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Wegwijs in living labs in infrastructuur en ruimtelijke planning: Een theoretische en empirische verkenning

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Referentielijst, Eindnoten en Appendices

Eindnoten

¹ Synoniemen die vaak worden gebruikt zijn: urban labs, field labs, stadslabs, experimenteerruimten, proeftuinen, broedplaatsen en learning labs.

² In de literatuur over living labs wordt aangegeven dat er slechts enkele studies zijn over de uitkomsten van de innovatieprocessen in living labs (Leminen, 2015; Sauer, 2013; Schuurman, 2015).

³ De literatuur schrijft niet voor met welke kwantitatieve (García-Guzmán, Fernández del Carpio, de Amescua, & Velasco, 2013) of kwalitatieve indicatoren (Nevens, Frantzeskaki, Gorissen, & Loorbach, 2013) de uitkomsten van een living lab kunnen worden gemeten.

⁴ Zonder plan van eisen worden creativiteit, multidisciplinariteit en co-creatie gestimuleerd (Bergvall-Kareborn & Ståhlbröst, 2009).

⁵ Zie: <http://www.rwsleefomgeving.nl/onderwerpen/bodem-ondergrond/grondwater/grondwater-ro/agendering/weten-willen-werken/>.

⁶ De scope van dit onderzoek was beperkt tot de living labs literatuur.

Agenda Stad. (2016). Agenda stad: Steden maken het verschil: Samenwerken aan de toekomst van stedelijk Nederland.

Baltes, G., & Gard, J. (2010). Living labs as intermediary in open innovation: On the role of entrepreneurial support. Presented at the International ICE Conference on Engineering, Technology and Innovation, Lugano.

Bergvall-Kareborn, B., Eriksson, C. L., Ståhlbröst, A., & Svensson, J. A. (2009). Milieu for innovation - Defining living labs. Presented at the Proceedings of the 2nd ISPIM Innovation Symposium, New York.

Bergvall-Kareborn, B., Holst, M., & Ståhlbröst, A. (2009). Concept design with a living lab approach. Presented at the Proceedings of the 42nd Hawaii International Conference on System Sciences.

Bergvall-Kareborn, B., & Ståhlbröst, A. (2009). Living Lab: An open and citizen-centric approach for innovation. *International Journal of Innovation and Regional Development*, 1(4), 356–370.

Bestuurlijk Platform Ruimtelijke Adaptatie. (2016).

- Deltaprogramma ruimtelijke adaptatie: Werkplan 2016.
- Bulkeley, H., Breitfuss, M., Coenen, L., Frantzeskaki, N., Fuenfschilling, L., Grillitsch, M., ... Voytenko, Y. (2015). Working paper on urban living labs and urban sustainability transitions. Governance of Urban Sustainability Transitions.
- Chesbrough, H. W. (2003). Open innovation: The new imperative for creating and profiting from technology. Boston: Harvard Business Press.
- Coaffee, J., & Healey, P. (2003). "My voice: my place": Tracking transformations in urban governance. *Urban Studies*, 40(10), 1979–1999.
- Coalitie Stevige Stad op Slappe Bodem. (2016). Stevige stad op slappe bodem, tussentijdse update: 1 juli 2016.
- De Bruijn, H., ten Heuvelhof, E., & In't Veld, R. (2002). Procesmanagement: Over procesontwerp en besluitvorming. Den Haag: Academic Service.
- Dell'Era, C., & Landoni, P. (2014). Living lab: A methodology between user-centred design and participatory design. *Creativity and Innovation Management*, 23(2), 137–154.
- DRIFT. (2011). Urban transition management manual: Navigator of the MUSIC project. Dutch Research institute for Transitions.
- Dutilleul, B., Birrer, F. A. J., & Mensink, W. (2010). Unpacking European living labs: Analysing innovation's social dimensions. *Central European Journal of Public Policy*, 4(1), 60–85.
- Engwall, M. (2003). No project is an island: linking projects to history and context. *Research Policy*, 32(5), 789–808.
- Evans, J., & Karvonen, A. (2011). Living laboratories for sustainability: Exploring the politics and epistemology of urban transition. In H. Bulkeley, V. C. Broto, M. Hodson, & S. Marvin (Eds.), *Cities and low carbon transitions* (pp. 26–141). London: Routledge.
- Fahy, C., De Leon, P., Ståhlbröst, A., Schaffers, H., & Hongisto, P. (2007). Services of living labs and their networks. In P. Cunningham & M. Cunningham (Eds.), *Expanding the knowledge economy: Issues, applications, case studies*. Amsterdam: IOS Press.
- Følstad, A. (2008). Towards a living lab for the development of online community services. *The Electronic Journal for Virtual Organizations and Networks*, 10, 47–58.
- Forrest, N., & Wiek, A. (2014). Learning from success - Toward evidence-informed sustainability transitions in communities. *Environmental Innovation and Societal Transitions*, 12, 66–88.
- García-Guzmán, J., Fernández del Carpio, A., de Amescua, A., & Velasco, M. (2013). A process reference model for managing living labs for ICT innovation: A proposal based on ISO/IEC 15504. *Computer Standards & Interfaces*, 36(1), 33–41.
- García-Guzmán, J., Schaffers, H., Bilicki, V., Merz, C., & Valenzuela, M. (2008). Living labs fostering open innovation and rural development: Methodology and results (pp. 1–8). Presented at the 2008 IEEE International Technology Management Conference (ICE).
- Holst, M. (2012). The living lab methodology handbook.
- Hueskes, M., Koppenjan, J. F. M., & Verweij, S. (2016). Publiek-private samenwerking in Nederland en Vlaanderen: Een review van veertien proefschriften. *Bestuurskunde*, 25(2), 90–104.
- Karré, P. M., Vanhommerig, I., & Bueren, E. (2015). De stad als lab voor sociale verandering. *Bestuurskunde*, 24(1), 3–11.
- Klijn, E. H., & Koppenjan, J. F. M. (2016). Governance networks in the public sector. Abingdon: Routledge.
- Lehtonen, M. (2014). Evaluating megaprojects: From the "iron triangle" to network mapping. *Evaluation*, 20(3), 278–295.
- Leminen, S. (2015). Living labs as open innovation networks: Networks, roles and innovation outcomes. Espoo: Aalto University.
- Leminen, S., Westerlund, M., & Nyström, A.-G. (2012). Living labs as open-innovation networks. *Technology Innovation Management Review*, September, 6–11.
- Loorbach, D. (2007). Transition management: New mode of governance for sustainable development. International Books.
- Loorbach, D. (2010). Transition management for sustainable development: A prescriptive, complexity-based governance framework. *Governance*, 23(1), 161–183.
- Ministerie van Infrastructuur en Milieu. (2016). Vragen voor overmorgen: Strategische kennis- en innovatieagenda Infrastructuur en Milieu 2016-2020. Den Haag: Ministerie van Infrastructuur en Milieu.
- Nevens, F., Frantzeskaki, N., Gorissen, L., & Loorbach, D. (2013). Urban transition labs: co-creating transformative action for sustainable cities. *Journal of Cleaner Production*, 50, 111–122.
- Niitamo, V. P., Kulkki, S., & Eriksson, M. (2006). State-of-the-art and good practice in the field of living labs. Presented at the Technology Management Conference.
- Nyström, A. G., Leminen, S., Westerlund, M., & Kor-

- telainen, M. (2014). Actor roles and role patterns influencing innovation in living labs. *Industrial Marketing Management*, 43(3), 483–495.
- Pallot, M., Trousse, B., Senach, B., & Scapin, D. (2010). Living lab research landscape: From user centred design and user experience towards user cocreation. Presented at the First European Summer School Living Labs, Paris.
- Pinch, T. (2008). Technology and institutions: Living in a material world. *Theory and Society*, 37(5), 461–483.
- Rijkswaterstaat. (2014). *Innovatieagenda 2015-2020*. Den Haag: Ministerie van Infrastructuur en Milieu.
- Rijkswaterstaat. (2016). *Samenwerken aan een betere doorstroming op de A58: Werken aan een slimme en duurzame snelweg*. Rijkswaterstaat.
- Roorda, C., & Wittmayer, J. (2014). *Transition management in five European cities - an evaluation*. Rotterdam: DRIFT.
- Sanders, E. B.-N., & Stappers, P. J. (2008). Co-creation and the new landscapes of design. *CoDesign*, 4(1), 5–18.
- Sauer, S. (2013). *User innovativeness in living laboratories: Everyday user improvisations with ICTs as a source of innovation*. Enschede: University of Twente.
- Schuurman, D. (2015). *Bridging the gap between open and user innovation? Exploring the value of living labs as a means to structure user contribution and manage distributed innovation*. Ghent: Ghent University.
- Schuurman, D., & De Marez, L. (2012). Structuring user involvement in panel-based living labs. *Technology Innovation Management Review*, September, 31–38.
- SmartwayZ.NL. (2015). *Governance bereikbaarheid Zuid-Nederland: Samen slim robuust*. SmartwayZ.NL.
- Ståhlbröst, A. (2012). A set of key principles to assess the impact of living labs. *International Journal of Product Development*, 17(1–2), 60–75.
- Teisman, G. R., Van Buuren, A., & Gerrits, L. M. (Eds.). (2009). *Managing complex governance systems: Dynamics, self-organization and coevolution in public investments*. New York: Routledge.
- Teisman, G. R., Van der Voort, H., & Meijer, A. (2016). Overheden niet goed in innovatie? Empirische verkenningen van een “innovatiedilemma”. *Bestuurskunde*, 25(4), 51–60.
- Termeer, C. J. A. M., & Van den Brink, M. (2013). Organizational conditions for dealing with the unknown unknown. *Public Management Review*, 15(1), 43–62.
- Thiesen Winthereik, J. C., Malmborg, L., & Andersen, T. B. (2009). Living labs as a methodological approach to universal access in senior design. In C. Stephanidis (Ed.), *Universal access in human-computer interaction: Addressing diversity* (pp. 174–183). Berlin: Springer.
- Van Bueren, E. M., Karré, P. M., & Vanhommerig, I. (2015). Slotartikel: Het oplossend vermogen van living labs. *Bestuurskunde*, 24(1), 65–72.
- Van Wee, B. (2011). *Transport and ethics: Ethics and the evaluation of Transport Policies and Projects*. Cheltenham: Edward Elgar.
- Verweij, S. (2015). *Once the shovel hits the ground: Evaluating the management of complex implementation processes of public-private partnership infrastructure projects with qualitative comparative analysis*. Rotterdam: Erasmus University Rotterdam.
- Verweij, S. (2017). *Addressing the evaluation-implementation gap in infrastructure megaproject research with qualitative comparative analysis*. In M. Lehtonen, P. B. Joly, & L. Aparicio (Eds.), *Socioeconomic Evaluation of Megaprojects: Dealing with Uncertainties* (pp. 220–239). Abingdon: Routledge.
- Verweij, S., & Gerrits, L. M. (2012). Systematische kwalitatieve vergelijkende analyse. *Kwalon*, 17(3), 25–33.
- Westerlund, M., & Leminen, S. (2011). Managing the challenges of becoming an open innovation company: Experiences from living labs. *Technology Innovation Management Review*, 1(1), 19–25.