

Supplementary material 1 Full list of papers included in knowledge co-production review

- 1 Aeberhard A and Rist S. Transdisciplinary co-production of knowledge in the development of organic agriculture in Switzerland. *Ecological Economics* 2009;**68**:1171–81. (*Environment discipline*)
- 2 Anderson L, Ellwood P and Coleman C. The impactful academic: relational management education as an intervention for impact. *British Journal of Management* 2017;**28**:14–28. (*Management*)
- 3 Antonacopoulou. Beyond co-production: practice-relevant scholarship as a foundation for delivering impact through powerful ideas. *Public Money and Management* 2010;**30(4)**:219–26. (*Management*)
- 4 Arancibia F. Rethinking activism and expertise within environmental health conflicts. *Sociology Compass* 2016;**10(6)**:477–90. (*Health sociology*)
- 5 Armstrong F and Alsop A. Debate: co-production can contribute to research impact in the social sciences. *Public Money and Management* 2010;**30(4)**:208–10. (*Management*)
- 6 Assmuth T and Lyytimaki J. Co-constructing inclusive knowledge within converging fields: environmental governance and health care. *Environmental Science and Policy* 2015;**51**:338–50. (*Environmental science*)
- 7 Barge JK. Crossing boundaries between communication activism research and applied communication research discourses. *International Journal of Communication* 2016;**10**:4000–8. (*Communication studies*)
- 8 Beebeejaun Y, Durose C, Rees J, Richardson J, Richardson L. ‘Beyond text’: exploring ethos and method in co-producing research with communities. *Community Development Journal* 2014;**49(1)**:37–53. (*Communication*)
- 9 Beebeejaun Y, Durose C, Rees J, Richardson J, Richardson L. Public harm or public value? Towards coproduction in research with communities. *Environment and Planning C: Politics and Space* 2015;**33**:552–65. (*Environment*)
- 10 Bekker M, van Egmond S, Wehrens R et al. Linking research and policy in Dutch healthcare: infrastructure, innovations and impacts. *Evidence and Policy* 2010;**6(2)**:237–53. (*Health*)
- 11 Bell D and Pahl K. Co-production: towards a utopian approach. *International Journal of Social Research Methodology* 2018;**21(1)**:105–17. (*Social science general*)

- 12 Bevir M, Needham C, Waring J. Inside co-production: ruling, resistance, and practice. *Social Policy and Administration* 2019;**53(2)**:197–202. (*Social policy*)
- 13 Borg M, Karlsson B, Kim H and McCormack B. Opening up for many voices in knowledge construction. *Forum: Qualitative Social Research* 2012;**13(1)**:Art. 1. (*Social sci/health*)
- 14 Borquez R, Aldunce P, Adler C. Resilience to climate change: from theory to practice through coproduction of knowledge in Chile. *Sustainability Science* 2017;**12(1)**:163–76. (*Sustainability*)
- 15 Bremer S, Blanchard. Narrative as a method for eliciting tacit knowledge of climate variability in Bangladesh. *Weather Climate and Society* 2017;**9(4)**:669–86. (*Environment (climate)*)
- 16 Bremer S, Meisch S. Co-production in climate change research: reviewing different perspectives. *WIREs Climate Change* 2017;**8(6)**:e482. (*Environment (climate)*)
- 17 Burns D, Hyde P, Killest A et al. Participatory organizational research: examining voice in the co-production of knowledge. *British Journal of Management* 2014;**25(1)**:133–44. (*Management*)
- 18 Bush PL, Pluye P, Loignon C, Granikov V, Wright M, et al. Organizational participatory research: a systematic mixed studies review exposing its extra benefits and the key factors associated with them. *Implementation Science* 2017;**12**:119. (*Implementation science*)
- 19 Campbell L, Svendsen E and Roman L. Knowledge co-production at the research–practice interface: embedded case studies from urban forestry. *Environmental Management* 2016;**57**:1262–80. (*Environmental science*)
- 20 Castree N. Coproducing global change research and geography: the means and ends of engagement. *Dialogues In Human Geography* 2015;**5(3)**:343–8. (*Human geography*)
- 21 Cherney A. Academic–industry collaborations and knowledge co-production in the social sciences. *Journal of Sociology* 2015;**51(4)**:1003–16. (*Sociology*)
- 22 Chesters G. Social movements and the ethics of knowledge production. *Social Movement Studies* 2012;**11(2)**:145–60. (*Social research ethics*)
- 23 Clarke J, Waring J and Timmons S. The challenge of inclusive coproduction. The importance of situated rituals and emotional inclusivity in the coproduction of health research projects. *Soc Policy Admin* 2018;**2018**:1–16. (*Social/health policy*)
- 24 Cooke J, Langley J, Wolstenholme D and Hampshaw S. ‘Seeing’ the difference: the importance of visibility and action as a mark of ‘authenticity’ in co-production. *International Journal of Health Policy Management* 2017;**6(6)**:345–8. (*Health policy*)

- 25 Durose C, Beebeejaun Y, Rees J, Richardson J and Richardson L. *Towards co-production in research with communities*. Arts and Humanities Research Council open access publication; 2012. (*Social policy*)
- 26 Edelenbos J, van Buuren A and van Schie N. Co-producing knowledge: joint knowledge production between experts, bureaucrats and stakeholders in Dutch water management projects. *Environmental Science and Policy* 2011;**14(6)**:675–84. (*Environmental science*)
- 27 Enquist C, Jackson S, Garfin G et al. Foundations of translational ecology. *Frontiers In Ecology and The Environment* 2017;**15(10)**:541–50. (*Ecology*)
- 28 Ewert B and Evers A. An ambiguous concept: on the meanings of co-production for health care users and user organizations. *VOLUNTAS: International Journal of Voluntary and Nonprofit Organizations Volume* 2012;**25**:425–42. (*Health*)
- 29 Fenge L, Fannin A, Hicks C. Co-production in scholarly activity: valuing the social capital of lay people and volunteers. *Journal of Social Work* 2012;**12(5)**:545–9. (*Health*)
- 30 Filipe A, Renedo A and Marston C. The co-production of what? Knowledge, values, and social relations in health care. *PLoS Biol* 2017;**15(5)**:e2001403. (*Health*)
- 31 Flinders M, Wood M, Cunningham M. The politics of co-production: risks, limits and pollution. *Evidence and Policy* 2016;**12(2)**:261–79. (*Policy, management*)
- 32 Frantzeskaki N and Kabisch N. Designing a knowledge co-production operating space for urban environmental governance – lessons from Rotterdam, Netherlands and Berlin, Germany. *Environmental Science and Policy* 2016;**62**:90–8. (*Environmental science*)
- 33 Gillard S, Simons L, Turner K et al. Patient and public involvement in the coproduction of knowledge: reflection on the analysis of qualitative data in a mental health study. *Qualitative Health Research* 2012;**22(8)**:1126–37. (*Health*)
- 34 Green, Boaz and Stuttaford. Editorial: public participation in health care: exploring the co-production of knowledge. *Frontiers in Sociology* 2019;**4**:73. (*Health*)
- 35 Greenhalgh T, Jackson T, Shaw S, Janamian T. Achieving research impact through co-creation in community-based health services: literature review and case study. *The Milbank Quarterly* 2016;**94(2)**:392–429. (*Health*)
- 36 Heaton J, Day J and Britten N. Collaborative research and the co-production of knowledge for practice: an illustrative case study. *Implementation Science* 2015;**11(1)**:20. (*Health*)

- 37 Hewison A, Gale N, and Shapiro J. Co-production in research: some reflections on the experience of engaging practitioners in health research. *Public Money and Management* 2012;**32**:4, 297–302. (Health)
- 38 Hutchins K, Lindenfield L, Bell K, Leahy J and Silka L. Strengthening knowledge co-production capacity: examining interest in community–university partnerships. *Sustainability* 2013;**5**(9):3744–70. (Sustainability)
- 39 Jagosh J, Macaulay A, Pluye P et al. Uncovering the benefits of participatory research: implications of a realist review for health research and practice. *The Milbank Quarterly* 2012;**90**(2):311–46. (Health)
- 40 Jasanoff S. *States of knowledge. The co-production of science and social order*. London: Routledge; 2004. (Sociology)
- 41 Jull J, Giles A and Graham I. Community-based participatory research and integrated knowledge translation: advancing the co-creation of knowledge. *Implementation Science* 2017;**12**(1):150. (Health, implementation science)
- 42 Kernick D and Mitchell A. Working with lay people in health service research: a model of co-evolution based on complexity theory. *Journal of Interprofessional Care* 2010;**24**(1):31–40. (Health)
- 43 Klenk N and Wyatt S. The design and management of multi-stakeholder research networks to maximize knowledge mobilization and innovation opportunities in the forest sector. *Forest Policy and Economics* 2015a;**61**:77–86. (Environment)
- 44 Klenk N and Meehan K. Climate change and transdisciplinary science: problematizing the integration imperative. *Environmental Science and Policy* 2015b;**54**:160–7. (Environment)
- 45 Klenk N, Fiume A, Meehan K, Gibbes C. Local knowledge in climate adaptation research: moving knowledge frameworks from extraction to co-production. *WIREs Climate Change* 2017;**8**(5):e475. (Environment)
- 46 Kothari A and Wathen C. A critical second look at integrated knowledge translation. *Health Policy* 2013;**109**:187–91. (Health)
- 47 Lawrence. Advances in transdisciplinarity: epistemologies, methodologies and processes. *Futures* 2015;**65**:1–9. (Multidisciplinary, sustainability, urban planning)
- 48 Lawson D, Hall K, Yung L, Enquist C. Building translational ecology communities of practice: insights from the field. *Translational Ecology* 2017;**15**(10):569–77. (Translational ecology)
- 49 Lehmann U and Gilson L. Action learning for health system governance: the reward and challenge of co-production. *Health Policy and Planning* 2015;**30**(8):957–63. (Health policy)

- 50 Lövbrand E. Co-producing European climate science and policy: a cautionary note on the making of useful knowledge. *Science and Public Policy* 2011;**38(3)**:225–36. (*Climate science*)
- 51 Maclean K and Cullen L. Research methodologies for the co-production of knowledge for environmental management in Australia. *J. of The Royal Soc. New Zealand* 2009;**39(4)**:205–8. (*Sustainability, natural resource management*)
- 52 Marcos J and Denyer D. Crossing the sea from they to we? The unfolding of knowing and practising in collaborative research. *Management Learning* 2012;**43(4)**:443–59. (*Management, academia*)
- 53 Martin S. Co-production of social research: strategies for engaged scholarship. *Public Money and Management* 2010;**30(4)**: 211–8. (*Management*)
- 54 May T and Marvin S. The future of sustainable cities: governance, policy and knowledge. *Local Environment. The Int. J of Justice and Sustainability* 2017;**22**:1–7. (*Sustainability science*)
- 55 McCabe K, Wallace A, Crosland A. A model for collaborative working to facilitate knowledge mobilisation in public health. *Evidence and Policy* 2015;**11(4)**:559–76. (*Health*)
- 56 McCabe K, Parker R, Cox S. The ceiling to coproduction in university–industry research collaboration. *Higher Education Research & Development* 2016;**35(3)**:560–74. (*Education studies*)
- 57 Miszczak S and Patel Z. The role of engaged scholarship and co-production to address urban challenges: a case study of the Cape Town knowledge transfer programme. *South African Geographical Journal* 2018;**100(2)**:233–48. (*Social policy*)
- 58 Moncaster A, Hinds D, Cruickshank H et al. Knowledge exchange between academia and industry. *Proceedings of the Institution of Civil Engineers* 2010;**163(ES3)**:167–74. (*Engineering*)
- 59 O'Hare P, Coaffee J and Hawkesworth M. Managing sensitive relations in co-produced planning research. *Public Money and Management* 2010;**30(4)**:243–50. (*Management*)
- 60 Oldfield S and Patel Z. Engaging geographies: negotiating positionality and building relevance. *South African Geographical Journal* 2016;**98(3)**:505–14. (*Geography*)
- 61 Olesen B and Nordentoft H. Walking the talk? A micro-sociological approach to the co-production of knowledge and power in action research. *International Journal of Action Research* 2013;**9(1)**:67–94. (*Sociology*)
- 62 Oliver K, Kothari A and Mays N. The dark side of coproduction: do the costs outweigh the benefits for health research? *Health Res. Policy and Systems* 2019;**17**:33. (*Health*)

- 63 Orr K and Bennett M. Reflexivity in the co-production of academic–practitioner research. *Qualitative Research in Organizations and Management: An International Journal* 2009;**4(1)**:85–102. (*Management studies*)
- 64 Orr K and Bennett M. Down and out at the British library and other dens of co-production. *Management Learning* 2012a;**43(4)**:427–42. (*Management studies*)
- 65 Orr K and Bennett M. Public administration scholarship and the politics of coproducing academic–practitioner research. *Public Administration Review* 2012b;**72(4)**:487–95. (*Management*)
- 66 Ospina S, El Hadidy W and Hofmann-Pinilla A. Cooperative inquiry for learning and connectedness. *Action Learning: Research and Practice* 2008;**5(2)**:131–47. (*Education studies*)
- 67 Pain R, Kesby M and Askins K. Geographies of impact: power, participation and potential partnerships (R-PPs) and collaborative research. *Area* 2011;**43(2)**:183–8. (*Geography*)
- 68 Perry B and May T. Lessons on the research–practice relationship: from critique to co-production in Greater Manchester. In *Co-Producing Knowledge For Sustainable Cities: Joining Forces For Change*. London: Routledge; 2015. pp. 114–38. (*Environmental studies*)
- 69 Phillips LJ. Analysing the dialogic turn in the communication of research-based knowledge: an exploration of the tensions in collaborative research. *Public Understanding of Science* 2011;**20(1)**:80–100. (*Management*)
- 70 Pinfold V et al. Co-production in mental health research: reflections from the people study. *Mental Health Review Journal* 2015;**20(4)**:220–31. (*Health*)
- 71 Pohl C, Rist S, Zimmerman A et al. Researchers' roles in knowledge co-production: experience from sustainability research in Kenya, Switzerland, Bolivia and Nepal. *Science and Public Policy* 2010;**37(4)**:267–81. (*Sustainability*)
- 72 Polk M. Transdisciplinary co-production: designing and testing a transdisciplinary research framework for societal problem solving. *Futures* 2015;**65**:110–22. (*Sustainability*)
- 73 Reed M, Stringer L, Fazey I, Evely A and Kruijssen J. Five principles for the practice of knowledge exchange in environmental management. *Journal of Environmental Management* 2014;**146**:337–45. (*Environmental management*)
- 74 Rossi F, Rosli A, Yip N. Academic engagement as knowledge co-production and implications for impact: evidence from knowledge transfer partnerships. *Journal of Business Research* 2017;**80**:1–9. (*Business/management*)

- 75 Roux D, Rogers K, Biggs H, Ashton P and Sergeant A. Bridging the science–management divide: moving from unidirectional knowledge transfer to knowledge interfacing and sharing. *Ecology and Society* 2006;**11(1)**:4. (*Ecology, sustainability*)
- 76 Rowley E, Morriss M, Currie G and Schneider J. Research into practice: collaboration for leadership in applied health research and care (CLAHRC) for Nottinghamshire, Derbyshire, Lincolnshire (NDL). *Implementation Science* 2012;**7**:40. (*Health*)
- 77 Rycroft-Malone J, Burton C, Bucknall T et al. Collaboration and co-production of knowledge in healthcare: opportunities and challenges. *Int. J. of Health Policy and Management* 2016;**5(4)**:221–3. (*Health*)
- 78 Scaratti G, Galuppo L, Gorli M, Gozzoli C, Ripamonti S. The social relevance and social impact of knowledge and knowing. *Management Learning* 2017;**48(1)**:57–64. (*Management*)
- 79 Schuttenberg H and Guth H. Seeking our shared wisdom: a framework for understanding knowledge coproduction and coproductive capacities. *Ecology and Society* 2015;**20(1)**:15. (*Ecology*)
- 80 Shannon R, Hope M, McCloskey J, Crowley D and Crichton P. Social dimensions of science–humanitarian collaboration: lessons from Padang, Sumatra, Indonesia. *Disasters* 2014;**38(3)**:636–53. (*Disaster studies/humanitarian*)
- 81 Stegmaier P. The rock 'n' roll of knowledge co-production. Science & society series on convergence research. *EMBO Reports* 2009;**10(2)**:114–9. (*Genomics*)
- 82 Tebes J, Thai N and Matlin S. Twenty-first century science as a relational process: from eureka! To team science and a place for community psychology. *American Journal of Community Psychology* 2014;**53(3–4)**:475–90. (*Psychology*)
- 83 Temper L and Del Bene D. Transforming knowledge creation for environmental and epistemic justice. *Current Opinion In Environmental Sustainability* 2016;**20**:41–9. (*Environment*)
- 84 van Kerkhoff, L. Developing integrative research for sustainability science through a complexity principles-based approach. *Sustainability Science* 2014;**9(2)**:143–55. (*Sustainability*)
- 85 Vindrola-Padros C, Eyre L, Baxter H et al. Addressing the challenges of knowledge co-production in quality improvement: learning from the implementation of the researcher-in-residence model. *BMJ Quality & Safety* 2019;**26(1)**:70–80. (*Health*)
- 86 Wall T, McNie E, Garfin G. Use-inspired science: making science usable by and useful to decision makers. *Translational Ecology* 2017;**15(10)**:551–9. (*Ecology*)

87 Wehrens R. Beyond two communities – from research utilization and knowledge translation to co-production? *Public Health* 2014;**128(6)**:545–51. (*Public health*)