G. A. Hodge (Eds.), *Rethinking public-private partnerships: Strategies for turbulent times* (pp. 1-32). New York: Routledge.
- Hoezen, M. E. L. (2012). *The competitive dialogue procedure: Negotiations and commitment in inter-organisational construction projects*. Enschede: University of Twente.
- Holvoet, N., & Dewachter, S. (2013). Multiple paths to effective national evaluation societies: Evidence from 37 low- and middle-income countries. *American Journal of Evaluation*, 34(4), 519-544.
- Hoorens, S., & Oortwijn, W. (2005). *Richting een beleidsevaluatie cultuur in Nederland: Identificatie van knelpunten en oplossingsrichtingen*. Leiden: RAND Europe.
- Hsieh, T., Lu, S., & Wu, C. (2004). Statistical analysis of causes for change orders in metropolitan public

- works. *International Journal of Project Management*, 22(8), 679-686.
- Hu, Y., Chan, A. P. C., Le, Y., & Jin, R. (2013). From construction megaproject management to complex project management: Bibliographic analysis. *Journal of Management in Engineering*, doi:10.1061/(ASCE)ME.1943-5479.0000254.
- Hudson, J., & Kühner, S. (2013). Qualitative comparative analysis and applied public policy analysis: New applications of innovative methods. *Policy and Society*, 32(4), 279-287.
- Hwang, B., Zhao, X., & Gay, M. J. S. (2013). Public private partnership projects in Singapore: Factors, critical risks and preferred risk allocation from the perspective of contractors. *International Journal of Project Management*, 31(3), 424-433.
- Ibrahim, A. D., Price, A. D. F., & Dainty, A. R. J. (2006). The analysis and allocation of risks in public private partnerships in infrastructure projects in Nigeria. *Journal of Financial Management of Property and Construction*, 11(3), 149-163.
- Innes, J. E., & Booher, D. E. (2010). *Planning with complexity: An introduction to collaborative rationality for public policy*. Abingdon: Routledge.
- Ifan, M., Khursid, M. B., Anastasopoulos, P., Labi, S., & Moavenzadeh, F. (2011). Planning-stage estimation of highway project duration on the basis of anticipated costs, project type, and contract type. *International Journal of Project Management*, 29(1), 78-92.
- Ismail, S. (2011). A systematic review of research on private finance initiative (PFI) and public private partnership (PPP). *International Journal of Economics, Management & Accounting*, 19(3), 33-60.
- Jackson, S. F., & Kolla, G. (2012). A new realistic evaluation analysis method: Linking coding of context, mechanism, and outcome relationships. *American Journal of Evaluation*, 33(3), 339-349.
- Jacobs, J. (1992). *Systems of survival: A dialogue on the moral foundations of commerce and politics*. New York: Vintage Books.
- Jacobson, C., & Choi, S. O. (2008). Success factors: Public works and public-private partnerships. *International Journal of Public Sector Management*, 21(6), 637-657.
- Jeffares, S., Sullivan, H., & Bovaird, T. (2013). Beyond the contract: The challenge of evaluating the performance(s) of public-private partnerships. In C. Greve, & G. A. Hodge (Eds.), *Rethinking public-private partnerships: Strategies for turbulent times* (pp. 166-187). New York: Routledge.
- Jones, R., & Noble, G. (2008). Managing the implementation of public-private partnerships. *Public Money & Management*, 28(2), 109-114.
- Jooste, S. F., & Scott, R. W. (2012). The public-private partnership enabling field: Evidence from three cases. *Administration & Society*, 44(2), 149-182.
- Jordan, E., Gross, M. E., Javernick-Will, A. N., & Garvin, M. J. (2011). Use and misuse of qualitative comparative analysis. *Construction Management and Economics*, 29(11), 1159-1173.
- Kaliba, C., Muya, M., & Mumba, K. (2009). Cost escalation and schedule delays in road construction projects in Zambia. *International Journal of Project Management*, 27(5), 522-531.
- Kärnä, S., Junnonen, J., Manninen, A., & Julin, P. (2013). Exploring project participants' satisfaction in the infrastructure projects. *Engineering Project Organization Journal*, 3(4), 186-197.
- Kaufman, R., Keller, J., & Watkins, R. (1996). What works and what doesn't: Evaluation beyond Kirkpatrick. *Performance + Instruction*, 35(2), 8-12.
- Ke, Y., Wang, S. Q., Chan, A. P. C., & Cheung, E. (2009). Research trend of public-private partnership in construction journals. *Journal of Construction Engineering and Management*, 135(10), 1076-1086.
- Ke, Y., Wang, S. Q., Chan, A. P. C., & Lam, P. T. I. (2010). Preferred risk allocation in China's public-private partnership (PPP) projects. *International Journal of Project Management*, 28(5), 482-492.
- Kerseboom, J. (2008). Leren van evalueren: Over het niet-gebruik van beleidsinformatie. *Bestuurskunde*, 17(2), 41-46.
- KiM. (2008a). *De rol van kosten-batenanalyse in de besluitvorming*. Den Haag: Ministerie van Verkeer en Waterstaat.
- KiM. (2008b). *Wikken en wegen: Het afwegen van investeringen in transportinfrastructuur en van de veranderende rol van de overheid*. Den Haag: Ministerie van Verkeer en Waterstaat.
- KiM. (2009). *Na het knippen van het lint: Het ex-post evalueren van infrastructuur*. Den Haag: Ministerie van Verkeer en Waterstaat.
- KiM. (2010). *Nut en noodzaak: Het afwegen van kosten en baten: Een bijdrage aan snellere en betere besluitvorming bij infrastructuurprojecten*. Den Haag: Ministerie van Infrastructuur en Milieu.
- KiM. (2013). *Werkprogramma 2013*. Den Haag: Ministerie van Infrastructuur en Milieu.
- KING. (2009). *Omgaan met cultuur in megaprojecten*. Rotterdam: Programma Kennis in het Groot.

## References

- Klijin, E. H. (2009). Public-private partnerships in the Netherlands: Policy, projects and lessons. *Economic Affairs*, 29(1), 26-32.
- Klijin, E. H. (2010). Public-private partnerships: Deciphering meaning, message and phenomenon. In G. A. Hodge, C. Greve, & A. E. Boardman (Eds.), *International handbook on public-private partnerships* (pp. 68-80). Cheltenham: Edward Elgar.
- Klijin, E. H., Edelenbos, J., & Hughes, M. (2007). Public-private partnership: A two-headed reform. A comparison of PPP in England and the Netherlands. In C. Pollitt, S. van Thiel, & V. M. F. Homburg (Eds.), *New public management in Europe: Adaptation and alternatives* (pp. 71-89). Basingstoke: Palgrave MacMillan.
- Klijin, E. H., Edelenbos, J., Kort, M. B., & Van Twist, M. J. W. (2006). *Management op het grensolak van publiek en privaat: Hoe managers omgaan met dilemma's in complexe ruimtelijke PPS-projecten*. Den Haag: Lemma.
- Klijin, E. H., Edelenbos, J., Kort, M. B., & Van Twist, M. J. W. (2008). Facing management choices: An analysis of managerial choices in 18 complex environmental public private partnership projects. *International Review of Administrative Sciences*, 74(2), 251-278.
- Klijin, E. H., Steijn, A. J., & Edelenbos, J. (2010). The impact of network management on outcomes in governance networks. *Public Administration*, 88(4), 1063-1082.
- Klijin, E. H., & Teisman, G. R. (2000a). Governing public-private partnerships: Analysing and managing the processes and institutional characteristics of public-private partnerships. In S. P. Osborne (Ed.), *Public-private partnerships: Theory and practice in international perspective* (pp. 85-102). London: Routledge.
- Klijin, E. H., & Teisman, G. R. (2000b). Managing public-private partnerships: Influencing processes and institutional context of public-private partnerships. In O. van Heffen, W. J. M. Kickert, & J. J. A. Thomassen (Eds.), *Governance in modern society: Effects, change and formation of government institutions* (pp. 329-348). Dordrecht: Kluwer Academic Publishers.
- Klijin, E. H., & Teisman, G. R. (2003). Institutional and strategic barriers to public-private partnership: An analysis of Dutch cases. *Public Money & Management*, 23(3), 137-146.
- Klijin, E. H., & Teisman, G. R. (2005). Public-private partnerships as the management of co-production: Strategic and institutional obstacles in a difficult marriage. In G. A. Hodge, & C. Greve (Eds.), *The challenge of public-private partnerships: Learning from international experience* (pp. 95-116). Cheltenham: Edward Elgar.
- Klijin, E. H., & Van Twist, M. J. W. (2007). Publiek-private samenwerking in Nederland: Overzicht van theorie en praktijk. *Management & Organisatie*, 61(3/4), 156-170.
- Knowledge Centre PPP. (2008). *DBFM-handboek: Een verkenning van contractonderdelen*. Den Haag: Ministerie van Financiën.
- Koliba, C., Zia, A., & Lee, B. H. Y. (2011). Utilizing computer simulation models to manage complex governance networks. *The Innovation Journal*, 16(1), 1-26.
- Koppenjan, J. F. M. (2005). The formation of public-private partnerships: Lessons from nine transport infrastructure projects in the Netherlands. *Public Administration*, 83(1), 135-157.
- Koppenjan, J. F. M. (2008). Public-private partnership and mega-projects. In H. Priemus, B. Flyvbjerg, & B. van Wee (Eds.), *Decision-making on mega-projects: Cost-benefit analysis, planning and innovation* (pp. 189-212). Cheltenham: Edward Elgar.
- Koppenjan, J. F. M., & Klijin, E. H. (2004). *Managing uncertainties in networks: A network approach to problem solving and decision making*. London: Routledge.
- Koppenjan, J. F. M., & Leijten, M. (2005a). Hoe verkoop ik een spoorweg? De lessen van het privatiseringsstreven bij de Betuweroute, HSL-Zuid en Zuiderzeelijn. *Beleid en Maatschappij*, 32(3), 139-154.
- Koppenjan, J. F. M., & Leijten, M. (2005b). Privatising railroads: The problematic involvement of the private sector in two Dutch railway projects. *Asia Pacific Journal of Public Administration*, 27(2), 181-199.
- Koppenjan, J. F. M., & Leijten, M. (2007). How to sell a railway: Lessons on the privatization of three Dutch railway projects. *European Journal of Transport and Infrastructure Research*, 7(3), 201-222.
- Kort, M. B., Verweij, S., & Klijin, E. H. (Accepted). In search for effective public-private partnerships: An assessment of the impact of organizational form and managerial strategies in urban regeneration

- partnerships using fsQCA. *Environment and Planning C: Government and Policy*.
- Kreukels, A. M. J., & Spit, T. J. M. (1990). Public-private partnerships in the Netherlands. *Tijdschrift voor Economische en Sociale Geografie*, 81(5), 388-392.
- Kumaraswamy, M. M., & Zhang, X. Q. (2001). Government role in BOT-led infrastructure development. *International Journal of Project Management*, 19(4), 195-205.
- Kwak, Y. H., Chih, Y. Y., & Ibbs, C. W. (2009). Towards a comprehensive understanding of public private partnerships for infrastructure development. *California Management Review*, 51(2), 51-78.
- Landini, S., & Occelli, S. (2012). Editorial: Innovative public policy - The role of complexity science. *Emergence: Complexity & Organization*, 14(4), vii-xiii.
- Larson, E. (1997). Partnering on construction projects: A study of the relationship between partnering activities and project success. *IEEE Transactions on Engineering Management*, 44(2), 188-195.
- Lawther, W. C., & Martin, L. (2014). Availability payments and key performance indicators: Challenges for effective implementation of performance management systems in transportation public-private partnerships. *Public Works Management & Policy*, 19(3), 219-234.
- Ledermann, S. (2012). Exploring the necessary conditions for evaluation use in program change. *American Journal of Evaluation*, 33(2), 159-178.
- Lee, J. (2008). Cost overrun and cause in Korean social overhead capital projects: Roads, rails, airports, and ports. *Journal of Urban Planning and Development*, 134(2), 59-62.
- Leendertse, W., & Arts, J. (2013). Managing public infrastructure networks - On the horns of several dilemmas. In O. J. Klakegg, K. H. Kjølle, C. G. Mehaug, N. O. E. Olsson, A. T. Shiferaw, & R. Woods (Eds.), *Proceedings from the 7th Nordic conference on construction economics and organisation 2013: Green urbanisation - Implications for value creation* (pp. 191-202). Trondheim: Akademika Publishing.
- Leeuw, F. L. (2009). Evaluation policy in the Netherlands. *New Directions for Evaluation*, 2009(123), 87-102.
- Lehtiranta, L., Kärnä, S., Junnonen, J., & Julin, P. (2012). The role of multi-firm satisfaction in construction project success. *Construction Management and Economics*, 30(6), 463-475.
- Lehtonen, M. (2014). Evaluating megaprojects: From the 'iron triangle' to network mapping. *Evaluation*, 20(3), 278-295.
- Lei, D., & Hitt, M. A. (1995). Strategic restructuring and outsourcing: The effect of mergers and acquisitions and LBOs on building firm skills and capabilities. *Journal of Management*, 21(5), 835-859.
- Lenferink, S. (2013). *Market involvement throughout the planning lifecycle: Public and private experiences with evolving approaches integrating the road infrastructure planning process*. Groningen: University of Groningen.
- Lenferink, S. (2014). *Marktbetrokkenheid bij infrastructuurontwikkeling: 10 lessen voor het plan- en aanbestedingsproces*. Nijmegen: Radboud Universiteit Nijmegen.
- Lenferink, S., Arts, J., Tillema, T., Van Valkenburg, M., & Nijsten, R. (2012). Early contractor involvement in Dutch infrastructure development: Initial experiences with parallel procedures for planning and procurement. *Journal of Public Procurement*, 12(1), 1-42.
- Lenferink, S., Tillema, T., & Arts, J. (2013a). Public-private interaction in contracting: Governance strategies in the competitive dialogue of Dutch infrastructure projects. *Public Administration*, 91(4), 928-946.
- Lenferink, S., Tillema, T., & Arts, J. (2013b). Towards sustainable infrastructure development through integrated contracts: Experiences with inclusiveness in Dutch infrastructure projects. *International Journal of Project Management*, 31(4), 615-627.
- Leung, M., Ng, S. T., & Cheung, S. (2004). Measuring construction project participant satisfaction. *Construction Management and Economics*, 22(3), 319-331.
- Lieberson, S. (2004). Comments on the use and utility of QCA. *Qualitative Methods*, 2(2), 13-14.
- Linder, S. H. (1999). Coming to terms with the public-private partnership: A grammar of multiple meanings. *American Behavioral Scientist*, 43(1), 35-51.
- Little, R. G. (2011). The emerging role of public-private partnerships in megaproject delivery. *Public Works Management & Policy*, 16(3), 240-249.
- Losch, A. (2009). On the origins of critical realism. *Theology and Science*, 7(1), 85-106.
- Lousberg, L. H. M. J. (2012). *Sturen op haalbaarheid en relatie: Interventies om disfunctionele conflicten bij*

## References

- publiek private samenwerking in ruimtelijke ontwikkelingsprojecten te voorkomen*. Delft: Technische Universiteit Delft.
- Love, P. E. D., Holt, G. D., Shen, L. Y., Li, H., & Irani, Z. (2002). Using systems dynamics to better understand change and rework in construction project management systems. *International Journal of Project Management*, 20(6), 425-436.
- Love, P. E. D., Smith, J., Simpson, I., Regan, M., & Olatunji, O. (OnlineFirst). Understanding the landscape of overruns in transport infrastructure projects. *Environment and Planning B: Planning and Design*, doi:10.1068/b130102p.
- Mackie, J. L. (1980). *The cement of the universe: A study of causation*. Oxford: Oxford University Press.
- Magnussen, O. E., & Olsson, N. O. E. (2006). Comparative analysis of cost estimates of major public investment projects. *International Journal of Project Management*, 24(4), 281-288.
- Mahoney, J. (2008). Toward a unified theory of causality. *Comparative Political Studies*, 41(4/5), 412-436.
- Manavazhi, M. R., & Adhikari, D. K. (2002). Material and equipment procurement delays in highway projects in Nepal. *International Journal of Project Management*, 20(8), 627-632.
- Mantel, S. J., Meredith, J. R., Shafer, S. M., & Sutton, M. M. (2005). *Core concepts of project management*. New York: Wiley.
- March, J. G. (1994). *A primer on decision making: How decisions happen*. New York: The Free Press.
- Marra, A. (2007). The EU policy towards PPPs: A new institutional economics perspective. *Competition and Regulation in Network Industries*, 8(3), 261-281.
- Marra, M. (2011). Some insights from complexity science for the evaluation of complex policies. In K. Forss, M. Marra, & R. Schwartz (Eds.), *Evaluating the complex: Attribution, contribution, and beyond* (pp. 283-313). New Brunswick: Transaction Publishers.
- Marsden, G., & Stead, D. (2011). Policy transfer and learning in the field of transport: A review of concepts and evidence. *Transport Policy*, 18(3), 492-500.
- Marshall, S. (2009). *Cities, design & evolution*. London: Routledge.
- Marx, A. (2005). Systematisch comparatief case onderzoek en evaluatieonderzoek. *Tijdschrift voor Sociologie*, 26(1), 95-113.
- Marx, A., Rihoux, B., & Ragin, C. C. (2014). The origins, development, and application of qualitative comparative analysis: The first 25 years. *European Political Science Review*, 6(1), 115-142.
- Maylor, H., Brady, T., Cooke-Davies, T., & Hodgson, D. (2006). From projectification to programmatication. *International Journal of Project Management*, 24(8), 663-674.
- McDaniel, R. R., & Driebe, D. J. (Eds.). (2005a). *Uncertainty and surprise in complex systems: Questions on working with the unexpected*. Berlin: Springer-Verlag.
- McDaniel, R. R., & Driebe, D. J. (2005b). Uncertainty and surprise: An introduction. In R. R. McDaniel, & D. J. Driebe (Eds.), *Uncertainty and surprise in complex systems: Questions on working with the unexpected* (pp. 3-12). Berlin: Springer-Verlag.
- McDaniel, R. R., Jordan, M. E., & Fleeman, B. F. (2003). Surprise, surprise, surprise! A complexity science view of the unexpected. *Health Care Management Review*, 28(3), 266-278.
- Meek, J. W. (2010). Complexity theory for public administration and policy. *Emergence: Complexity & Organization*, 12(1), 1-4.
- Meek, J. W. (2014). Editorial: Complexity theory and administrative learning - Adaptive practices in complex governance systems. *Emergence: Complexity & Organization*, 16(1), 1-6.
- Meek, J. W., & Marshall, K. S. (Eds.). (2014). *Compact II: Administrative strategies for complex governance systems*. Litchfield Park: Emergent Publications.
- Morrow, E. W. (1988). *Understanding the outcomes of megaprojects: A quantitative analysis of very large civilian projects*. Santa Monica: RAND Corporation.
- Metze, M. (1997). *Slag om de Betuweroute: Het spel langs de lijn*. Amsterdam: Balans.
- Metze, M. (2010). *Veranderend getij: Rijkswaterstaat in crisis*. Amsterdam: Uitgeverij Balans.
- Miller, C. R., & Lambert, B. (2014). Seventy-five years of transportation administration becoming public administration. *Public Works Management & Policy*, 19(4), 310-315.
- Ministries of I&M, EL&I, & BZK. (2011). *MIRT projectenboek 2012*. Den Haag: Ministerie van Infrastructuur en Milieu.
- Ministries of I&M, EL&I, & BZK. (2012). *MIRT projectenboek 2013*. Den Haag: Ministerie van Infrastructuur en Milieu.
- Ministries of V&W, VROM, EZ, & LNV. (2007). *MIRT projectenboek 2008*. Den Haag: Ministerie van Verkeer en Waterstaat.

- Ministries of V&W, VROM, EZ, LNV, & WWI. (2010). *MIRT projectenboek 2011*. Den Haag: Ministerie van Verkeer en Waterstaat.
- Ministry of Finance. (2012). *Voortgangsrapportage DBFM(O) 2012*. Den Haag: Ministerie van Financiën.
- Ministry of I&M. (2013). *MIRT projectenboek 2014*. Den Haag: Ministerie van Infrastructuur en Milieu.
- Mistarihi, A., Al Refai, M. S., Al Qaid, B. A., & Qeed, M. A. (2012). Competency requirements for managing public private partnerships (PPPs): The case of infrastructure projects in Jordan. *International Journal of Business and Management*, 7(12), 60-73.
- Mistarihi, A., Hutchings, K., & Shacklock, A. (2013). Differing opinions do not spoil friendship: Managing public-private partnership (PPP) infrastructure projects in Jordan. *Public Administration and Development*, 33(5), 371-388.
- Mitchell, M. (2009). *Complexity: A guided tour*. Oxford: Oxford University Press.
- Mjøset, L. (2009). The contextualist approach to social science methodology. In D. S. Byrne, & C. C. Ragin (Eds.), *The Sage handbook of case-based methods* (pp. 39-68). London: Sage.
- Morçöl, G. (2001). What is complexity science? Post-modernist or postpositivist? *Emergence: Complexity & Organization*, 3(1), 104-119.
- Morçöl, G. (2008). Complexity of public policy and administration: Introduction to the special issue. *Public Administration Quarterly*, 32(3), 305-313.
- Morçöl, G. (2012). *A complexity theory for public policy*. New York: Routledge.
- Morçöl, G., Teisman, G. R., & Gerrits, L. M. (2014). Complexity, governance, and networks: Introduction to the inaugural issue. *Complexity, Governance & Networks*, 1(1), 1-4.
- Morgan, G. (2006). *Images of organization*. Thousand Oaks: Sage.
- Mowles, C. (2014). Complex, but not quite complex enough: The turn to the complexity sciences in evaluation scholarship. *Evaluation*, 20(2), 160-175.
- Müller-Seitz, G., & Schüßler, E. (2013). From event management to managing events: A process perspective on organized and unexpected field-level events. In J. Koch, & J. Sydow (Eds.), *Organisation von temporalität und temporärem: Managementforschung 23* (pp. 193-226). Wiesbaden: Springer.
- Municipality of Amsterdam. (2006). *Noord/Zuidlijn kwartaalverslag inclusief auto-onderdoorgang en busstation CS: 1e kwartaal 2006*. Amsterdam: Gemeente Amsterdam.
- Municipality of Amsterdam. (2013). *Noord/Zuidlijn: Verslag nr. 76: 1e kwartaal 2013*. Amsterdam: Gemeente Amsterdam.
- Næss, P., Flyvbjerg, B., & Buhl, S. L. (2006). Do road planners produce more 'honest numbers' than rail planners? An analysis of accuracy in road-traffic forecasts in cities versus peripheral regions. *Transport Reviews*, 26(5), 537-555.
- Neele, J. (2003). Waardse alliantie: Succesvolle samenwerking tussen opdrachtgever en bouwer in de Betuweroute. *Tijdschrift voor Bouwkostenkunde & Huisvestingseconomie*, 22(3), 8-11.
- Ng, A., & Loosemore, M. (2007). Risk allocation in the private provision of public infrastructure. *International Journal of Project Management*, 25(1), 66-76.
- Nieuwenhuis, G. (2008). *De Betuweroute: Goederen sporen van zee naar Zevenaar*. Alkmaar: De Alk.
- Nijkamp, P., Van der Burch, M., & Vindigni, G. (2002). A comparative institutional evaluation of public-private partnerships in Dutch urban land-use and revitalisation projects. *Urban Studies*, 39(10), 1865-1880.
- Odeck, J. (2004). Cost overruns in road construction - What are their sizes and determinants? *Transport Policy*, 11(1), 43-53.
- Odeh, A. M., & Battaineh, H. T. (2002). Causes of construction delay: Traditional contracts. *International Journal of Project Management*, 20(1), 67-73.
- OECD. (2012). *Recommendation of the council on principles for public governance of public-private partnerships*. OECD.
- OECD Global Science Forum. (2009). *Applications for complexity science for public policy: New tools for finding unanticipated consequences and unrealized opportunities*. Paris: OECD.
- Olander, S., & Landin, A. (2005). Evaluation of stakeholder influence in the implementation of construction projects. *International Journal of Project Management*, 23(4), 321-328.
- Olsen, W. (2014). Comment: The usefulness of QCA under realist assumptions. *Sociological Methodology*, 44(1), 101-107.
- O'Toole, L. J., Meier, K. J., & Nicholson-Crotty, S. (2005). Managing upward, downward and outward: Networks, hierarchical relationships and performance. *Public Management Review*, 7(1), 45-68.

## References

- Owens, J., Ahn, J., Shane, J. S., Strong, K. C., & Gransberg, D. D. (2012). Defining complex project management of large U.S. transportation projects: A comparative case study analysis. *Public Works Management & Policy*, 17(2), 170-188.
- Papadopoulos, T. (2012). Public-private partnerships from a systems perspective: A case in the English National Health Service. *Systems Research and Behavioral Science*, 29(4), 420-435.
- Patton, M. Q. (2008). *Utilization-focused evaluation*. Thousand Oaks: Sage.
- Patton, M. Q. (2011). *Developmental evaluation: Applying complexity concepts to enhance innovation and use*. New York: The Guilford Press.
- Pattyn, V. (2014). Why organizations (do not) evaluate? Explaining evaluation activity through the lens of configurational comparative methods. *Evaluation*, 20(3), 348-367.
- Pattyn, V., & Brans, M. (2013). Outsource versus in-house? An identification of organizational conditions influencing the choice for internal or external evaluators. *The Canadian Journal of Program Evaluation*, 28(2), 43-63.
- Pattyn, V., & Verweij, S. (2014). Beleidsevaluaties tussen methode en praktijk: Naar een meer realistische evaluatiebenadering. *Burger, Bestuur & Beleid*, 8(4), 260-267.
- Pawson, R., & Tilley, N. (1997). *Realistic evaluation*. London: Sage.
- PBL, & KiM. (2010). *Met de kennis van nu: Leren van evalueren: Een casestudy: A5 Verlengde Westrandweg*. Den Haag: Uitgeverij PBL.
- Pel, B. (2009). The complexity of self-organization: Boundary judgments in traffic management. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 116-133). New York: Routledge.
- Pestman, P. K. (2001). *In het spoor van de Betuweroute: Mobilisatie, besluitvorming en institutionalisering rond een groot infrastructureel project*. Amsterdam: Rozenberg Publishers.
- Peters, D. (2010). Digging through the heart of reunified Berlin: Unbundling the decision-making process for the Tiergarten-tunnel mega-project. *European Journal of Transport and Infrastructure Research*, 10(1), 89-102.
- Pfeffer, J., & Sutton, R. I. (2006). *Hard facts, dangerous half-truths and total nonsense: Profiting from evidence-based management*. Boston: Harvard Business Press.
- Piperca, S., & Floricel, S. (2012). A typology of unexpected events in complex projects. *International Journal of Managing Projects in Business*, 5(2), 248-265.
- Pollitt, C. (2009). Complexity theory and evolutionary public administration: A sceptical afterword. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 213-230). New York: Routledge.
- Polydoropoulou, A., & Roumboutsos, A. (2009). Evaluating the impact of decision-making during construction on transport project outcome. *Evaluation and Program Planning*, 32(4), 369-380.
- Poon, S. K., Chan, J., Poon, J., & Land, L. K. (2013). Patterned interactions in complex systems: The role of information technology for re-shaping organizational structures. *Proceedings of the 21st European Conference on Information Systems*.
- Pressman, J. L., & Wildavsky, A. ([1973]1984). *Implementation: How great expectations in Washington are dashed in Oakland; Or, why it's amazing that federal programs work at all, this being a saga of the economic development administration as told by two sympathetic observers who seek to build morals on a foundation of ruined hopes*. Berkeley: University of California Press.
- Priemus, H. (2007a). Decision-making on large infrastructure projects: The role of the Dutch parliament. *Transportation Planning and Technology*, 30(1), 71-93.
- Priemus, H. (2007b). Development and design of large infrastructure projects: Disregarded alternatives and issues of spatial planning. *Environment and Planning B: Planning and Design*, 34(4), 626-644.
- Priemus, H. (2010). Besluitvorming infrastructuur: Sneller, maar ook beter? Commissie-Elverding versus Commissie-Duivesteijn. In S. Majoor (Ed.), *Voorbij de beheersing? Bijdragen aan de stadsontwikkeling in Amsterdam* (pp. 70-81). Amsterdam: Project Management Bureau Amsterdam.
- Prigogine, I. (1997). *The end of certainty: Time, chaos, and the new laws of nature*. New York: The Free Press.
- Projectbureau A2 Maastricht. (2012). *Jaarverslag 2011*. Maastricht: Projectbureau A2 Maastricht.
- Projectbureau A2 Maastricht. (2014). *Jaarverslag 2013*. Maastricht: Projectbureau A2 Maastricht.

- Provalis Research. (2013). *QDA miner lite 1.3*.
- Ragin, C. C. (1987). *The comparative method: Moving beyond qualitative and quantitative strategies*. Los Angeles: University of California Press.
- Ragin, C. C. (1992). Casing and the process of social inquiry. In C. C. Ragin, & H. S. Becker (Eds.), *What is a case? Exploring the foundations of social inquiry* (pp. 217-226). Cambridge: Cambridge University Press.
- Ragin, C. C. (1999). Using qualitative comparative analysis to study causal complexity. *Health Services Research, 34*(5), 1225-1239.
- Ragin, C. C. (2000). *Fuzzy-set social science*. Chicago: University of Chicago Press.
- Ragin, C. C. (2008a). *Redesigning social inquiry: Fuzzy sets and beyond*. Chicago: University of Chicago Press.
- Ragin, C. C. (2008b). *User's guide to fuzzy-set/qualitative comparative analysis*. Tucson: Department of Sociology, University of Arizona.
- Ragin, C. C. (2009). Qualitative comparative analysis using fuzzy sets (fsQCA). In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 87-122). London: Sage.
- Ragin, C. C. (2014). Comment: Lucas and Szatrowski in critical perspective. *Sociological Methodology, 44*(1), 80-94.
- Ragin, C. C., & Amoroso, L. M. (2011). *Constructing social research: The unity and diversity of method*. London: Sage.
- Ragin, C. C., & Davey, S. (2009). *Fuzzy-set/qualitative comparative analysis 2.5*. Tucson: University of Arizona.
- Ragin, C. C., & Rihoux, B. (2004). Replies to commentators: Reassurances and rebuttals. *Qualitative Methods, 2*(2), 22-24.
- Ragin, C. C., Shulman, D., Weinberg, A., & Gran, B. (2003). Complexity, generality, and qualitative comparative analysis. *Field Methods, 15*(4), 323-340.
- Ragin, C. C., & Sonnett, J. (2005). Between complexity and parsimony: Limited diversity, counterfactual cases, and comparative analysis. In S. Kropp, & M. Minkenberg (Eds.), *Vergleichen in der politikwissenschaft* (pp. 180-197). Wiesbaden: VS Verlag für Sozialwissenschaften.
- Ragin, C. C., & Strand, S. I. (2008). Using qualitative comparative analysis to study causal order: Comment on Caren and Panofsky (2005). *Sociological Methods and Research, 36*(4), 431-441.
- Rantala, K., & Hellström, E. (2001). Qualitative comparative analysis and a hermeneutic approach to interview data. *International Journal of Social Research Methodology, 4*(2), 87-100.
- Reed, M., & Harvey, D. L. (1992). The new science and the old: Complexity and realism in the social sciences. *Journal for the Theory of Social Behaviour, 22*(4), 353-380.
- Reijniers, J. J. A. M. (1994). Organization of public-private partnership projects: The timely prevention of pitfalls. *International Journal of Project Management, 12*(3), 137-142.
- Rescher, N. (1995). *Luck: The brilliant randomness of everyday life*. Pittsburgh: University of Pittsburgh Press.
- Rescher, N. (1998). *Complexity: A philosophical overview*. New Brunswick: Transaction Publishers.
- Reynaers, A. (2014). *It takes two to tangle: Public-private partnerships and their impact on public values*. Amsterdam: VU University Amsterdam.
- Reynaers, A., & De Graaf, G. (2014). Public values in public-private partnerships. *International Journal of Public Administration, 37*(2), 120-128.
- Reynaers, A., & Verweij, S. (2014). Kritisch kijken naar kansen: De schaduwzijden van DBFMO. *ROMagazine, 32*(4), 32-34.
- Rhodes, M. L., Murphy, J., Muir, J., & Murray, J. A. (2011). *Public management and complexity theory: Richer decision-making in public services*. New York: Routledge.
- Rigden, S. R. (1983). Project management and the construction of the Hong Kong mass transit railway. *International Journal of Project Management, 1*(3), 136-141.
- Rihoux, B. (2003). Bridging the gap between the qualitative and quantitative worlds? A retrospective and prospective view on qualitative comparative analysis. *Field Methods, 15*(4), 351-365.
- Rihoux, B. (2006). Qualitative comparative analysis (QCA) and related systematic comparative methods: Recent advances and remaining challenges for social science research. *International Sociology, 21*(5), 679-706.
- Rihoux, B. (2013). Qualitative comparative analysis (QCA), anno 2013: Reframing the Comparative Method's seminal statements. *Swiss Political Science Review, 19*(2), 233-245.
- Rihoux, B., Álamos-Concha, P., Bol, D., Marx, A., & Rezsöhazy, I. (2013). From niche to mainstream method? A comprehensive mapping of QCA

## References

- applications in journal articles from 1984 to 2011. *Political Research Quarterly*, 66(1), 175-184.
- Rihoux, B., & De Meur, G. (2009). Crisp-set qualitative comparative analysis (csQCA). In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 33-68). London: Sage.
- Rihoux, B., & Grimm, H. (2006a). Conclusion - Innovative comparative methods for policy analysis: Milestones to bridge different worlds. In B. Rihoux, & H. Grimm (Eds.), *Innovative comparative methods for policy analysis: Beyond the quantitative-qualitative divide* (pp. 287-296). New York: Springer.
- Rihoux, B., & Grimm, H. (Eds.). (2006b). *Innovative comparative methods for policy analysis: Beyond the quantitative-qualitative divide*. New York: Springer.
- Rihoux, B., & Lobe, B. (2009). The case for qualitative comparative analysis (QCA): Adding leverage for thick cross-case comparison. In D. S. Byrne, & C. C. Ragin (Eds.), *The Sage handbook of case-based methods* (pp. 222-242). London: Sage.
- Rihoux, B., & Ragin, C. C. (Eds.). (2009a). *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques*. London: Sage.
- Rihoux, B., & Ragin, C. C. (2009b). Introduction. In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. xvii-xxv). London: Sage.
- Rihoux, B., Ragin, C. C., Yamasaki, S., & Bol, D. (2009). Conclusions - The way(s) ahead. In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 167-178). London: Sage.
- Rihoux, B., Rezsöhazy, I., & Bol, D. (2011). Qualitative comparative analysis (QCA) in public policy analysis: An extensive review. *German Policy Studies*, 7(3), 9-82.
- Rijkswaterstaat. (2004). *Ondernemingsplan: Een nieuw perspectief voor Rijkswaterstaat: Doorpakken, wel degelijk*. Rijkswaterstaat.
- Rijkswaterstaat. (2008). *Ondernemingsplan agenda 2012: We pakken door!* Den Haag: Rijkswaterstaat.
- Rijkswaterstaat. (2011). *Ondernemingsplan 2015: Eén Rijkswaterstaat, elke dag beter!* Den Haag: Rijkswaterstaat.
- Rijkswaterstaat. (2012). *Rijkswaterstaat: About us*. Rijkswaterstaat.
- Rijkswaterstaat. (2013a). *Annual review Rijkswaterstaat: 2012*. Rijkswaterstaat.
- Rijkswaterstaat. (2013b). *PPP in the Netherlands: Upcoming dealflow*. Rijkswaterstaat.
- Rijkswaterstaat. (2014). *Annual report Rijkswaterstaat: 2013*. Den Haag: Rijkswaterstaat.
- Ring, P. S., & Perry, J. L. (1985). Strategic management in public and private organizations: Implications of distinctive contexts and constraints. *Academy of Management Review*, 10(2), 276-286.
- Rittel, H. W. J., & Webber, M. M. (1973). Dilemma's in a general theory of planning. *Policy Sciences*, 4(2), 155-169.
- Robson, C. (2002). *Real world research: A resource for social scientists and practitioner-researchers*. Oxford: Blackwell Publishing.
- Rogers, P. J. (2008). Using programme theory to evaluate complicated and complex aspects of interventions. *Evaluation*, 14(1), 29-48.
- Rogers, P. J. (2011). Implications of complicated and complex characteristics for key tasks in evaluation. In K. Forss, M. Marra, & R. Schwartz (Eds.), *Evaluating the complex: Attribution, contribution, and beyond* (pp. 33-52). New Brunswick: Transaction Publishers.
- Room, G. (2011). *Complexity, institutions and public policy: Agile decision-making in a turbulent world*. Cheltenham: Edward Elgar.
- Roumboutsos, A., & Anagnostopoulos, K. P. (2008). Public-private partnership projects in Greece: Risk ranking and preferred risk allocation. *Construction Management and Economics*, 26(7), 751-763.
- Rousseau, D. M. (2006). Is there such a thing as 'evidence-based management'? *Academy of Management Review*, 31(2), 256-269.
- Rubinson, C. (2013). Contradictions in fsQCA. *Quality & Quantity*, 47(5), 2847-2867.
- Sager, F. (2007). Making transport policy work: Polity, policy, politics and systematic review. *Policy & Politics*, 35(2), 269-288.
- Sager, F., & Andereggen, C. (2012). Dealing with complex causality in realist synthesis: The promise of qualitative comparative analysis. *American Journal of Evaluation*, 33(1), 60-78.
- Sakal, M. W. (2005). Project alliancing: A relational contracting mechanism for dynamic projects. *Lean Construction Journal*, 2(1), 67-79.

- Sanderson, J. (2012). Risk, uncertainty and governance in megaprojects: A critical discussion of alternative explanations. *International Journal of Project Management*, 30(4), 432-443.
- Sanderson, I. (2000). Evaluation in complex policy systems. *Evaluation*, 6(4), 433-454.
- Sanderson, I. (2002). Evaluation, policy learning and evidence-based policy making. *Public Administration*, 80(1), 1-22.
- Sayer, A. (1992). *Method in social science: A realist approach*. London: Routledge.
- Sayer, A. (2000). *Realism and social science*. London: Sage.
- Schaeffer, P. V., & Loveridge, S. (2002). Toward an understanding of types of public-private cooperation. *Public Performance & Management Review*, 26(2), 169-189.
- Schneider, C. Q., & Wagemann, C. (2006). Reducing complexity in qualitative comparative analysis (QCA): Remote and proximate factors and the consolidation of democracy. *European Journal of Political Research*, 45(5), 751-786.
- Schneider, C. Q., & Wagemann, C. (2007). *Qualitative comparative analysis (QCA) und fuzzy sets: Ein lehrbuch für anwender und alle, die es werden wollen*. Opladen & Farmington Hills: Verlag Barbara Budrich.
- Schneider, C. Q., & Wagemann, C. (2010). Standards of good practice in qualitative comparative analysis (QCA) and fuzzy sets. *Comparative Sociology*, 9(3), 397-418.
- Schneider, C. Q., & Wagemann, C. (2012). *Set-theoretic methods for the social sciences: A guide to qualitative comparative analysis*. Cambridge: Cambridge University Press.
- Schwartz-Shea, P., & Yanow, D. (2012). *Interpretive research design: Concepts and process*. New York: Routledge.
- Selsky, J. W., & Parker, B. (2005). Cross-sector partnerships to address social issues: Challenges to theory and practice. *Journal of Management*, 31(6), 849-873.
- Short, J., & Kopp, A. (2005). Transport infrastructure: Investment and planning. Policy and research aspects. *Transport Policy*, 12(4), 360-367.
- Sibeon, R. (1999). Anti-reductionist sociology. *Sociology*, 33(2), 317-334.
- Siemiatycki, M. (2009). Delivering transportation infrastructure through public-private partnerships: Planning concerns. *Journal of the American Planning Association*, 76(1), 43-58.
- Siemiatycki, M. (2011). Public-private partnership networks: Exploring business-government relationships in United Kingdom transportation projects. *Economic Geography*, 87(3), 309-334.
- Simon, H. A. (1962). The architecture of complexity. *Proceedings of the American Philosophical Society*, 106(6), 467-482.
- Skamris Holm, M. K., & Flyvbjerg, B. (1997). Inaccuracy of traffic forecasts and cost estimates on large transport projects. *Transport Policy*, 4(3), 141-146.
- Smith, N. J., Merna, T., & Jobling, P. (2014). *Managing risk in construction projects*. Chichester: Wiley Blackwell.
- Smithson, M., & Verkuilen, J. (2006). *Fuzzy set theory: Applications in the social sciences*. Thousand Oaks: Sage.
- Smits, K. C. M. (2013). *Cross culture work: Practices of collaboration in the Panama Canal expansion program*. Delft: Next Generation Infrastructures.
- Smyth, H. J., & Edkins, A. (2007). Relationship management in the management of PFI/PPP projects in the UK. *International Journal of Project Management*, 25(3), 232-240.
- Smyth, H. J., & Morris, P. W. G. (2007). An epistemological evaluation of research into projects and their management: Methodological issues. *International Journal of Project Management*, 25(4), 423-436.
- Söderholm, A. (2008). Project management of unexpected events. *International Journal of Project Management*, 26(1), 80-86.
- Soetenhorst, B. (2011). *Het wonder van de Noord/Zuidlijn: Het drama van de Amsterdamse metro*. Amsterdam: Uitgeverij Bert Bakker.
- Spekkink, W. A. H. (OnlineFirst). Building capacity for sustainable regional industrial systems: An event sequence analysis of developments in the Sloe Area and Canal Zone. *Journal of Cleaner Production*, doi:10.1016/j.jclepro.2014.08.028.
- Stern, E., Stame, N., Mayne, J., Forss, K., Davies, R., & Befani, B. (2012). *Broadening the range of designs and methods for impact evaluations: Report of a study commissioned by the Department for International Development*. London: Department for International Development.
- Tang, L., Shen, Q., & Cheng, E. W. L. (2010). A review of studies on public-private partnership projects in

## References

- the construction industry. *International Journal of Project Management*, 28(7), 683-694.
- Tanner, S. (2014). QCA is of questionable value for policy research. *Policy and Society*, 33(3), 287-298.
- TCI. (2004a). *Onderzoek naar infrastructuurprojecten: Grote infrastructuurprojecten: Inzichten en aandachtspunten (achtergrondstudies)*. Den Haag: Sdu Uitgevers.
- TCI. (2004b). *Onderzoek naar infrastructuurprojecten: Hoofdrapport*. Den Haag: Sdu Uitgevers.
- TCI. (2004c). *Onderzoek naar infrastructuurprojecten: Reconstructie Betuweroute: De besluitvorming uitvergroet*. Den Haag: Sdu Uitgevers.
- TCI. (2004d). *Onderzoek naar infrastructuurprojecten: Reconstructie HSL-Zuid: De besluitvorming uitvergroet*. Den Haag: Sdu Uitgevers.
- Teisman, G. R. (2005). *Publiek management op de grens van chaos en orde: Over leidinggeven en organiseren in complexiteit*. Den Haag: Academic Service.
- Teisman, G. R. (2010). Infrastructure investments on the edge of public and private domains. In G. A. M. Arts, W. M. Dicke, & L. Hancher (Eds.), *New perspectives on investment in infrastructures* (pp. 319-346). The Hague & Amsterdam: Scientific Council for Government Policy & Amsterdam University Press.
- Teisman, G. R., & Gerrits, L. M. (2014). The emergence of complexity in the art and science of governance. *Complexity, Governance & Networks*, 1(1), 17-28.
- Teisman, G. R., & Klijin, E. H. (2002). Partnership arrangements: Governmental rhetoric or governance scheme? *Public Administration Review*, 62(2), 197-205.
- Teisman, G. R., & Klijin, E. H. (2008). Complexity theory and public management: An introduction. *Public Management Review*, 10(3), 287-297.
- Teisman, G. R., Van Buuren, M. W., & Gerrits, L. M. (Eds.). (2009). *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments*. New York: Routledge.
- Teisman, G. R., Westerveld, E., & Hertogh, M. J. C. M. (2009). Appearances and sources of process dynamics: The case of infrastructure development in the UK and the Netherlands. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 56-75). New York: Routledge.
- Thiem, A. (2013). Clearly crisp, and not fuzzy: A reassessment of the (putative) pitfalls of multi-value QCA. *Field Methods*, 25(2), 197-207.
- Thiem, A. (2014). Navigating the complexities of qualitative comparative analysis: Case numbers, necessity relations, and model ambiguities. *Evaluation Review*, 38(6), 487-513.
- Thiem, A. (2015). Parameters of fit and intermediate solutions in multi-value qualitative comparative analysis. *Quality & Quantity*, 49(2), 657-674.
- Thiem, A., & Duşa, A. (2013a). Boolean minimization in social science research: A review of current software for qualitative comparative analysis (QCA). *Social Science Computer Review*, 31(4), 505-521.
- Thiem, A., & Duşa, A. (2013b). QCA: A package for qualitative comparative analysis. *The R Journal*, 5(1), 87-97.
- Thiem, A., & Duşa, A. (2013c). *Qualitative comparative analysis with R: A user's guide*. New York: Springer.
- Tillema, T., & Arts, J. (2009). *Road infrastructure planning in the Netherlands: Problems and trends for increasing sustainability*. Groningen: University of Groningen.
- Ton, G. (2012). The mixing of methods: A three-step process for improving rigour in impact evaluations. *Evaluation*, 18(1), 5-25.
- Toor, S., & Ogunlana, S. O. (2010). Beyond the 'iron triangle': Stakeholder perception of key performance indicators (KPIs) for large-scale public sector development projects. *International Journal of Project Management*, 28(3), 228-236.
- Torres, R. T., & Preskill, H. (2001). Evaluation and organizational learning: Past, present, and future. *American Journal of Evaluation*, 22(3), 387-395.
- Uprichard, E., & Byrne, D. S. (2006). Representing complex places: A narrative approach. *Environment and Planning A*, 38(4), 665-676.
- Van den Brink, M. A. (2009). *Rijkswaterstaat on the horns of a dilemma*. Delft: Eburon.
- Van der Meer, F. B., & Edelenbos, J. (2006). Evaluation in multi-actor policy processes: Accountability, learning and co-operation. *Evaluation*, 12(2), 201-218.
- Van Gils, M. K. A., Gerrits, L. M., & Teisman, G. R. (2009). Non-linear dynamics in port systems: Change events at work. In G. R. Teisman, M. W. van Buuren, & L. M. Gerrits (Eds.), *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments* (pp. 76-96). New York: Routledge.

- Van Gils, M. K. A., Verweij, S., & Gerrits, L. M. (2011). A2 Maastricht: Meerwaardecreatie door brede aanpak: Werk met werk maken boven de snelweg. *ROMagazine*, 29(9), 29-33.
- Van Ham, H., & Koppenjan, J. F. M. (2001). Building public-private partnerships: Assessing and managing risks in port development. *Public Management Review*, 3(4), 593-616.
- Van Ham, H., & Koppenjan, J. F. M. (Eds.). (2002). *Publiek-private samenwerking bij transportinfrastructuur: Wenkend of wijkend perspectief?* Utrecht: Lemma.
- Van Marrewijk, A., Clegg, S. R., Pitsis, T. S., & Veenswijk, M. (2008). Managing public-private megaprojects: Paradoxes, complexity, and project design. *International Journal of Project Management*, 26(6), 591-600.
- Van Valkenburg, M., & Nagelkerke, M. C. J. (2006). Interweaving planning procedures for environmental impact assessment for high level infrastructure with public procurement procedures. *Journal of Public Procurement*, 6(3), 250-273.
- Varone, F., Rihoux, B., & Marx, A. (2006). A new method for policy evaluation? Longstanding challenges and the possibilities of qualitative comparative analysis (QCA). In B. Rihoux, & H. Grimm (Eds.), *Innovative comparative methods for policy analysis: Beyond the quantitative-qualitative divide* (pp. 213-236). New York: Springer.
- Verbraeken, H., & Weissink, A. (2014, 7 oktober). Nieuwe Botlek-brug zorgt voor grootste kostenoverschrijding A15-project. *Het Financieele Dagblad*.
- Verhees, G. (2013). *Publiek-private samenwerking: Adaptieve planning in theorie en praktijk*. Groningen: Rijksuniversiteit Groningen.
- Verweij, S. (2012a). Management as system synchronization: The case of the Dutch A2 passageway Maastricht project. *Emergence: Complexity & Organization*, 14(4), 17-37.
- Verweij, S. (2012b). Systeemsynchronisatie bij gebiedsontwikkeling Avenue2 Maastricht: Overheid en markt doen beide waar ze goed in zijn. *ROMagazine*, 30(9), 30-32.
- Verweij, S. (2013). Ingewikkeld? Kijk goed om je heen! Sociale complexiteit in de uitvoering vraagt om een blik naar buiten. *Infra*, 2(2), 40-43.
- Verweij, S. (2015a). Achieving satisfaction when implementing PPP transportation infrastructure projects: A qualitative comparative analysis of the A15 highway DBFM project. *International Journal of Project Management*, 33(1), 189-200.
- Verweij, S. (2015b). Voorsorteren op de belofte van DBFM: Het juist managen en evalueren van de complexiteit in DBFM-transportinfrastructuurprojecten. *Verkeerskunde*, 66(2), 16-17.
- Verweij, S., & Gerrits, L. M. (2011). MIRT is niet vanzelf sneller en slimmer. *ROMagazine*, 29(5), 32-33.
- Verweij, S., & Gerrits, L. M. (2012a). Assessing the applicability of qualitative comparative analysis for the evaluation of complex projects. In L. M. Gerrits, & P. K. Marks (Eds.), *Compact 1: Public administration in complexity* (pp. 93-117). Litchfield Park: Emergent Publications.
- Verweij, S., & Gerrits, L. M. (2012b). Systematische kwalitatieve vergelijkende analyse. *Kwalon*, 17(3), 25-33.
- Verweij, S., & Gerrits, L. M. (2013). Understanding and researching complexity with qualitative comparative analysis: Evaluating transportation infrastructure projects. *Evaluation*, 19(1), 40-55.
- Verweij, S., & Gerrits, L. M. (2014). Managing unplanned events in large infrastructure projects: Results from an in-depth comparative case evaluation. In J. W. Meek, & K. S. Marshall (Eds.), *Compact II: Administrative strategies for complex governance systems* (pp. 81-108). Litchfield Park: Emergent Publications.
- Verweij, S., & Gerrits, L. M. (2015). How satisfaction is achieved in the implementation phase of large transportation infrastructure projects: A qualitative comparative analysis into the A2 tunnel project. *Public Works Management & Policy*, 20(1), 5-28.
- Verweij, S., Klijn, E. H., Edelenbos, J., & Van Buuren, M. W. (2013). What makes governance networks work? A fuzzy set qualitative comparative analysis of 14 Dutch spatial planning projects. *Public Administration*, 91(4), 1035-1055.
- Verweij, S., Van Meerkerk, I. F., Koppenjan, J. F. M., & Geerlings, H. (2014). Institutional interventions in complex urban systems: Coping with boundary issues in urban planning projects. *Emergence: Complexity & Organization*, 16(1), 7-23.
- Verweij, S., Van Meerkerk, I. F., & Korthagen, I. A. (2015). Reasons for contract changes in implementing Dutch transportation infrastructure projects: An empirical exploration. *Transport Policy*, 37(1), 195-202.
- Vickerman, R. (2007). Cost-benefit analysis and large-scale infrastructure projects: State of the art and

## References

- challenges. *Environment and Planning B: Planning and Design*, 34(4), 598-610.
- Vink, M. P., & Van Vliet, O. (2009). Not quite crisp, not yet fuzzy? Assessing the potentials and pitfalls of multi-value QCA. *Field Methods*, 21(3), 265-289.
- Vink, M. P., & Van Vliet, O. (2013). Potentials and pitfalls of multi-value QCA: Response to Thiem. *Field Methods*, 25(2), 208-213.
- Vis, B. (2007). States of welfare or states of workfare? Welfare state restructuring in 16 capitalist democracies, 1985-2002. *Policy & Politics*, 35(1), 102-122.
- Wagenaar, H. (2006). Democracy and prostitution: Deliberating the legalization of brothels in the Netherlands. *Administration & Society*, 38(2), 198-235.
- Waldrop, M. M. (1992). *Complexity: The emerging science at the edge of order and chaos*. New York: Simon & Schuster Paperbacks.
- Walter, A. I., & Scholz, R. W. (2007). Critical success conditions of collaborative methods: A comparative evaluation of transport planning projects. *Transportation*, 34(2), 195-212.
- Walton, M. (2014). Applying complexity theory: A review to inform evaluation design. *Evaluation and Program Planning*, 45, 119-126.
- Ward, S., & Chapman, C. (2003). Transforming project risk management into project uncertainty management. *International Journal of Project Management*, 21(2), 97-105.
- Ward, S., & Chapman, C. (2008). Stakeholders and uncertainty management in projects. *Construction Management and Economics*, 26(6), 563-577.
- Weick, K. E., & Sutcliffe, K. M. (2001). *Managing the unexpected: Assuring high performance in an age of complexity*. San Francisco: Jossey-Bass.
- Weick, K. E., & Sutcliffe, K. M. (2007). *Managing the unexpected: Resilient performance in an age of uncertainty*. San Francisco: Jossey-Bass.
- Weihe, G. (2008a). Ordering disorder - On the perplexities of the partnership literature. *The Australian Journal of Public Administration*, 67(4), 430-442.
- Weihe, G. (2008b). Public-private partnerships and public-private value trade-offs. *Public Money & Management*, 28(3), 153-158.
- Weihe, G. (2009). *Public-private partnerships: Meaning and practice*. Copenhagen: Copenhagen Business School.
- Weiss, R. S. (1994). *Learning from strangers: The art and method of qualitative interview studies*. New York: The Free Press.
- Welde, M., & Odeck, J. (2011). Do planners get it right? The accuracy of travel demand forecasting in Norway. *European Journal of Transport and Infrastructure Research*, 11(1), 80-95.
- Westhorp, G. (2012). Using complexity-consistent theory for evaluating complex systems. *Evaluation*, 18(4), 405-420.
- Wettenhal, R. (2003). The rhetoric and reality of public-private partnerships. *Public Organization Review*, 3(1), 77-107.
- Whitty, S. J., & Maylor, H. (2009). And then came complex project management (revised). *International Journal of Project Management*, 27(3), 304-310.
- Williams, M. (2009). Social objects, causality and contingent realism. *Journal for the Theory of Social Behaviour*, 39(1), 1-18.
- Williams, M. (2011). Contingent realism - Abandoning necessity. *Social Epistemology*, 25(1), 37-56.
- Winter, M., Smith, C., Morris, P. W. G., & Cicmil, S. (2006). Directions for future research in project management: The main findings of a UK government-funded research network. *International Journal of Project Management*, 24(8), 638-649.
- Wolf-Branigin, M. (2013). *Using complexity theory for research and program evaluation*. Oxford: Oxford University Press.
- WRR. (1994a). *Besluiten over grote projecten*. Den Haag: Sdu Uitgevers.
- WRR. (1994b). *Grote projecten in Nederland: Een analyse van het tijdsbeslag van twintig besluitvormingsprocessen*. Den Haag: Sdu Uitgevers.
- WRR. (1994c). *Versnelling juridische procedures grote projecten*. Den Haag: Sdu Uitgevers.
- Wuisman, J. J. J. M. (2005). The logic of scientific discovery in critical realist social scientific research. *Journal of Critical Realism*, 4(2), 366-394.
- Yamasaki, S., & Rihoux, B. (2009). A commented review of applications. In B. Rihoux, & C. C. Ragin (Eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 123-146). London: Sage.
- Yang, C. (2007). Primary influential factors in the management of public transport projects in Taiwan. *Canadian Journal of Civil Engineering*, 34(1), 1-11.

- Yescombe, E. R. (2007). *Public-private partnerships: Principles of policy and finance*. Burlington: Butterworth-Heinemann.
- Yescombe, E. R. (2013). PPPs and project finance. In P. de Vries, & E. B. Yehoue (Eds.), *The Routledge companion to public-private partnerships* (pp. 227-246). Abingdon: Routledge.
- Yin, R. K. (2013). Validity and generalization in future case study evaluations. *Evaluation, 19*(3), 321-332.