

RIKA PREISER (*she/her/hers*)
 Associate Professor
 Centre for Sustainability Transitions
 Stellenbosch University
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HIGHER EDUCATION

- 2012 **DOCTOR OF PHILOSOPHY**
 Department of Philosophy, Stellenbosch University, Stellenbosch, South Africa
 Title: *The Problem of Complexity: Re-thinking the Role of Critique*
<http://scholar.sun.ac.za/handle/10019.1/71629>
 Advisors: Prof Paul Cilliers, Prof Jan-Hendrik Hofmeyr, Prof Anton van Niekerk
- 2008 **MASTER OF PHILOSOPHY** (Organisational Change & Public Culture)
 Department of Sociology and Social Anthropology, Stellenbosch University, Stellenbosch, South Africa
 Advisor: Prof Steven Robins
- 2004 **MASTER OF PHILOSOPHY** (Media & Ethics)
 Department of Journalism, Stellenbosch University, Stellenbosch, South Africa
 Advisor: Prof Herman Wasserman
- 2000 **BACHELOR OF ARTS**
 (Majors in Continental Philosophy, Communication & Media Studies, Industrial Psychology), University of South Africa, Pretoria, Gauteng, South Africa and Stellenbosch University.

CURRENT POSITION

- 2022–ongoing **Associate Professor**, Centre for Centre for Sustainability Transitions (Formerly: Centre for Complex Systems in Transition), Stellenbosch University
- 2021–2023 **International Wall Fellow** at the [Peter Wall Institute of Advanced Studies](#), University of British Columbia, Canada

PREVIOUS POSITIONS

- 2017–2021 Senior Researcher, Centre for Centre for Sustainability Transitions (Formerly: Centre for Complex Systems in Transition), Stellenbosch University
- 2015–2016 Researcher, Centre for Centre for Sustainability Transitions (Formerly: Centre for Complex Systems in Transition), Stellenbosch University
- 2013–2014 Project Co-Coordinator & Lecturer, Division of Community Health, Faculty of Medicine and Health Sciences, Stellenbosch University
- 2007–2013 Research Assistant, Department of Philosophy and Centre for Complex Systems in Transition, Stellenbosch University
- 2001–2006 International Office Manager, Faculty of Health Sciences, Stellenbosch University
- 1991–2001 Communication and Sales Manager, Music Industry, South Africa

RESEARCH FOCUS & PRACTICAL SKILLS

My research can be described as doing engaged philosophy — an approach that broadens the traditional scope of philosophy, enabling it to be more inclusive and receptive to the diverse perspectives and values that are expressed in the complexities of human-nature interactions. This entails integrating philosophical inquiry with the theoretical and practical challenges and insights offered by other disciplines and societal challenges. By combining current thought in Complex Adaptive Systems science, Social-ecological research, Environmental Philosophy and Ethics with inter- and transdisciplinary research methods, my work explores the implications of philosophical theories and complexity-based approaches for understanding the challenges that emerge in the intersection of sustainable development, environmental science, social justice, and ethics.

Practical skills: research & writing, teaching & training, student supervision, workshop/conference organisation, process design, group facilitation & presentation, convening and curating online webinars, podcasts, and e-teaching

- Language proficiency:
 - English (fluent in speaking, reading & writing)
 - Afrikaans (fluent in speaking, reading & writing)
 - German (fluent in speaking, reading & writing)
 - Dutch (fluent in reading and understanding, conversational speaking, no writing)

TEACHING EXPERIENCE

Year	Degree level	Name of Degree	Name of Course	Institution	Average class size
2022-ongoing	MPhil	Sustainable Development	<i>Research Methods for Sustainability Transitions</i>	Centre for Sustainability Transitions, Stellenbosch University	23
2018-ongoing	Executive training of Dutch Civil Servant CEOs	Leadership and Complexity	<i>Introduction to Complex Social-ecological interactions</i>	Comenius Leergangen, The Netherlands	12
2012-ongoing	PGDip	Sustainable Development	<i>Complexity and Systems Thinking</i>	Centre for Sustainability Transitions, Stellenbosch University	50
2021-2022	Open access MOOC	Anticipatory Governance for Development	<i>Introduction to Complex Adaptive Systems for Anticipatory Governance</i>	UNESCO Openlearning sponsored by USAID Resilient Waters program	>900
2014-2019	MSc	Sustainable Agriculture	<i>Complexity Theory & Complex Systems</i>	Faculty of Agri-Sciences, Stellenbosch University	12
2016-2018	PhD Course work	PhD Systems Analysis	<i>Introduction to Systems Analysis</i>	Southern African Systems Analysis Centre (SASAC) & IIASA (Austria)	25
2008-2018	MPhil	Managing Complex Human-Ecological Systems	<i>Complex Social-ecological interactions</i>	Department of Environmental and Geographical Science, University of Cape Town	15
2015-2017	PGDip	Business Management & Administration	<i>Systems Methods</i>	University of Stellenbosch Business School	150
2012-2016	Summer & Winter Schools	Transdisciplinary research for Sustainability	<i>Complexity Theory & Complex Systems</i>	TsamaHub Graduate School	30
2006-2014	MBChB (I-IV)	Undergraduate Medical degree	<i>Medicine and Culture</i>	Stellenbosch University	350
2011	BA	Undergraduate Philosophy degree	<i>Deconstruction 344</i>	Stellenbosch University	35
2008-2009	BA	Undergraduate Philosophy degree	<i>Philosophy of Culture 252</i>	Stellenbosch University	400

RESEARCH GRANTS AWARDED

- Co-PI for “Disruptors and Enablers of Research for Development (R4D): Exploring Futures”. IDRC Grant awarded to UNESCO Chair in Complexity and Transformative African Futures at CST, Stellenbosch University. Project period November 2022 – December 2023. **CAD\$ 250,000**. (~3,5million ZAR).
- Co-PI for “Interacting across Difference”. Collaborative workshop and research project at Peter Wall Institute for Advanced Studies, University of British Columbia, Canada. Project period April – July 2022. **CAD\$ 5,000**. (~59,500 ZAR).
- Country Lead for Crisis Science Project (CRISP) commissioned by the German Federal Ministry of Education and Research (BMBF). Grant allocated by TU Dresden to Stellenbosch University (Centre for Studies in Complexity) as CRISP partner institution. Main PI: Prof Marc Timme, TU Dresden, Germany. Project period November 2021–January 2022. **€ 30,000** (~ 516,000 ZAR).
- Country Lead for IDRC and IDS Foresight for new collaborative platforms to support LMIC science systems grant. Main PI: Dr Anabel Marin, IDS, University of Sussex, UK. Grant allocated by IDS to Stellenbosch University (Centre for Studies in Complexity). Project period January 2021–June 2022. **£ 20,000** (~ 410,000 ZAR).
- Strategic Funding Grant from Vice-Rector: Research, Innovation and Postgraduate Studies, Stellenbosch University as PI for work on Complex Systems in Transition. Period Sept 2020- Aug 2022: **750,000 ZAR**.
- Co-Investigator with Prof R. Biggs and other CST researchers of the “USAID/Southern Africa’s Resilient Waters Program”. Grant allocated to Stellenbosch University (Centre for Complex Systems in Transition/CST). Project period 2018–2023. **US\$ 1.2m** (~13.5million ZAR) funded by USAID, October 2017–December 2023.
- Co-Investigator with Prof R. Biggs of the “Guidance for Resilience in the Anthropocene: Investments for development (GRAID)” project. Grant agreement #S004476 between Stockholm University (Stockholm Resilience Centre/SRC) and

Stellenbosch University (Centre for Complex Systems in Transition /CST). Project period: 1 November 2015–31 December 2019. Total grant of 107,000,000 SEK funded by the Swedish International Development Agency (SIDA), to be split between Stockholm Resilience Centre (75%) and Stellenbosch Hub (CSIR and CST, 25%). Approx **8,000,000 SEK** (13million ZAR) awarded to CST.

- Co-Investigator with Prof R. Biggs of the “Generating and disseminating scientific-, policy-, and regionally- relevant knowledge of social-ecological dynamics and transformations to enable stewardship toward sustainable development” project. Grant agreement #SU 481 6.1.1-0017-14 between the Resilience and Development Programme (SwedBio) at Stockholm Resilience Centre (SRC) and the Centre for Studies in Complexity at Stellenbosch University (SU). Project period: 1 October 2014–31 December 2015. **2,500,000 SEK** (approx. 4 million ZAR) funded by the Resilience and Development Program (ResDev, SwedBio), Sweden.
- Project Co-Coordinator with Prof L. Dudley of the EU Framework 7 “ARCADE Health Systems Services Research” project at the Division of Community Health, Faculty of Medicine and Health Sciences, Stellenbosch University from 2013–2014.

Grants total as PI: 1, 676 000 ZAR (US\$ 111 000)

Grants total as Co-PI: 30,550 million ZAR (US\$ 2 294 000)

AWARDS

2022-2027	UNESCO Chair in Complexity and Transformative African Futures
2019	Co-recipient of the Ecological Society of America's Innovation in Sustainability Science Award for best peer-reviewed paper published in the journal <i>Frontiers in Ecology and the Environment</i> during the past five years, exemplifying leading-edge work on solution pathways to sustainability challenges.
2018	National Research Foundation Rating (South Africa): Established researcher (Category C)
2018	MDPI Systems Journal Award for the Most Innovative Keynote Contribution to the International Society for the Systems Sciences (ISSS) conference 2018, Oregon, USA.
2018 (Feb)	Salzburg global seminar fellow , Session 593: <i>The Shock of the New: Arts, Technology, and Making Sense of the Future</i> . Culture, Arts and Society program (Austria)
2014 (May)	Institute for development studies , Sussex University & ESRC Scholarship (UK), STEPS Summer School on <i>Pathways to Sustainability & Social Justice</i>
	DAAD Scholarships (German Academic Exchange Service) (Germany)
2000 (SS)	University of Marburg, exchange student in German as Foreign Language
2003 (WS):	University of Leipzig, exchange student in Journalism and Media Studies
2004 (SS):	University of Mainz, <i>IPP Summer Academy in Media and Performance Studies</i>
2006 (SS):	University of Giessen, visiting post-graduate student at the Giessener Graduiertenzentrum Kulturwissenschaften (GGK)
2008	Udo keller foundation , <i>Forum Humanum</i> Fellowship (Germany) University of Tübingen, <i>Forum Scientiarum Summer School</i> on Complexity, Reductionism and Emergence.
2006–2008	National Research Foundation (NRF) Scholarship (South Africa) Postgraduate bursary for MPhil study related to the research project “AIDS activism and Social Capital in South Africa”, Department of Sociology and Social Anthropology, Stellenbosch University

LIST OF SCHOLARLY PUBLICATIONS

JOURNAL ARTICLES (links on [Google Scholar](#))

Number	Year	Publication	Impact factor (SJIR)
33	2023	Biggs, R., Reyers, B., Blanchard, R., Clements, H. S., Cockburn, J., Cumming, G. S., Cundill, G., De Vos, A., Dziba, L., Esler, K. J., Fabricius, C., Hamann, M., Henriksson, R., Kotschy, K., Lindborg, R., Luvuno, L., Masterson, V. A., Nel, J. L., O'Farrell, P. J., Palmer, C.G. Pereira, L., Pollard, S., Preisner, R. , Roux, D.J., Scholes, R.B., Selomane, O., Shackleton, C., Shackleton, S., Sitas, N., Slingsby, J., Spierenburg, M., Tengö, M. (2023). The Southern African Program on Ecosystem Change and Society: an emergent community of practice. <i>Ecosystems and People</i> , 19(1). https://doi.org/10.1080/26395916.2022.2150317	1.143 (2021)
32	2022	Klein, L., Buckle, P., Nguyen, N., Preisner, R. , & Ison, R. 2022. Growing a community of conversation and understanding: The 2023 agenda for the systems community. <i>Systems Research and Behavioral Science</i> , 39(6) pp. 1103–1107.	1.478 (2020)

31		De Jaegher, H., Preiser, R. 2022. Breaking new ground through participatory sense-making in place. Open Peer-commentary on Laura Candiottio's "Loving the Earth by Loving Place". <i>Constructivist Foundations</i> , 17(3), https://constructivist.info	3.06 (2020)
30		Biggs, R., Clements, H., Cumming, G., Cundill, G., de Vos, A., Hamann, M., Luvunua, L., Roux, D., Selomane, O., Blanchard, R., Cockburn, J., Dzibaj, L., Esler, K., Fabricius, C., Henriksson, R., Kotschy, K., Lindborg, R., Masterson, V., Nel, J., O'Farrell, P., Palmer, C., Pereira, L., Pollard, S., Preiser, R. , Scholes, R., Shackleton, C., Shackleton, S., Sitas, N., Slingsby, J., Spierenburg, M., Tengö, M., Reyers, B. 2022. Social-ecological change: insights from the Southern African Program on Ecosystem Change and Society. <i>Ecosystems and People</i> , 8:1, 447-468. https://doi.org/10.1080/26395916.2022.2097478	1.143 (2021)
29	2021	Klein, L., Buckle, P., Nguyen, N., Preiser, R. , & Ison, R. (2021). Rethinking agency—The 2022 agenda for the systems community. <i>Systems Research and Behavioral Science</i> , 38(6), 717–720. https://doi.org/10.1002/sres.2827720KLEINETAL .	1.478 (2020)
28		Preiser, R. , Biggs, R., Hamann, M., Sitas, N., Selomane, O., Waddell, J., Clements, H., Hichert, T. Co-exploring relational heuristics for sustainability transitions towards more resilient and just Anthropocene futures. <i>Systems Research and Behavioral Science</i> , 38(5), 625–634. https://doi.org/10.1002/sres.2815	1.478 (2020)
27		Sankaran, S, Preiser, R. 2021. Systemic change towards sustainable development: Innovative and integrative approaches. <i>Systems Research and Behavioral Science</i> , 38(5), 579– 582. https://doi-org.ez.sun.ac.za/10.1002/sres.2820	
26		Selberg, M., Quinlan, A., Preiser, R. , Malmberg, K., Peterson, G. (2021). Engaging with complexity in resilience practice. <i>Ecology & Society</i> . 26(3):8. https://doi.org/10.5751/ES-12311-260308	5.036 (2020)
25	2020	Fazey, I., Schöpke, N., Caniglia, G., ... Preiser, R. , et al. 2020. Transforming knowledge systems for life on Earth: Visions of future systems and how to get there. <i>Energy Research & Social Science</i> , 70:101724. https://doi.org/10.1016/j.erss.2020.101724	6.933 (2020)
24		Preiser, W., Preiser, R. 2020. Academic publishing in pandemic times. <i>South African Journal of Science</i> . 116(9/10), Art. #8803, 2 pages. https://doi.org/10.17159/sajs.2020/8803	1.284 (2020)
23		Lindow, M., Preiser, R. , Biggs, R. 2020. Exploring resilience capacities with food innovators: a narrative approach. <i>Global Sustainability</i> . 3(e28): 1–12. https://doi.org/10.1017/sus.2020.23	6.566 (2020)
22		Mancilla García, M., T. Hertz, M. Schlüter, R. Preiser , and M. Woermann. 2020. Adopting process-relational perspectives to tackle the challenges of social-ecological systems research. <i>Ecology and Society</i> . 25(1):29. https://doi.org/10.5751/ES-11425-250129 .	5.036 (2020)
21		Hamann, M., Biggs, R., Pereira, L., Preiser, R. , Hichert, T., Blanchard, R., Warrington Coetzee, H., King, N., Merrie, A., Nilsson, W., Odendaal, P., Poskitt, S., Sanchez Betancourt, D. & Ziervogel, G. 2020. Scenarios of Good Anthropocenes in southern Africa. <i>Futures</i> : 102526.	3.756 (2020)
20		Van der Merwe, S. E., Biggs, R. & Preiser, R. 2020. Sense-Making as an approach for Resilience Assessment in an Essential Service Organisation. <i>Environment and Decisions</i> . 40:84–106. https://doi.org/10.1007/s10669-019-09743-1	1.839 (2020)
19	2019	De Vos, A., R. Biggs, and R. Preiser . 2019. Methods for understanding social-ecological systems: a review of place-based studies. <i>Ecology and Society</i> 24(4):16. https://doi.org/10.5751/ES-11236-240416 .	5.036 (2020)
18		Preiser, R. 2019. Identifying general trends and patterns in complex systems research: an overview of theoretical and practical implications. <i>Systems Research and Behavioral Science</i> , 36:706–714. DOI: 10.1002/sres.2619 RESEARCH	1.478 (2020)
17		Van der Merwe, S.E., Biggs, R., Preiser, R. , Cunningham, C., Snowden, D.J., O'Brien, K., Jenal, M., Vosloo, M.M., Blignaut, S., Goh, Z. 2019. Making Sense of Complexity: Using SenseMaker as a Research Tool. <i>Systems</i> , 7(2), 25. https://doi.org/10.3390/systems7020025	n/a
16		Kruger, H.K., Verhoef, A., Preiser, R. 2019. The Epistemological Implications of Critical Complexity Thinking for Operational Research. <i>Systems</i> , 7(1): 5. https://doi.org/10.3390/systems7010005	n/a

15	2018	Van der Merwe, S., Biggs, R., & Preiser, R. 2018. Building social resilience in socio-technical systems through a participatory and formative resilience assessment approach. <i>Systemic Change Journal</i> 1 (1): 1–34.	n/a
14		Preiser, R. , R. Biggs, A. De Vos, and C. Folke. 2018. Social-ecological systems as complex adaptive systems: organizing principles for advancing research methods and approaches. <i>Ecology and Society</i> , 23(4): 46. https://doi.org/10.5751/ES-10558-230446	5.036 (2020)
13		Woermann, M, Human, O., Preiser, R. 2018. General complexity: A philosophical and critical perspective. <i>Emergence: Complexity and Organisation</i> . Online: https://doi.org/10.17357.c9734094d98458109d25b79d546318af .	0.304 (2020)
12		Van der Merwe, S.E., Biggs, R. & Preiser, R. 2018. A framework for conceptualizing and assessing the resilience of essential services. <i>Ecology and Society</i> . 23(2): 12. https://doi.org/10.5751/ES-09623-230212	5.036 (2020)
11		Pereira, L. M., T. Hichert, M. Hamann, R. Preiser , and R. Biggs. 2018. Using futures methods to create transformative spaces: visions of a good Anthropocene in southern Africa. <i>Ecology and Society</i> . 23(1): 19. https://doi.org/10.5751/ES-09907-230119	5.036 (2020)
10	2017	Preiser, R. , Pereira, L., Biggs, R. 2017. Navigating alternative framings of human-environment responses for addressing Anthropocene challenges: variations on the theme of 'Finding Nemo'. <i>Anthropocene Journal</i> , 20: 83–87. https://doi.org/10.1016/j.ancene.2017.10.003 .	n/a
9	2016	Bennett, E.M., M. Solan, R. Biggs, T. McPhearson, A.V. Norstrom, P. Olsson, L. Pereira, G.D. Peterson, C. Raudsepp-Hearne, F. Biermann, S.R. Carpenter, E. Ellis, T. Hichert, V. Galaz, M. Lahsen, M. Milkoreit, B. Martin-López, K. A. Nicholas, R. Preiser , G. Vince, J.M. Vervoort, J. Xu. 2016. Bright spots: Seeds of a good Anthropocene. <i>Frontiers in Ecology and the Environment</i> . 14(8), 441–448. http://doi.org/10.1002/fee.1309 .	6.127 (2020)
8		Preiser, R. 2016. A response to the dialogical hermeneutics of critical complexity thinking in Kunneman's re-framing of 'The political importance of voluntary work'. <i>Foundations of Science</i> , Special Issue: Meaningfulness, Volunteering, Citizenship, 21(2): 439–443. DOI 10.1007/s10699-014-9405-8.	1.148 (2020)
7	2014	Paul, S., Müller, H., Preiser, R. , Lima Neto, F.Bd., Marwala, T., De Wilde, P. 2014. Developing a Management Decision-Making model based upon Complexity Perspective with reference to the Bee Algorithm. <i>Emergence: Complexity & Organization</i> . 16(4): online. (https://journal.emergentpublications.com/article_tag/volume-16-issue-4/).	0.304 (2020)
6		Preiser, R. , Struthers, T., Mohamed, S., Cameron, N., Lawrence, E. 2014. External stakeholders and health promoting schools: complexity and practice in South Africa, <i>Health Education</i> . 114(4): 260–270. https://doi.org/10.1108/HE-07-2013-0031 .	1.254 (2020)
5	2013	Preiser, R. , Cilliers, P., Human, O. 2013. Deconstruction and Complexity: A critical economy. <i>South African Journal of Philosophy</i> . 32(3): 261–273. https://doi.org/10.1080/02580136.2013.837656 .	0.27 (2020)
4		Audouin, M., R. Preiser , S. Nienaber, L. Downsborough, J. Lanz, and S. Mavengahama. 2013. Exploring the implications of critical complexity for the study of social-ecological systems. <i>Ecology and Society</i> . 18(3): 12. http://dx.doi.org/10.5751/ES-05434-180312 .	5.036 (2020)
3	2012	Preiser, R. 2012. Book review of "On the (Im)Possibility of Business Ethics: Critical Complexity, Deconstruction, and Implications for Understanding the Ethics of Business." <i>African Journal of Business Ethics</i> . 6(2): 156–158.	n/a
2	2010	Preiser, R. 2010. Observing representational practices in art and anthropology—a transdisciplinary approach. <i>The Journal for Transdisciplinary Research in Southern Africa</i> . 6(1): 57–72.	n/a
1	2009	Allen, R. 2009. Art activism in South Africa and the ethics of representation in a time of AIDS. <i>Critical Arts Journal</i> . 23(3): 396–415. http://dx.doi.org/10.1080/02560040903251209 .	0.204 (2019)

Submitted (under review)

- Manyani, A., Biggs, R., Hill, L., **Preiser, R.** Exploring the structure and evolution of social-ecological systems (SES) research: a co-authorship and co-citation network analysis. *Ecology & Society* (submitted 2022).

BOOKS CO-AUTHORED & EDITED

- Biggs, R., de Vos, A., **Preiser, R.**, Maciejewski, K., Schlüter, M., Clements, H. (eds.) (2021). Routledge Handbook of Research Methods for Social-Ecological Systems. Routledge. <https://doi.org/10.4324/9781003021339>

2. Cilliers, P. 2016. *Critical Complexity. Collected Essays*. Preiser, R. (ed.). Berlin: De Gruyter (Ontos). ISBN: 978-1-5015-1079-3.
1. Cilliers, P., Preiser, R. (eds.). 2010. *Complexity, Difference and Identity. An Ethical Perspective. Series: Issues in Business Ethics, Vol. 26*. Dordrecht: Springer. ISBN: 978-90-481-9186-4.

BOOK CHAPTERS

16. Preiser, R. Exploring complexity in the Anthropocene: Implications for learning how to shape the world well. In Storrar, W. and Frederick Simmons, F. *Planetary Scale Life in Astrobiology, Religion & Society*. Cambridge University Press (submitted Feb 2021).
15. Schlüter, M., Biggs, R., Clements, H., de Vos, A., Maciejewski, K., Preiser, R., (2021). Chapter 33: Synthesis and Emerging Frontiers in Social-Ecological Systems Research Methods. In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.). *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
14. Preiser, R., Mancilla-García, M., Hill, L., Klein, L. (2021). Chapter 19: Qualitative Content Analysis. In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.) *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
13. Boulton, J., Preiser, R., (2021). Chapter 15: Action Research. In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.). *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
12. de Vos, A., Preiser, R., Masterson, V. (2021). Chapter 8: Participatory Data Collection. In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.). *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
11. Biggs, R., Clements, H., de Vos, A., Maciejewski, K., Preiser, R., Schlüter, M. (2021). Chapter 4: How to use this Handbook. In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.) *Handbook: A guide to navigating methods for studying social-ecological systems*. (in preparation, Routledge 2020).
10. Preiser, R., Schlüter, M., Biggs, R., Mancilla García, M., Haider, J., Hertz, T., Klein, L. (2021). Chapter 2: Philosophical Foundations and Practical Implications for CAS-based SES Research. In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.). *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
9. Biggs, R., Clements, H., de Vos, A., Folke, C., Manyani, A., Maciejewski, K., Martín-López, B., Preiser, R., Selomane, O., Schlüter, M. (2021). Chapter 1: What are Social-Ecological Systems and Social-Ecological Systems Research? In Biggs, R., de Vos, A., Preiser, R., Maciejewski, K., Schlüter, M., Clements, H. (eds.). *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
8. Biggs, R., Clements, H.S., Preiser, R., Schoon, M.L. "Principles for Building Resilience in Social-Ecological Systems". *Routledge Handbook of Research Methods for Social-Ecological Systems*. New York: Routledge, Taylor & Francis Group. <https://doi.org/10.4324/9781003021339>
7. Preiser, R., Woermann, M. 2019. "Complexity, philosophy and ethics." In Galaz, V. (ed.). *Handbook on Global Challenges, Governance, and Complexity*. Cheltenham (UK): Edward Elgar Press, pp. 38–62.
6. Bohle M., Preiser R. 2019. "Exploring Societal Intersections of Geoethical Thinking". In Bohle M. (eds) *Exploring Geoethics*. Cham: Palgrave Pivot, pp. 71–136.
5. Pereira, L., Bennett, E., Biggs, R., Peterson, G., McPhearson, T., Norström, A., Olsson, P., Preiser, R., Ciara Raudsepp-Hearne, C., Vervoort, J. 2018. "Seeds of the future in the present: exploring pathways for navigating towards 'Good' Anthropocenes". In Elmqvist, T., Bai, X., Frantzeskaki, N., Griffith, C., Maddox, D., McPhearson, T., Parnell, S., Romero-Lankao, P., Simon, D., Watkins, M (eds). *The Urban Planet: Knowledge Towards Sustainable Cities*. Cambridge: Cambridge University Press. pp.327–350. <https://doi.org/10.1017/9781316647554>.
4. Preiser, R., Woermann, M. 2016. "Introduction". In Cilliers, P. *Critical Complexity. Collected Essays*. Preiser, R. (ed.). Berlin: De Gruyter (Ontos), pp.1–20.
3. Preiser, R., Cilliers, P., Human, O. 2016. "Deconstruction and complexity: A critical economy". In Cilliers, P. *Critical Complexity. Collected Essays*. Preiser, R. (ed.). Berlin: De Gruyter (Ontos), pp. 225–245.
2. Preiser, R. & Cilliers, P. 2010. "Unpacking the Ethics of Complexity: Concluding Reflections". In Cilliers, P., Preiser, R. (eds.). *Complexity, Difference and Identity. An Ethical Perspective. Series: Issues in Business Ethics, Vol. 26*. Dordrecht: Springer, pp. 265–287.
1. Cilliers, P., Preiser, R. 2010. Preface: Why Difference. In Cilliers, P., Preiser, R. (eds.). *Complexity, Difference and Identity. An Ethical Perspective. Series: Issues in Business Ethics, Vol. 26*. Dordrecht: Springer, pp. v–iv.

POLICY BRIEFS, TECHNICAL REPORTS & POPULAR SCIENCE PUBLICATIONS

25. **Preiser, R.**, Hichert, T. 2022. Workshop report for IDRC funded project Foresight for new collaborative platforms to support LMIC science systems. "Applying Back-casting & Road-mapping: Foresight methods for developing strategies towards transformative STI funding collaborations in Africa". Hosted on 15 February 2022, online.
24. **Preiser, R.**, Hichert, T. 2022. Preiser, R., Hichert, T. 2022. Workshop report for IDRC funded project Foresight for new collaborative platforms to support LMIC science systems. "Interrogating the futures and prioritising actions towards transformative STI funding collaborations in South Africa". Hosted on 28 June 2022, online.
23. **Preiser, R.** 2021. "Best practices of decisions guiding processes with uncertain and incomplete data". Technical report for project "Krisenkomplex", TU Dresden and BMBF Germany.
22. Biggs, R., Pringle, C., Sitas, N., Clements, H., Dube, B., Malherbe, W., Manyani, A., **Preiser, R.**, Selomane, O. and Waddell, J. 2021. Resilience: Fostering capacity to navigate shocks, change and uncertainty. http://www0.sun.ac.za/cst/wp-content/uploads/2021/11/CST-Resilience_digital-1.pdf
21. **Preiser, R.**, Swilling, M., Nnoli-Edozien, N., Ramphela, M. 2020. Towards New Narratives of Hope for Fostering Transformative African Futures. Club of Rome Publication. https://www.clubofrome.org/wp-content/uploads/2021/01/COR-ENCI_NewNarratives_Dec2020_A4-v1-1.pdf
20. Downing, A.S., Spijkers, J., Norström, A. & **Preiser, R.** 2020. Resilience and Sustainable Peace. Managing climate related security & development risks in the Anthropocene. GRAID Policy Brief. http://www0.sun.ac.za/cst/wp-content/uploads/2020/02/Resilience-and-Sustainable-Peace_GRP_GRAID_Background-Paper-2020.pdf
19. Hichert, T., Biggs, R., **Preiser, R.** 2019. Generating visions of Good Anthropocenes. The Manoa Mash-up Scenarios Methodology. CST Toolkit. University of Stellenbosch. <http://www0.sun.ac.za/cst/publication/generating-visions-of-good-anthropocenes-the-manoa-mash-up-scenarios-methodology/>
18. Van der Merwe, L., Biggs, R., and **Preiser, R.** 2019. Framework for Resilient Essential Services. Centre for Complex Systems in Transition, CST Toolkit. University of Stellenbosch. <http://www0.sun.ac.za/cst/publication/cst-policy-brief-framework-for-resilient-essential-services/>
17. Van der Merwe, L., Biggs, R., and **Preiser, R.** 2019. A formative resilient assessment approach. Centre for Complex Systems in Transition, CST Toolkit. University of Stellenbosch. <http://www0.sun.ac.za/cst/publication/cst-toolkit-a-formative-resilience-assessment-approach/>
16. **Preiser, R.** 2018. Complexity. In *Research at Stellenbosch University 100*. Stellenbosch: Division for Research Development, pp. 17–18. <http://console.virtualpaper.com/stellenbosch-university/research-1918-2018/>
15. **Preiser, R.** 2018. *Key features of complex adaptive systems and practical implications for guiding action*. CST Policy Brief. University of Stellenbosch. <http://www0.sun.ac.za/cst/publication/key-features-of-complex-adaptive-systems-and-practical-implications-for-guiding-action/>
14. **Preiser, R.**, Biggs, R., Pereira, L., Drimie, S., Maciejewski, K. 2018. Annual Project report for grant agreement S004476 between "Guidance for Resilience in the Anthropocene: Investments for Development" (GRAID) at Stockholm Resilience Centre (SRC) and the Centre for Studies in Complexity at Stellenbosch University (SU). Project period: 1 January–31 December 2017
13. Lindow, M., Biggs, R., **Preiser, R.**, Pereira, L. 2018. *Exploring resilience through the stories of food innovators in the Western Cape*. CST–GRAID Publication, Stellenbosch.
12. **Preiser, R.** 2017. Stellenbosch University. In Sturle H Simonsen (ed.). *Stockholm Resilience Centre Decennial Report*. Stockholm: Stokirk-Landströms AB, pp. 24–25. https://issuu.com/perlarsson/docs/suni_149_src_10_year-interaktiv-enk
11. **Preiser, R.** 2017. *Towards a relational & process ontology for understanding complex adaptive system dynamics*. Report on Workshop hosted from 10–12 October 2017, CST, Stellenbosch, South Africa.
11. Pereira, L., Coetzee, D., Hamann, M., Biggs, R., **Preiser, R.**, Hichert, T. "Incubating ideas on how southern Africa can manage the Anthropocene." Article for *The Conversation*, January 5, 2017. Online: <https://theconversation.com/incubating-ideas-on-how-southern-africa-can-manage-the-anthropocene-69916>.
10. Hamann M., Biggs R., Pereira L., **Preiser R.**, Hichert T., Merrie A., Cloete D., Poskitt S., Loubser G., Salley R., Blanchard R., Coetzee H., Fioramonti L., Gomera M., Hermanus L., Johnson G., Johnson L., Karakashian A., Khan Z., King N., Mannetti L., Mbete. 2017. "Report on the Anthropocene Visioning Workshop", 15–18 November 2016, Cape Town, South Africa. GRAID project workshop. <http://www0.sun.ac.za/cst/wp-content/uploads/2017/03/Anthropocene-Visioning-Workshop-Report.pdf>
9. **Preiser, R.**, Biggs, R., Pereira, L., Drimie, S., Metelerkamp, L., Hamann, M., Maciejewski, K., Cloete, D. 2017. Annual Project report for grant agreement S004476 between "Guidance for Resilience in the Anthropocene: Investments for Development" (GRAID) at Stockholm Resilience Centre (SRC) and the Centre for Studies in Complexity at Stellenbosch University (SU). Project period: 1 January–31 December 2016. <http://www0.sun.ac.za/cst/wp-content/uploads/2017/03/CST-GRAID-2016-Report-FINAL-1.pdf>
8. **Preiser R.**, Hamann M., Biggs R., Pereira L., Hichert T. Research at Stellenbosch 2016. on Creating positive visions of the Anthropocene in Southern Africa. Online: http://www.myvirtualpaper.com/doc/stellenbosch-University/research_at_stellenbosch_2016/2017052901/-92

7. **Preiser, R.** Biggs, R. "Generating and disseminating scientific-, policy-, and regionally- relevant knowledge of social-ecological dynamics and transformations to enable stewardship toward sustainable development". 2016. Final project report for grant agreement SU 481 6.1.1-0017-14 between the Resilience and Development Programme (SwedBio) at Stockholm Resilience Centre (SRC) and the Centre for Studies in Complexity at Stellenbosch University (SU). Project period: 1 October 2014–31 December 2015. http://www0.sun.ac.za/cst/wp-content/uploads/2017/03/SwedBio-Grant_Final-Report.pdf
6. **Preiser, R.**, Hichert, T., Biggs, R. "Workshop report: PECS Science-Policy Dialogue on Opportunities for creating a Good Anthropocene in Southern Africa", 8 December 2015.
5. **Preiser, R.**, Biggs, R. "PECS Science-Policy Dialogue explores different pathways towards creating good Anthropocene futures in southern Africa". SAPECS News, 1 December 2015. Online: <http://www.sapecs.org/2015/12/pecs-science-policy-dialogue-explores-different-pathways-towards-creating-good-anthropocene-futures-in-southern-africa/>
4. Biggs, R., **Preiser, R.** "Seeds of Good Anthropocenes – A southern African Perspective". Research at Stellenbosch 2014. Online: http://console.virtualpaper.com/stellenbosch_University/research_2014/2015-07-07/
3. **Preiser, R.** "Report on the Anticipation Colloquium". *Association of Professional Futurists Compass*, July 2014, 9–11.
2. **Preiser, R.** Project Anticipation Online: http://www.projectanticipation.org/index.php?option=com_content&view=article&id=41:colloquium-explores-the-role-of-anticipation-as-an-alternative-way-to-engage-with-the-future-and-complex-problems&catid=25&Itemid=537
1. **Preiser, R.** "Wat is kompleksiteit?" Feature article for *LitNet Essays*, 3 April 2012. Online: <http://www.litnet.co.za/Article/wat-is-kompleksiteit>

KEYNOTE PRESENTATIONS AND WORKSHOP FACILITATION (45 events)

- Invited Keynote presentation: *Moving through uncertainty: heuristics for decision-making*. 2023 SESC-IFSR Systems Thinking Symposium Beijing and Online, 22 February 2023
- Invited Keynote presentation: *Imagining Africa's Futures*, UNESCO World Futures Day, Paris, France. 2 December 2022.
- Invited Presentation: *Exploring Complexity*, Georgetown Environmental Justice Program, Georgetown University, Washington, USA. Online Seminar, 24 November 2021.
- Invited Keynote Presenter: *What is complexity thinking? Explorations on embracing a mode of being underway in the world*. Keynote Presentation at "Modes of Thinking (in) Complexity", Satellite meeting of the International Conference on Complex Systems (CSS). Online Meeting, 22 October 2021.
- Invited Keynote Presentation: *Complexity and relational ethics*, ISCIA Complexity Seminar, Nelson Mandela University, South Africa, Online meeting, 4 June 2021.
- Invited Keynote Presentation: *Complexity and Postmodernism*. Complexity and the Social World: building on the legacy of Allen, Byrne, Stacey and Cilliers. Organised by the IOP Nonlinear and Complex Physics Group, UK. Online Meeting, 3 March 2021.
- Co-organiser: "UNESCO Chair in Transformative African Futures, Centre for Complex Systems in Transition, Stellenbosch University". UNESCO Futures Literacy Summit, Virtual information and interactive booth at 8-12 December 2020.
- Invited Keynote Presenter: "Towards new narratives of hope for transformative African futures". Club of Rome Webinar, Zoom (online), 23 September 2020.
- Invited Keynote Presenter: "Integrated systemic approaches towards more sustainable futures". International Society for Systems Sciences Annual General Meeting Keynote, Zoom (online), 21 August, 2020.
- Co-organiser: "Exploring new research insights for funding, commissioning and social change in complexity". GRAID & USAID/Resilient Waters Dialogue Workshop. Stellenbosch, South Africa, 23–24 January, 2020.
- Invited Keynote Presenter: "Conceptual and practical implications for understanding and navigating complex social-ecological systems". Conference for Complex Systems 2019, Nanyang Technical University, Singapore, September 30, 2019.
- Invited Keynote Presenter: "Art-Science collaborations for re-imagining more sustainable social-ecological futures". ArtScience Museum, Singapore, September 29, 2019. <https://youtu.be/qAVVFk4xok>
- Co-organiser & Keynote: *Becoming Anticipatory: Exploring systemic change practices and anticipation for a complex world* Workshop. London, UK, 5 September, 2019.
- Invited Keynote Presenter: "Variations on the theme of 'Finding Nemo'. Conceptual and practical implications for navigating uncharted territory in the Anthropocene". Systems Innovation meeting, London, UK, 6–7 September, 2019.
- Invited panellist and workshop facilitator: "Systems Thinking". Systems Innovation meeting, Barcelona, Spain, 30–31 March, 2019.
- Organiser: Encounters with Complexity An inter-disciplinary dialogue on how the features of complexity inform new frameworks for research and practice. CST Colloquium, Stellenbosch, South Africa, May 10th 2019.
- Invited workshop co-facilitator: "Lepak Participatory Three Horizons Workshop for envisioning Continuity, Tension and Change", with Tanja Hichert, 8th World Summit on Arts & Culture, International Federation of Arts Councils and Culture Agencies, Kuala Lumpur, Malaysia, 14-11 March 2019.
- Co-organizer and Keynote Presenter: "Key Features of Complex Adaptive Systems". CST-GRAID & USAID Resilience Action Dialogue, Stellenbosch, South Africa, 14–16 November 2018.

- *Organizer and Keynote Presenter: "Introduction to Complexity and Features of Complex Adaptive Systems". CST-Comenius executive training workshop on Complexity & Leadership, Stellenbosch, South Africa, 5–9 November 2018.*
- *Invited Keynote Presenter: "Defining six key organizing principles for a typology of general complex adaptive system features and dynamics". International Society for Systems Sciences, Corvallis (Oregon), USA, 26 July, 2018.*
- *Co-organizer and Keynote Presenter: "Navigating The Complexity of Human-Environment Relations: Or Learning How To Shape The World Well". Princeton Centre for Theological Inquiry Symposium on Planetary-scale Thinking in Astrobiology, Ethics, & Sustainability Studies, Stellenbosch Institute for Advanced Study, South Africa, 29–30 May, 2018.*
- *Invited Presenter: "Embracing Complex adaptive systems thinking: building competency for foresight strategies. CST Futures methods training workshop for the South African Institute of International Affairs (SAIIA), Johannesburg, South Africa, 12 April 2018*
- *Invited Panel Facilitator: "Connecting Creative Foresight and Policymaking". Salzburg Global Seminar 593: The Shock of the New: Arts, Technology, and Making Sense of the Future, Salzburg, Austria, February, 20–25, 2018.*
- *Invited Keynote Presentation: "Complexity, Systems Thinking & Anticipation". DRIFT/IHS refresher course for African Sustainability Scientists, Sustainability Institute, Stellenbosch, South Africa, 14 November 2017.*
- *Organizer and Keynote Presenter: Towards a relational & process ontology for understanding complex adaptive system dynamics Workshop, Stellenbosch, South Africa, October 10–12, 2017*
- *Co-organizer and Keynote Presenter: "Complexity, Systems Thinking & Anticipation". Futures Workshop hosted by the Centre for Complex Systems in Transition (CST), Stellenbosch University, October 16, 2017.*
- *Invited Keynote Presenter: "Why complexity matters". Pan-African Congress of Integrative Medicine Conference, Stellenbosch, South Africa, May 6, 2017.*
- *Invited Presentation: "Towards a paradigm of complexity". Adaptive systems & resilience thinking research stream lunch meeting, Stockholm Resilience Centre, Stockholm University, Sweden, October 27, 2016.*
- *Invited Presentation: "A complexity perspective to the study of SES: Towards a mechanism-based understanding of SES as CAS workshop", Social-ecological systems as Complex Adaptive Systems - Implications for analysis and governance workshop, Stockholm Resilience Centre, Stockholm University, Sweden, September 9, 2016.*
- *Co-organizer and Keynote Presenter: "Complexity thinking: a new paradigm". Resilience thinking and practice for development: Supporting sustainability transformations in southern Africa scoping dialogue, Stellenbosch, August 4–5, 2016*
- *Co-organiser and Keynote Presentation: "Like finding Nemo: can there be a 'good' in the Anthropocene?" Co-presented with Laura Pereira at the Anthropocene Dialogues Seminar Series, Centre for Complex Systems in Transition (CST), Stellenbosch, February 22, 2016.*
- *Invited Presentation: "Learning to live together in a changing world: a philosophical reflection on postmodernism and beyond". Invited keynote at the Bank Windhoek Socratic Forum in celebration of UNESCO World Philosophy Day 2015, Windhoek, Namibia, November 16, 2015.*
- *Invited Presentation: "Complexity thinking – some practical and normative implications for the study of social-ecological systems". Academic Lunch Hour Colloquium at the Institute for Poverty, Land and Agrarian Studies (PLAAS), University of the Western Cape, South Africa, March 24, 2015.*
- *Invited Presentation: "Introduction to Complexity Thinking". South African Sustainability Immersion Programme, Sustainability Institute, University of Stellenbosch, South Africa, February 2, 2015.*
- *Organiser and Keynote Presenter: "Complexity thinking and negotiating ethical decision making for the future". Invited speaker at the Anticipation: Complexity and the Future Colloquium, Stellenbosch, South Africa, March 18th, 2014.*
- *Invited Panellist: "Theology & Science" session. Theology on the Edge: Honouring John de Gruchy on his 75th birthday conference, Stellenbosch, South Africa, September 3–5, 2014.*
- *Invited Presentation: "Introduction to complex systems and complexity theory". Macroeconomic Sector Analyses and Systems Dynamics Executive Training Course, School for Public Leadership, University of Stellenbosch, South Africa, November 12, 2014.*
- *Invited Presentation: "Complexity thinking – some practical and normative implications for the study of social-ecological systems". Stockholm Resilience Centre, Stockholm University, Sweden, September 25, 2014.*
- *Invited Keynote Presentation: "Introduction to Complexity". SAPECS Winter School, Sustainability Research Unit, Nelson Mandela Metropolitan University, South Africa, June 30–July 4, 2014.*
- *Invited Keynote Presenter: "Critical imperatives for engaging with complex socio-ecological systems". 11th Savannah Science Network Meeting, Kruger National Park, South Africa, March 3, 2013.*
- *Invited Presentation: "The Potential of Complexity Thinking in Approaching Wicked Problems in Business Management Practice – Focusing on the Relevance for Teaching and Research". University of Stellenbosch Business School Academic Lunch Hour Colloquium, University of Stellenbosch, Bellville, South Africa, August 22, 2013.*
- *Invited Presentation: "Critical Complexity: Responding to the normative and critical implications that shape our engagement with complex systems". Unilever Centre for Environmental Water Quality, at the Institute for Water Research seminar, Rhodes University, Grahamstown, South Africa Rhodes, April 25, 2013.*
- *Respondent: to the paper "The ethics of development-initiated group resettlement (DIGR), complex systems and an approach from 'diagnostics'", delivered by Prof Chris de Wet, Anthropology Colloquium, Rhodes University, Grahamstown, South Africa Rhodes, April 25, 2013.*
- *Invited Presentation: "Critical Complexity Thinking: Towards a Critical and Normative Interpretation of Complexity". Philosophy Seminar Series, Rhodes University, Grahamstown, South Africa Rhodes, April 24, 2013.*
- *Organiser and Keynote Presenter: "Critical Complexity: The difference that makes a difference". Complexity Forum 2012 Conference, Stellenbosch, South Africa, October 22–24, 2012.*

- *Organiser and Presenter: "Critical Complexity: re-thinking the role of critique". Paul Cilliers the human and intellectual legacy memorial seminar, Stellenbosch, South Africa, December 8, 2011.*
- *Invited Presentation with Paul Cilliers: "An Ethics of Complexity". IPSU Winter School, Stellenbosch University, South Africa, June 29, 2011.*
- *Invited Presentation: "The Media and Public Perceptions". Influenza – Unity in Complexity seminar hosted by the Centre for Infectious Diseases, Stellenbosch University and the LHPG Western Cape Branch of the SA Veterinary Association, June 24, 2009.*
- *Invited Presentation: "Complexity and Culture". Workshop on Sustainability and Urban Farming Practices, Sustainability Institute, Stellenbosch University, South Africa, March 2008.*

CONFERENCE PRESENTATIONS

INTERNATIONAL (23 presentations)

- "Decision-making under Uncertainty", conference presentation at the 6th *International Conference for Systems and Complexity Sciences for Health*, Phoenix, Arizona, 16-17 November 2022.
- "Handling GeoEndowments Geoethically" poster presentation with Martin Bohle and Eduardo Marone in the special stream on Geoethics: ethical, social and cultural implications of geoscience knowledge, education, communication, research and practice at the *European Geosciences Union General Assembly*, Vienna, Austria, 7-12 April 2019.
- "Normative and practical implications for governing complex social-ecological systems", oral presentation in the special stream on Geoethics: ethical, social and cultural implications of geoscience knowledge, education, communication, research and practice at the *European Geosciences Union General Assembly*, Vienna, Austria, 7-12 April 2019.
- "Applying a systems thinking paradigm to engaging with social-ecological problems: some practical and ethical implications", Session presentation at the *Leverage Points 2019 International Conference on Sustainability research and Transformations*, Leuphana University, Lüneburg, Germany 6-8 February, 2019.
- "Exploring Practical and Ethical Implications of Applying Systems Thinking to Real-world Problems". Joint presentation with Woermann, M. *International Society for Systems Sciences*, Corvallis (Oregon), USA, 23-27 July, 2018.
- "Art and imagination in transformational processes". Session chair and co-presenter at *Seedbeds of Transformation: The Role of Science with Society and the SDGs in Africa*, Port Elizabeth, South Africa, May 9-11, 2018.
- "Exploring futures methods for creating transformative spaces: visions of a good Anthropocene in southern Africa". Session chair and co-presenter at *Seedbeds of Transformation: The Role of Science with Society and the SDGs in Africa*, Port Elizabeth, South Africa, May 9-11, 2018.
- "ARthropocene: Re-imagining Anthropocene Futures through Art-Science Collaboration". Joint presentation with Hamann, M., Biggs, R. *Resilience 2017 Conference*, Stockholm, Sweden, September 20-22, 2017.
- "A complexity-based paradigm for studying social-ecological systems". Joint presentation with de Vos, A. & Biggs, R., Folke, C. delivered at the *Resilience 2017 Conference*, Stockholm, Sweden, September 20-22, 2017.
- Pereira, L., Hichert, T., Hamann, M., Preiser, R. and Biggs, R. (2017). Re-imagining the future: A method with which to generate visions of a Good Anthropocene in southern Africa, *Resilience 2017 Conference*, Stockholm, Sweden, September 20-22, 2017.
- "Using Photo Elicitation and Photovoice In Development Settings For Knowledge Co-Creation Towards Transformation Practices". Session chair and presenter at the *Resilience for Development Colloquium*, Johannesburg, South Africa, May 8-10, 2017.
- "Complexity- and Resilience Thinking Approaches for Creating Transformative Development Practices". Session chair and presenter at the *Resilience for Development Colloquium*, Johannesburg, South Africa, May 8-10, 2017.
- "Ways of becoming: exploring how a relational theory of change could inform transitions research". Paper delivered at the *International Sustainability Transitions conference*, Wuppertal, Germany, September 7-9, 2016.
- Finding Nemo: can there be a 'good' in the Anthropocene? Joint presentation with Pereira, L.M. Stoking the Anthropocene session, *4S/EASST conference*, Durban, South Africa, 31st August-2nd September 2016.
- "Seeds of Good Anthropocenes". Joint presentation with Biggs, R., Pereira, L., Hichert, T. at the *15th International Winelands Conference*, Stellenbosch, South Africa, March 30-31, 2016.
- "Complexity and social-ecological systems: A conceptual exploration". Joint presentation with de Vos, A. & Biggs, R. delivered at the *PECS 2015 Conference*, Stellenbosch, South Africa, November 3-5, 2015.
- "Seeds of Good Anthropocenes: A Southern African Perspective". Joint presentation with Pereira, L., Biggs, R., Hichert, T. delivered at the *PECS 2015 Conference*, Stellenbosch, South Africa, November 3-5, 2015.
- "Seeds of Good Anthropocenes: A Southern African Perspective". Joint presentation with Pereira, L., Biggs, R., Hichert, T. delivered at the *Transformations 2015 Conference*, Stockholm, Sweden, October 4-6, 2015.
- "Seeds of Good Anthropocenes". Joint presentation with Pereira, L., Biggs, R., Hichert, T. delivered at the *World Social Science Forum*, Durban, South Africa, September 13-16, 2015.
- "Critical Complexity Thinking: Normative and ethical implications for understanding and engaging with complexity". Paper presented at the *Modes of Explanation Discussion Conference*, Paris, France, May 22-24, 2013.
- "Deconstruction, Complexity and the possibility of Critique". Paper delivered at the *Derrida Today Conference*, London, UK, July 19-21, 2010.

- "Art Activism in a time of AIDS". Paper delivered at the international *Conference on Communication, Medicine and Ethics (COMET)*, Cape Town, South Africa, July 2–4, 2008.
- "Syphilis and HIV in South Africa". Joint paper with Preiser, W. & Van Zyl, G. Presented by W. Preiser at the *German–Austrian AIDS Congress*, Frankfurt, July 2007.

NATIONAL (5 presentations)

- "Ways of Becoming in the Anthropocene". Paper delivered at the *Deleuze & Guattari & AFRICA Conference*, Cape Town, South Africa, July 15–16, 2015.
- "Exploring the implications of critical complexity for the study of social-ecological systems". Joint presentation with M. Audouin, & S. Nienaber at the *Southern African Program on Ecosystem Change and Society (SAPECS) colloquium*, Kirstenbosch, South Africa, April 15–16, 2013.
- "The problem of philosophy and the place of complexity". Paper delivered at the *Philosophical Society of Southern Africa Conference*, Cape Town, South Africa, January 16–18, 2012.
- "Exploring the logic of complexity for researching social-ecological systems". Joint paper with Audouin, M., Nienaber, S., Downsborough, L., Lanz, J., Mavengahama, S. Presented by S. Nienaber at the *2nd Conference of the Southern African Young Water Professionals*, CSIR ICC, Pretoria, South Africa, 3–5 July 2011.
- "Of Ruptures and Ruins: Rediscovering the role of Critique". Paper delivered at the *Philosophical Society of Southern Africa Conference*, Hogsback, South Africa, January 19–21, 2009.

STUDENT SUPERVISION**MASTERS DEGREES****In Progress**

- 2023–
- K. Boswell (main supervisor). Exploring a urban cartography of embodied practices for traversing uncertain times. MPhil Sustainable Development, Centre for Sustainable Transitions, Stellenbosch University.
 - C. Leatherby (main supervisor). Exploring ways of being in action with the world. MPhil Sustainable Development, Centre for Sustainable Transitions, Stellenbosch University.
 - D. Meyer (main supervisor). Exploring the potential impact of applying a complexity lens to the development of waste water treatment infrastructure projects definition to inform decision-making within a South African context. MPhil Sustainable Development, Centre for Sustainable Transitions, Stellenbosch University.
 - R. Saner (main supervisor). Embodied practices supporting the participatory sense-making of complex adaptive systems. MPhil Sustainable Development, Centre for Sustainable Transitions, Stellenbosch University.
- 2022–
- C. Paynter (co-supervisor). The Transformative Ethic of the Feminine Principle in the Anthropocene. MPhil Sustainable Development, Centre for Sustainable Transitions, Stellenbosch University.

Completed

(13 students)

- 2022
- M. Carstens (main supervisor). *Exploring Relationality in African Knowledge Systems: A decolonised approach to understanding social-ecological systems*. MPhil Sustainable Development, Centre for Sustainable Transitions, Stellenbosch University.
- 2021
- R. Mangundu (main supervisor). *Exploring simulation and role-playing games as complexity and systems thinking based pedagogies for integrating sustainability in the teaching curriculums of the local universities of Namibia: Towards reimagining education for sustainable development*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University.
- 2020
- N. Mngqibisa (co-supervisor). *Improved Municipal Planning in African Cities (IMPACT) for a climate resilient urban future*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University.
- 2020
- M. Smith (main supervisor). *Exploring resilience thinking design processes of South African impact funds*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University.
- 2020
- E. Mancebo (main supervisor). *Assessing new urbanism in the Municipal Urban Regeneration Programme (MURP), Bonteheuwel, Cape Town. A systems perspective*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University. *Cum Laude*
- 2018
- S. Jardine (co-supervisor). *Exploring connections between music and social-ecological system resilience*. MPhil Sustainable Development, School for Public Leadership, Stellenbosch University. *Cum Laude*
- 2018
- E. Rickens (co-supervisor). *An analysis of the strategies, rhetoric and ethical implications of climate change denialism*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University
- 2018
- T. Fouche (main supervisor). *Exploring implications for Neuroethical frameworks informed by Complexity*. Department of Philosophy, Stellenbosch University. *Cum Laude*
- 2017
- M. Lindow (co-supervisor). *Exploring Storytelling and Resilience-building in Complex Social-Ecological Systems*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University. *Cum Laude*

- 2017 P. Odendaal (main supervisor). *The place where poetries meet: Exploring the contribution of the InZync poetry sessions to socio-cultural transformation in Stellenbosch*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University. *Cum Laude*
- 2016 D. Gutschi (co-supervisor). *Social Entrepreneurship and its Values: A Complexity Perspective*. Karl-Franzens University Graz, Austria. *Cum Laude*
- 2014 C. Robertson (main supervisor). *Championing Explicit Ethics in Sustainability Transitions: Towards a Sustainable Food System in Stellenbosch*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University.
- 2012 W. van den Berg (main supervisor). *The meanings of sustainable community wellness in Grabouw*. MPhil Sustainable Development, School of Public Leadership, Stellenbosch University. *Cum Laude*

PHD DEGREES

In progress

- 2019– A. Manyani (co-supervisor with Prof Reinette Biggs & Dr Lloyd Hill). Historical and conceptual development of Social-Ecological Systems (SES) research. Centre for Sustainable Transitions, Stellenbosch University.
- 2016– G. Ashton (co-supervisor with Prof Scott Drimie). *Examining South African agricultural development policy through the lens of complexity theory to enquire how agriculture can meet challenges of sustainability, resilience, job creation and food security*. School of Public Leadership, Stellenbosch University.

Completed

- 2019 L. van der Merwe (co-supervisor with Prof Reinette Biggs). *Resilience of Electricity Supply in South Africa*. School of Public Leadership, Stellenbosch University.
- 2017 D. Cloete (main supervisor). *Towards re-imagining the roles of change agents from a critical complexity perspective: An exploratory action research approach*. DPhil in Business Management Administration, Stellenbosch University.
- 2016 C. Marais (main supervisor). *Transformative collaborative governance relations towards sustainability: The case of the Stellenbosch River Collaborative*. DPhil in Business Management Administration, Stellenbosch University.

ACADEMIC & OTHER ACTIVITIES

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

- Full member of the Club of Rome (2020–2025)
- Executive Committee member of the International Federation for Systems Research (2020–)
- Vice-President: Conferences for the *International Society of Systems Sciences* (ISSS) (2019–2020)
- Member of the *International Society of Systems Sciences* (2018–)
- Fellow of the *European School of Governance* (EUSG), Berlin, Germany (2018–)
- Member of the *Philosophical Association of Southern Africa* (since 2009).
- Member of the *Health Research Ethics Committee (HREC)*, Faculty of Medicine & Health Sciences, Stellenbosch University, 2009–2011. Reviewer of Human Health Research Ethics applications.

EDITORIAL & REVIEWING

- Member of the Editorial board: *Journal of Geoethics and Social Geosciences* (2021- ongoing)
- Series editor for Series Editor for "SpringerBriefs" in *Geoethics* <https://www.springer.com/series/16482> (2020-ongoing)
- Member of the Netherland Organisation for Scientific Research (NWO) assessment committee for grant proposals on the project "Complexity and Creative Industry: Grip on Transitions and Resilience" (2018-2019).
- Journal Subject editor: Philosophy for *Emergence: Complexity & Organisation*; *Systemic Change Journal*
- Regular peer-reviewer for scholarly journals and grant agencies: *Communication, Culture and Critique*; *The Journal for Transdisciplinary Research in Southern Africa*; *Southern African Journal of Philosophy*; *NGTT (Dutch Reformed Theological Journal)*, *Ecology & Society*; *Theory, Culture & Society*; *Knowledge Organisation*; *African Journal of Business Ethics*; *The Belmont Forum*; *LitNet*; *Journal for Systems Research and Behavioural Science*; *Complexity*
- Regular Examiner of Masters and PhD theses/dissertations and external moderator for several post-graduate degree modules.

PLANNING COMMITTEES FOR WORKSHOPS, SCIENTIFIC MEETINGS AND CONFERENCES

- Project lead for "Web-based Training for Transformative African Futures" on the "USAID/Southern Africa's Resilient Waters Program". Online MOOC (1 November 2021-31 March 2022). Video: <https://youtu.be/sFPtcVJSyUQ>; https://openlearning.unesco.org/courses/course-v1:RWP+01+2021_01/about

- Host and organiser of the CST 'lockdown' Online Webinar series: "Complexity & Resilience insights in a time of transition", March–December 2021, <http://www0.sun.ac.za/cst/videos/lockdown-webinars/>
- Member of the Organising Committee for the Colloquium on "Resilience for Development: Assessment Methods and Transformation Practices", 08–10 May, Johannesburg, South Africa (2017). www.resdev2017.org
- Member of the Planning Committee for the *Anthropocene visioning workshop* from 15–18 November, Cape Town, South Africa (2016).
- Organiser for *Re-imagining the Anthropocene workshop* co-hosted with the Sustainability Institute on 4 October, Stellenbosch, South Africa (2016).
- Member of the Planning Committee for the *Applying Resilience Thinking and Practice towards sustainable development pathways in Africa* workshop from 4–5 August, Stellenbosch, South Africa (2016).
- Member of the *Anthropocene Dialogues* seminar series Organizing Committee, CST, Stellenbosch University (2016-2019).
- Member of the Planning Committee for the *PECS2015 Conference* on 'Social-Ecological Dynamics in the Anthropocene' hosted from 3–5 November in Stellenbosch, South Africa (2015), www.pecs2015.org
- Member of the Organising Committee, SAPECS workshop on *Policy-Science Dialogue* Cape Town, South Africa (2015).
- Member of the Organising Committee, SAPECS workshop on *Urban transformations in the Anthropocene*, Cape Town, South Africa (2015).
- Member of the Organising Committee, SAPECS workshop on *Transformation and the Good Anthropocene*, Stellenbosch, South Africa (2014).
- Organizer and facilitator, Complexity: The Philosophical and Human Legacy of Paul Cilliers. Akili Young Scientists Colloquium. 8 December 2011, Stellenbosch, South Africa.: 1-day colloquium arranged by the Akili Young Scientists
- Convenor for Western Cape node, NRF Funded *Akili Young Scientists Facilitation Committee*, 2010–2011.
- Organiser and facilitator, NRF Funded *Complexity Forum*, South Africa, 2012–2014.