

Ralph Jocham, John Coleman, Jeff Sutherland

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1. Rau, T. (2022) *Sociocracy - Basic Concepts and principles*, *Sociocracy For All*. At: <https://www.sociocracyforall.org/sociocracy/> (Accessed: April 5, 2023).
2. Hamel, G. and Zanini, M. (2023) *Humanocracy*. At: <https://www.humanocracy.com/> (Accessed: April 5, 2023).
3. Kegan, R. and Laskow Lahey, L. (2019) *An everyone culture*, *The Developmental Edge*. At: <https://developmentaledge.com/an-everyone-culture/> (Accessed: April 4, 2023).
4. Laskow Lahey, L. and Kegan, R. (2023) *News & thinking*, *The Developmental Edge*. At: <https://developmentaledge.com/newsthinking/#methodologies> (Accessed: April 3, 2023).



5. Moore, G.A., 1991. *Crossing the Chasm: Marketing and Selling High-Tech Products to Mainstream Customers*. New York: Harper Business.
6. Coleman, J., (2025) MORE executive SUCCESS. Unpublished.
7. Marquet, L. D. (2013) *Turn the Ship Around! A True Story of Turning Followers into Leaders*. Portfolio.
8. Marquet, L.D. (2021) *Leadership is language: The hidden power of what you say and what you don't*. Nakskov, Denmark: Nota.
9. Marquet, L. D. (2021) *Based Leadership® International* with L. David Marquet - IBLI. At: <https://davidmarquet.com/> (Accessed: April 5, 2023).
10. Rau, T.J. and Koch-Gonzalez, J. (2018) *Many voices one song: Shared power with sociocracy*. Amherst, MA: Sociocracy for All.
11. Buck, J. & Endenburg, G. (2012) *The creative forces of self-organization*. Sociocratic Center.
12. Buck, J. & Villines, S. (2017) *We the people: Consenting to a deeper democracy*. 2nd edn. Sociocracy.info Press.
13. Endenburg, G. (1998) *Sociocracy: The organization of decision-making*. Delft: Eburon Publishers.
14. Priest, J. & Bockelbrink, B. (2018) *Sociocracy 3.0 – The practical guide*. Available at: <https://sociocracy30.org/> (Accessed: 17 May 2025).
15. Bogsnes, B. (2023) *This is beyond budgeting: A guide to more adaptive and human organizations*. Hoboken, NJ: John Wiley & Sons, Inc.
16. Bogsnes, B. (2023) *Beyond budgeting at 25* - bbrt.org, *Beyond Budgeting Round Table*. At: [https://bbrrt.org/wp-content/uploads/bb-white-paper\\_a.pdf](https://bbrrt.org/wp-content/uploads/bb-white-paper_a.pdf) (Accessed: April 7, 2023).
17. Olesen, A. (2016) *Beyond budgeting: Principle 1 - purpose*, YouTube. At: [https://youtu.be/\\_9ZW2NjyFxE](https://youtu.be/_9ZW2NjyFxE) (Accessed: April 7, 2023).
18. Larsson, D. (2016) *Beyond budgeting: Principle 2 - values*, YouTube. At: <https://youtu.be/pl1BPrITbm4> (Accessed: April 7, 2023).
19. Player, S. (2016) *Beyond budgeting: Principle 3 - transparency*, YouTube. At: <https://youtu.be/Mb7K8App2vw> (Accessed: April 7, 2023).
20. Rööslä, F. (2016) *Beyond budgeting: Principle 4 - Organization*, YouTube. At: <https://youtu.be/i8HIgc8OZYM> (Accessed: April 7, 2023).
21. Larsson, D. (2016) *Beyond budgeting: Principle 5 - autonomy*, YouTube. At: <https://youtu.be/ipnjHtXYi-g> (Accessed: April 7, 2023).
22. Player, S. (2016) *Beyond budgeting: Principle 6 - customers*, YouTube. At: [https://youtu.be/\\_6fut4R\\_wVw](https://youtu.be/_6fut4R_wVw) (Accessed: April 7, 2023).
23. Bogsnes, B. (2016) *Beyond budgeting: Principle 7 - rhythm*, YouTube. At: [https://youtu.be/rb\\_NsnPNIQQ](https://youtu.be/rb_NsnPNIQQ) (Accessed: April 7, 2023).
24. Rööslä, F. (2016) *Beyond budgeting: Principle 8 - targets*, YouTube. At: <https://youtu.be/up3mp7jN6XU> (Accessed: April 7, 2023).
25. Player, S. (2016) *Beyond budgeting: Principle 9 - plans and forecasts*, YouTube. At: <https://youtu.be/OWM7FUuXejI> (Accessed: April 7, 2023).
26. Olesen, A. (2016) *Beyond budgeting: Principle 10 - resource allocation*, YouTube. At: [https://youtu.be/mPCYHmvi\\_b8](https://youtu.be/mPCYHmvi_b8) (Accessed: April 7, 2023).

27. Bogsnes, B. (2016) *Beyond budgeting: Principle 11 - performance evaluation*, YouTube. At: <https://youtu.be/RfPVtG2B27E> (Accessed: April 7, 2023).
28. Röösl, F. (2016) *Beyond budgeting: Principle 12 - rewards*, YouTube. At: <https://youtu.be/ETU5TzNYiC0> (Accessed: April 7, 2023).
29. Takeuchi, H. and Nonaka, I. (2014) *The new new product development game*, Harvard Business Review. At: <https://hbr.org/1986/01/the-new-new-product-development-game> (Accessed: 21 January 2024).
30. Cynefin.io, V. (2022) *Cynefin wiki*, Cynefin.io. Cynefin.io. At: <https://cynefin.io/> (Accessed: April 4, 2023).
31. Rancati, A. and Snowden, D. (2021) *Managing complexity (and chaos) in a crisis - a field guide for decision makers inspired by the Cynefin framework*. Luxembourg, Belgium: Publications Office of the European Union.
32. Snowden, D. et al. (2022) *Cynefin® weaving sense-making into the fabric of our world*. 2nd edn. Edited by R. Greenberg and B. Bertsch. Singapore, Singapore: Cognitive Edge - The Cynefin Co.
33. Snowden, D. (2023) *Cynefin St David's 2023 1 of 2*, Cynefin Co. <https://thecynefin.co/cynefin-st-davids-2023-1-of-2/> (Accessed: April 20, 2023).
34. Snowden, D. (2023) *Managing for emergence through abduction*, The Cynefin Co. At: <https://thecynefin.co/managing-for-emergence/> (Accessed: June 24, 2023).
35. Snowden, D. and Smith, N. (2023) *Leadership discussion: Dave and Natalie - the Cynefin co*, YouTube. At: <https://youtu.be/WcPZ8ybDF0w> (Accessed: April 7, 2023).
36. Langton, C.G. (ed.) (1989) *Artificial Life: Proceedings of an Interdisciplinary Workshop on the Synthesis and Simulation of Living Systems*, Los Alamos, New Mexico, September 1987. Santa Fe Institute Studies in the Sciences of Complexity, vol. VI. Redwood City, CA: Addison-Wesley.
37. Langton, C.G. (1989) 'Life at the edge of chaos', in Langton, C.G. (ed.) *Artificial Life: Proceedings of an Interdisciplinary Workshop on the Synthesis and Simulation of Living Systems*. Santa Fe Institute Studies in the Sciences of Complexity, vol. VI. Redwood City, CA: Addison-Wesley, pp. 41–91.
38. Wolfram, S. (2002) *A new kind of science*. Champaign, IL: Wolfram Media.
39. Alexander, C. (1979) *The timeless way of building*. New York: Oxford University Press.
40. Schwaber, K. & Sutherland, J. (2020) *The Scrum Guide: The definitive guide to Scrum: The rules of the game*. Available at: <https://scrumguides.org/docs/scrumguide/v2020/2020-Scrum-Guide-US.pdf> (Accessed: 17 May 2025)
41. Martin, R.L. (2022) *A new way to think your guide to Superior Management Effectiveness*. Boston, MA, MA, USA: Harvard Business Review Press.

42. Gilb, T. & Graham, D. (1993) *Software Inspection*. Harlow: Addison-Wesley.
43. Gilb, T. (1988) 'Deeper perspectives on evolutionary delivery, in *Principles of Software Engineering Management*. Wokingham: Addison-Wesley, pp. [chapter 15]. Also available at: <https://bit.ly/TomGilbEvo>.
44. Gilb, Tom & Maier, Mark. (2005). *Managing Priorities: A Key to Systematic Decision Making*. INCOSE International Symposium. 15. 10.1002/j.2334-5837.2005.tb00782.x. Also available at: <https://bit.ly/TomGilbPriorities>.
45. Gilb, T. (1988) 'Deeper perspectives on evolutionary delivery', in *Principles of Software Engineering Management*. Wokingham: Addison-Wesley, pp. [chapter 15].
46. Gilb, T. (2005) *Competitive Engineering: A Handbook for Systems Engineering, Requirements Engineering, and Software Engineering Using Planguage*. Oxford: Elsevier Butterworth-Heinemann. Also available at: <https://bit.ly/TomGilbCompEng>.
47. Gilb, T. (2009) 'Agile specification quality control: Shifting emphasis from cleanup to sampling defects', *Testing Experience*, March. Available at: [https://www.researchgate.net/publication/294196272\\_Agile\\_specification\\_quality\\_control](https://www.researchgate.net/publication/294196272_Agile_specification_quality_control) [Accessed: 17 May 2025].
48. Gilb, T. & Gilb, K. (1989) 'The McDonnell-Douglas case study of SQC and engineering improvement: Case DAC Inspection 1988-89'. Available at: <https://bit.ly/TomGilbMcDonnell-Douglas> [Accessed: 17 May 2025].
49. LeSS.works (n.d.) *Self-managing teams*. Available at: <https://less.works/less/management/self-managing-teams> (Accessed: 17 May 2025).
50. Gothelf, J. & Seiden, J. (2021) *Lean UX: Designing great products with agile teams*. 3rd edn. Sebastopol, CA: O'Reilly Media
51. Torres, T. (2021) *Continuous discovery habits: Discover products that create customer value and business value*. North Charleston, SC: Product Talk
52. Scrum.org (2025) *Scrum Hexis*. Available at: [https://thecynefin.co/product/hexi-scrumorg/?srsltid=AfmBOorcohLYeVy0qBsQFI6mK\\_bZtJA\\_uGC6hPL2BdptiTwNmMwpKTQv](https://thecynefin.co/product/hexi-scrumorg/?srsltid=AfmBOorcohLYeVy0qBsQFI6mK_bZtJA_uGC6hPL2BdptiTwNmMwpKTQv) (Accessed: 17 May 2025).
53. Sutherland, J., Coplien, J.O., Heasman, L., den Hollander, M., Ramos, C. and The Scrum Patterns Group (2019) *A Scrum Book: The Spirit of the Game*. Raleigh, NC: Pragmatic Press.  
Members of The Scrum Patterns Group: Verloed, E., Harrison, N., Harada, K., Yoder, J., Kim, J., O'Callaghan, A., Beedle, M., Bjørnvig, G., Friis, D., Reijonen, V., Benefield, G., Østergaard, J., Eloranta, V.-P., Leonard, E. & Aguiar, A.
54. Snowden, D. (2025) 'Estuarine mapping first edition', *The Cynefin Co*, 22 April. Available at: <https://thecynefin.co/estuarine-mapping/> (Accessed: 8 June 2025)
55. Ackoff, R.L. (1999) *Ackoff's Best: His Classic Writings on Management*. New York: John Wiley & Sons.
56. Fischer, B., Minnaar, J., Moehrle, M., & Cornuel, E. (2020) *RenDan*

- HeYi: Pioneering the Quantum Organisation. EFMD Global Focus, Special Supplement. Available at: <https://bit.ly/RenDanHeYi> [Accessed 27 May 2025]*
57. Blackburn, S. (2003) *Ethics: A Very Short Introduction*. Oxford: Oxford University Press.
  58. Mayer, T. (2025) *A Simple Guide to Scrum*. [Online]. Available at: <https://scrum.academy/guide/> (Accessed: 17 May 2025)
  59. Ohno, T. (1988) *Toyota Production System: Beyond Large-Scale Production*. Portland, OR: Productivity Press.
  60. Toyota Motor Corporation (2024) *Toyota Production System*. Available at: <https://global.toyota/en/company/vision-and-philosophy/production-system/index.html> (Accessed: 17 May 2025).
  61. Hounshell, D.A. & Smith, J.K. (1988) *Science and Corporate Strategy: DuPont R&D, 1902–1980*. Cambridge: Cambridge University Press.
  62. Schwaber, K. and Sutherland, J. (1995) ‘SCRUM Development Process’, OOPSLA Business Object Design and Implementation Workshop. Austin, Texas, October 1995. Available at: <http://jeffsutherland.org/oopsla/schwapub.pdf> (Accessed: 17 May 2025).
  63. Womack, J.P. and Jones, D.T. (1996) *Lean Thinking: Banish Waste and Create Wealth in Your Corporation*. New York: Simon & Schuster.
  64. Thurlow, N., Turner, J.R. and Podder, A. (2020) *The Flow System: The Evolution of Agile and Lean Thinking in an Age of Complexity*. Flow Consortium. Available at: [https://flowguides.org/Flow\\_Guide.pdf](https://flowguides.org/Flow_Guide.pdf) (Accessed: 17 May 2025).
  65. Felderer, M. and Travassos, G.H. (2020) ‘The Evolution of Empirical Methods in Software Engineering’. Available at: <https://arxiv.org/pdf/1912.11512.pdf> (Accessed: 17 May 2025).
  66. Creative Wisdom (n.d.) ‘Abduction, Deduction and Induction’. Available at: <https://www.creative-wisdom.com/teaching/WBI/abduction5.pdf> (Accessed: 17 May 2025).
  67. Campbell, J. (2025) ‘Empiricism’, EBSCO Research Starters. Available at: <https://www.ebsco.com/research-starters/religion-and-philosophy/empiricism> (Accessed: 17 May 2025)
  68. Kanban Guides (2025) Available at: <https://kanbanguides.org> (Accessed: 17 May 2025)
  69. Scrum.org et al. (2021) *The Kanban Guide for Scrum Teams*. Available at: <https://www.scrum.org/resources/kanban-guide-scrum-teams> (Accessed: 17 May 2025)
  70. Csíkszentmihályi, M. (1990) *Flow: The Psychology of Optimal Experience*. New York: Harper & Row
  71. Templeton Foundation (2023) ‘What Is Emergence?’ John Templeton Foundation. Available at: <https://www.templeton.org/news/what-is-emergence> (Accessed: 17 May 2025).
  72. van der Bles, A.M., van der Linden, S., Freeman, A.L.J. and Spiegelhalter, D.J. (2019) ‘Communicating uncertainty about facts, numbers and science’, *Royal Society Open Science*, 6(5), 181870. Available at:

- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6549952/> (Accessed: 17 May 2025).
73. Morieux, Y. (2015) *How too many rules at work keep you from getting things done: Yves Morieux: Ted Talks, YouTube*. At: <https://youtu.be/tNoFstCmQ> (April 3, 2023).
  74. Holland, J.H. (1992) *Complex Adaptive Systems*. *Daedalus*, 121(1), pp. 17–30. Available at: <https://www.jstor.org/stable/20025416> (Accessed: 17 May 2025).
  75. Axelrod, R. and Cohen, M.D. (2000) *Harnessing Complexity: Organizational Implications of a Scientific Frontier*. New York: Free Press.
  76. Juarrero, A. (1999) *Dynamics in Action: Intentional Behavior as a Complex System*. Cambridge, MA: MIT Press.
  77. Snowden, D.J. and Boone, M.E. (2007) ‘A leader’s framework for decision making’, *Harvard Business Review*, 85(11), pp. 68–76. Available at: <https://hbr.org/2007/11/a-leaders-framework-for-decision-making> (Accessed: 17 May 2025)
  78. Dictionary Marketing (2024) ‘B2B2B’. Available at: <https://dictionarymarketing.com/definition/b2b2b/> (Accessed: 17 May 2025).
  79. NetSuite (2023) ‘What Is Business to Business to Consumer (B2B2C)?’ Available at: <https://www.netsuite.com/portal/resource/articles/ecommerce/b2b2c.shtml> (Accessed: 17 May 2025).
  80. LeSS (n.d.) ‘Why LeSS? Achieving adaptiveness’. Available at: <https://less.works/less/framework/why-less> (Accessed: 17 May 2025).
  81. Sociocracy For All (n.d.) ‘Gerard Endenburg: founder of Sociocratic Circle Method and pioneer of self-management’. Available at: <https://www.sociocracyforall.org/gerard-endenburg-founder-of-sociocratic-circle-method-and-pioneer-of-self-management/> (Accessed: 18 May 2025).
  82. Patton, J. and Economy, P. (2014) *User Story Mapping: Discover the Whole Story, Build the Right Product*. Sebastopol, CA: O’Reilly Media.
  83. Kotter, J.P., 1996. *Leading Change*. Boston: Harvard Business School Press.
  84. ‘Genchi Genbutsu’ (2024) Wikipedia. Available at: [https://en.wikipedia.org/wiki/Genchi\\_genbutsu](https://en.wikipedia.org/wiki/Genchi_genbutsu) (Accessed: 18 May 2025).
  85. ScrumPlop, n.d. *Illegitimus Non Interruptis. The Scrum Book: The Spirit of the Game*. Available at: <https://sites.google.com/a/scrumplp.org/published-patterns/product-organization-pattern-language/illegitimus-non-interruptus> [Accessed: 18 May 2025].
  86. Cagan, M., 2018. *Inspired: How to Create Tech Products Customers Love*. 2nd ed. Hoboken, NJ: Wiley.
  87. Cagan, M. & Jones, C., 2020. *Empowered: Ordinary People, Extraordinary Products*. Hoboken, NJ: Wiley.
  88. Cagan, M., 2024. *Transformed: Moving to the Product Operating Model*. Hoboken, NJ: Wiley.
  89. Schwaber, K. (2023) ‘Scrum Guide’, Ken Schwaber’s Blog, 25 September. Available at: <https://kenschwaber.wordpress.com/2023/09/25/scrum-guide/> (Accessed: 20 May 2025).

90. *Future Ready: How to Master Business Forecasting*  
Morlidge, S. & Player, S., 2010. *Future Ready: How to Master Business Forecasting*. Chichester: John Wiley & Sons.
91. *The Little Book of Beyond Budgeting*  
Morlidge, S., 2024. *The Little Book of Beyond Budgeting: A New Management Model for Organisations (Second Edition)* [Beyond Books Press]
92. *The Little (Illustrated) Book of Operational Forecasting*  
Morlidge, S., 2019. *The Little (Illustrated) Book of Operational Forecasting*. [Troubador].
93. *Present Sense*  
Morlidge, S., 2019. *Present Sense*. [Troubador].
94. *Zen and the Art of Organising Work*  
Morlidge, S., 2021. *Zen and the Art of Organising Work*. [Troubador].
95. *Cost Matters*  
Morlidge, S., 2023. *Cost Matters*. [Beyond Books Press].
96. *Beyond Budgeting i praktiken* Fahlén, K., 2016. *Beyond Budgeting i praktiken*. Stockholm: Liber.
97. Fahlén, K., 2018. *Dynamic Management Strategy: A guide to management innovation and competitive advantage*. Gothenburg: BAS
98. Bogsnes, B., 2016. *Implementing Beyond Budgeting: Unlocking the Performance Potential*. 2nd ed. Chichester: John Wiley & Sons.
99. Boyd, J.R. (1995–1996) *The Essence of Winning and Losing*. Unpublished briefing slides. Note: Boyd's OODA was primarily disseminated through military briefings and unpublished manuscripts. His final conceptualization appears in *The Essence of Winning and Losing*, which emphasizes nonlinear decision-making and adaptation in complex environments.
100. Turner, J.R., Thurlow, N. and Rivera, B. (2019) *The Flow System Guide*. Available at: [https://flowguides.org/Flow\\_Guide.pdf](https://flowguides.org/Flow_Guide.pdf) (Accessed: 24 May 2025). Summary: This guide integrates Boyd's OODA with complexity theory and agile practices, framing it as a dynamic, non-linear decision-making process for organizational flow.
101. Williamson, P.J. & Yin, E. (2018) 'Management Innovation Made in China: Haier's Rendanheyi', *California Management Review*, 61(1), pp. 71-93.
102. Richards, C. (2004) *Certain to Win: The Strategy of John Boyd, Applied to Business*. Bloomington, IN: Xlibris
103. Becker, S et al (co-author) *The Viable Map Workbook 2023* [Beyond Books Press]
104. Frey, B.S. and Jegen, R. (2001) 'Motivation crowding theory', *Journal of Economic Surveys*, 15(5), pp. 589–611.
105. Cameron, J., Banko, K.M. and Pierce, W.D. (2001) 'Pervasive negative effects of rewards on intrinsic motivation: The myth continues', *The Behavior Analyst*, 24(1), pp. 1–44.
106. Deci, E.L., Koestner, R. and Ryan, R.M. (1999) 'A meta-analytic review of experiments examining the effects of extrinsic rewards on intrinsic motivation', *Psychological Bulletin*, 125(6), pp. 627–668.

107. Ryan, R.M. and Deci, E.L. (2000) 'Intrinsic and extrinsic motivations: Classic definitions and new directions', *Contemporary Educational Psychology*, 25(1), pp. 54–67.
108. Sandel, M.J. (2012) *What money can't buy: The moral limits of markets*. London: Allen Lane.
109. Kohn, A. (1993) 'Why incentive plans cannot work', *Harvard Business Review*, 71(5), pp. 54–63.
110. *Fuzzy Business: How to be roughly right rather than precisely wrong* (unpublished).
111. Lewis, R. (2023) *An operating model for business agility: Agile for managers of the digital age*. Independently published.
112. less.works (n.d.) *Technical Excellence*. Available at: <https://less.works/less/technical-excellence> (Accessed: 7 June 2025)
113. Cagan, M. (2024) *Transformed: Moving to the Product Operating Model*. Hoboken, NJ: Wiley.
114. Cagan, M. (2025) 'The Product Operating Model', *Silicon Valley Product Group*, 17 March. Available at: <https://www.svpg.com/the-product-operating-model/> (Accessed: 8 June 2025).
115. Cagan, M. (n.d.) 'The Product Operating Model: An Introduction', *Silicon Valley Product Group*. Available at: <https://www.svpg.com/the-product-operating-model-an-introduction/> (Accessed: 8 June 2025)
116. Scrum.org (2025) 'The Agile Product Operating Model', *Scrum.org*, 1 May. Available at: <https://www.scrum.org/resources/agile-product-operating-model> (Accessed: 8 June 2025).
117. Scrum.org (2025) 'Agile Product Operating Model State of Play - Part 1 - Fundamentals', *Scrum.org*, 12 May. Available at: <https://www.scrum.org/resources/blog/agile-product-operating-model-state-play-part-1-fundamentals> (Accessed: 8 June 2025).
118. Scrum.org (2024) 'Project to Product and the Agile Product Operating Model', *Scrum.org*, 7 November. Available at: <https://www.scrum.org/resources/blog/project-product-and-agile-product-operating-model> (Accessed: 8 June 2025).
119. Scrum.org (2024) *Moving to an Agile Product Operating Model [PDF]*. Available at: <https://www.scrum.org/resources/moving-agile-product-operating-model-evidence-based-approach-delivering-products-digital-age> or <https://bit.ly/SDOAPOM>. (Accessed: 8 June 2025)
120. Scotland, K. (2023) *Why strategy deployment? Here are three great reasons*, *AvailAgility*. At: <https://availagility.co.uk/2023/02/16/why-strategy-deployment-here-are-three-great-reasons/> (Accessed: April 3, 2023).
121. Scotland, K. (2019) *Deploying strategies as choices*, *AvailAgility*. At: <https://availagility.co.uk/2019/02/08/deploying-strategies-as-choices/> (Accessed: April 3, 2023).
122. Scotland, K. (2017) *Strategy deployment and playing to win*, *AvailAgility*. At: <https://availagility.co.uk/2017/07/14/strategy-deployment-and-playing-to-win/> (Accessed: April 3, 2023).

123. Scotland, K. (2017) *A strategy deployment cadence*, AvailAgility. At: <https://availagility.co.uk/2017/09/06/a-strategy-deployment-cadence/> (Accessed: April 3, 2023).
124. Scotland, K. (2022) *The ultimate X-matrix for your agile transformation is here*, AvailAgility. At: <https://availagility.co.uk/2022/11/03/the-ultimate-x-matrix-for-youragile-transformation-is-here/> (Accessed: April 5, 2023).
125. Krebs, J. (2023) *Agile kata pro*, Agile Kata Pro. At: <https://agilekata.pro/> (Accessed: April 4, 2023).
126. Doerr, J. (2023) *OKRs 101, What Matters*. At: <https://www.whatmatters.com/get-started/> (Accessed: April 4, 2023).
127. Wodtke, C. (2021) *Radical focus achieving your most important goals with objectives and key results-*. Palo Alto, CA: Cucina Media.
128. Gothelf, J. & Seiden, J. (2024) *Who Does What By How Much?: A Practical Guide to Customer-Centric OKRs*. New York: Sense & Respond Press.
129. Appelo, J. (2023) *Sometimes, you \*don't\* want focus*, unFIX. At: <https://unfix.com/blog/sometimes-you-dont-want-focus> (Accessed: 14 January 2024).
130. Appelo, J. (2023) *Bets and objectives*, unFIX. At: <https://unfix.com/bets-and-objectives> (Accessed: 14 January 2024).
131. McChesney, C. (2023) *The 4 disciplines of execution (new)*, Franklin-Covey. At: <https://www.franklincovey.com/the-4-disciplines/> (Accessed: April 4, 2023).
132. Scrum.org (2024) *Evidence-Based Management (EBM) Framework*, Scrum.org. Available at: <https://www.scrum.org/resources/evidence-based-management>. (Accessed: 8 June 2025).
133. Burrows, M. (2023) *Home: Agendashift™*, Agendashift. At: <https://www.agendashift.com/> (Accessed: April 4, 2023).
134. Kniberg, H. and Ivarsson, A. (2012) *Scaling at Spotify*, Crisp. At: <https://blog.crisp.se/wp-content/uploads/2012/11/SpotifyScaling.pdf> (Accessed: April 5, 2023).
135. Ambler, S.W. and Lines, M. (2023) *Disciplined Agile® Toolkit - Project Management Institute*, PMI. At: <https://www.pmi.org/disciplined-agile/> (Accessed: April 5, 2023).
136. Leffingwell, D. and Knaster, R. (2023) *Safe 6.0 framework, Scaled Agile Framework*. At: <https://www.scaledagileframework.com/> (Accessed: April 5, 2023).
137. Sutherland, J. (2021) *Scrum@Scale - the scaling framework created by dr. Jeff Sutherland*, Scrum@Scale Framework. At: <https://www.scrumatscale.com/> (Accessed: April 5, 2023).
138. Skelton, M. and Pais, M. (2023) *Team topologies, Team Topologies*. At: <https://teampatterns.com/> (Accessed: April 5, 2023).
139. Appelo, J. (2023) *Versatile Organization Design*, unFIX. At: <https://unfix.com/> (Accessed: April 5, 2023).
140. Merel, P. (2023) *Xscale Alliance, XSCALE Alliance*. At: <https://xscale>



- alliance.org/#manifesto* (Accessed: April 5, 2023).
141. Schwaber, K. et al. (2021) *Online nexus guide*, Scrum.org. At: <https://www.scrum.org/resources/online-nexus-guide> (Accessed: April 5, 2023).
  142. Quartel, R. et al. (2024) *FaST guide*, Fluid Scaling Technology. At: <https://www.fastagile.io/> (Accessed: December 6, 2023).
  143. Ramos, C. and Pavlichenko, I. (2023) *Creating agile organizations, Creating Agile Organizations*. At: <https://creatingagileorganizations.com/> (Accessed: April 15, 2023).
  144. Larman, C. & Vodde, B. (2025) *LeSS (Large-Scale Scrum) Framework*. Available at: <https://less.works/less/framework> (Accessed: 8 June 2025)
  145. Flight Levels GmbH (2025) *Flight Levels Framework*. Available at: <https://www.flightlevels.io/what-is-flight-levels/> (Accessed: 8 June 2025).
  146. Krivitsky, A. and Flemm, R. (2022) *Org topologies, Org Topologies*. At: <https://www.orgtopologies.com/> (Accessed: April 4, 2023).
  147. Singh, P. (2023) *Scaling Simplified: A Practitioner's Guide to Scaling Flow*. Florida: Self-published. Available at: <https://leanpub.com/scalingsimplified> (Accessed: 8 June 2025)
  148. Davies, Dan. (2025) *The Unaccountability Machine: Why Big Systems Make Terrible Decisions—and How the World Lost Its Mind*. London: Profile Books Ltd. (Paperback edition).
  149. Stripe (2025) 'Sir Jony Ive and Patrick Collison Fireside Chat | Stripe Sessions 2025', YouTube video, 8 May. Available at: [https://youtu.be/wLb9g\\_8r-mE?si=1rEJxU0sxixvblQ3&t=1390](https://youtu.be/wLb9g_8r-mE?si=1rEJxU0sxixvblQ3&t=1390) (Accessed: 8 June 2025)