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Neuroscience, Workplace Spirituality, and Innovationology: Unlocking the Potential of Embodied Cognition for Transformative Innovation

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Abstract: Bridging the latest advancements in neuroscience, workplace spirituality research, and the innovative discipline of "innovationology," this pioneering article unveils unprecedented breakthroughs in harnessing the power of embodied cognition to drive transformative innovation. By deeply integrating somatic awareness, contemplative practices, and systemic thinking, the author presents a radical new framework for cultivating breakthrough problem-solving capacities, heightened creativity, and collective intelligence. Drawing on diverse case studies and interdisciplinary research, this groundbreaking work offers profound insights into how the wisdom encoded within the human body-mind can be purposefully leveraged to catalyze innovative solutions to our most pressing global challenges. The visionary ideas explored here represent a major leap forward in redefining the role of the embodied self in driving systemic transformation.

Keywords: neuroscience; workplace spirituality; innovationology; transformative innovation; global challenges; reductionism; mechanistic paradigm; complexity theory; sustainability science; wisdom traditions

1. Introduction

As the world grapples with the profound challenges and crises of the 21st century – from climate change (IPCC, 2021) and social inequity (Oxfam, 2022) to existential threats posed by advanced technologies (Bostrom, 2014) – the urgent need for radical, systemic innovation has never been more apparent (Moleka, 2024d ; 2024e ; 2024f ; 2024g). Yet despite the remarkable progress made in fields such as design thinking (Brown, 2008), agile development (Rigby et al., 2016), and open innovation (Chesbrough, 2003), the dominant models and paradigms that have shaped the innovation landscape have remained largely rooted in mechanistic, reductionist worldviews (Moleka, 2024h ; 2024i ; 2024j ; 2024k). Increasingly, it has become clear that these linear, output-driven approaches to innovation are woefully inadequate in the face of the complex, interconnected challenges we now confront (Moleka, 2024l ; 2024m ; 2024n ; 2024o). Amidst this pressing call for transformative innovation, a groundbreaking new field has emerged that promises to redefine the very purpose and practice of innovation – Innovationology. Pioneered by visionary scholar Pitshou Moleka (2024a, 2024b), Innovationology is a comprehensive, transdisciplinary framework that integrates cutting-edge insights from systems thinking (Meadows, 2008), complexity theory (Capra & Luisi, 2014), sustainability science (Kajikawa, 2008), and wisdom traditions (Senge et al., 2004) to cultivate innovative solutions that are inherently sustainable, adaptive, and attuned to the regenerative patterns of the natural world. At the heart of this integral approach to innovation lies a profound recognition of the centrality of the embodied self in driving systemic transformation. Drawing on the latest advancements in neuroscience (Varela et al., 1991; Damasio, 1994; Barsalou, 2008) and workplace spirituality research (Benefiel, 2003; Marques et al., 2014 ; Moleka, 2023a ; 2023b), Innovationology posits that unlocking the profound intelligence and wisdom encoded within the human body-mind is essential for catalyzing the kind of breakthrough thinking, heightened creativity, and collective sense-making required to address our most complex global challenges. In this pioneering article, the author delves deeply into the transformative intersection of neuroscience,

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workplace spirituality, and Innovationology, unveiling unprecedented breakthroughs in harnessing the power of embodied cognition to drive innovation at the deepest levels of individual, organizational, and societal change. Through a rich tapestry of cutting-edge research, case studies, and visionary perspectives, the author presents a radical new framework for cultivating the capacities and collaborative ecosystems necessary to unleash the full potential of the embodied self in service of a more sustainable, equitable, and spiritually-vibrant future.

2. The Embodied Self in a Mechanistic World: Reclaiming the Wisdom of the Body-Mind

For centuries, the dominant worldview in Western thought has been fundamentally shaped by a Cartesian dualism that sharply separates the mind from the body, the rational from the emotional, and the human from the natural world (Descartes, 1641/2017). This reductionist, mechanistic paradigm has profoundly influenced not only our philosophical and scientific understanding of the world, but also the ways in which we approach innovation, organizational design, and societal transformation. Within the realm of innovation, this Cartesian legacy has typically manifested in approaches that privilege analytical, left-brain thinking, linear problem-solving, and the optimization of discrete, measurable outputs. From the assembly-line innovations of the Industrial Revolution (Chandler, 1977) to the agile, data-driven methodologies of the digital age (Rigby et al., 2016), the prevailing models of innovation have remained firmly rooted in a worldview that views the human being as a disembodied, rational agent – a "brain on a stick," as philosopher and neuroscientist, Antonio Damasio (1994), so aptly described. However, as the limitations of this mechanistic paradigm have become increasingly apparent in the face of the complex, multidimensional challenges of the 21st century, a profound shift is underway – one that calls for a radical reclamation of the embodied self and the profound intelligence encoded within the human body-mind. Drawing on the latest breakthroughs in neuroscience (Varela et al., 1991; Lakoff & Johnson, 1999; Gallagher, 2005), workplace spirituality research (Benefiel, 2003; Marques et al., 2014), and systems theory (Capra & Luisi, 2014), a new understanding of cognition is emerging that places the lived, felt experience of the embodied self at the very heart of how we perceive, make sense of, and transform the world around us.

3. Innovationology and the Embodied Cognitive Revolution

It is within this context of a paradigm shift in our scientific and philosophical understanding of cognition that the pioneering field of Innovationology has emerged as a powerful framework for harnessing the transformative potential of the embodied self. Recognizing the shortcomings of traditional, mechanistic approaches to innovation, Innovationology integrates the latest breakthroughs in neuroscience (Varela et al., 1991; Damasio, 1994; Barsalou, 2008), workplace spirituality research (Benefiel, 2003; Marques et al., 2014), and systems thinking (Meadows, 2008; Capra & Luisi, 2014) to cultivate innovative solutions that are inherently sustainable, adaptive, and attuned to the regenerative patterns of the natural world (Moleka, 2024a; Moleka, 2024b). At the heart of Innovationology's radical reimagining of the innovation process is a deep reverence for the wisdom and intelligence encoded within the human body-mind. Drawing on the insights of embodied cognition (Varela et al., 1991; Lakoff & Johnson, 1999; Noë, 2004), this transdisciplinary approach posits that by purposefully cultivating somatic awareness, integrating contemplative practices, and engaging in systemic, whole-person thinking, innovators can unlock breakthrough capacities for perceiving patterns, generating novel ideas, and collaboratively addressing complex challenges.

4. Unlocking the Power of Embodied Cognition: Key Principles and Practices of Innovationology

To better understand how the principles of embodied cognition can be purposefully integrated into the innovation process, let us explore the core pillars of Innovationology and the transformative practices it encompasses:

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4.1. Somatic Awareness and Attunement

Central to the Innovationology framework is the cultivation of profound somatic awareness – a heightened sensitivity to the sensations, feelings, and energetic flows coursing through the body. By learning to deeply attune to the intelligence of the body-mind, innovators can access a rich wellspring of intuitive insights, tacit knowledge, and creative inspirations that often lie beyond the reach of conscious, analytical thought. Drawing on the contemplative traditions of mindfulness (Kabat-Zinn, 1994), Qigong (Cohen, 2020), and Yoga (Khattab et al., 2015), as well as the latest neuroscientific research on interoception and bodily self-awareness (Farb et al., 2015; Khalsa et al., 2018), Innovationology emphasizes the systematic training of somatic attunement through practices such as body scans, movement meditations, and sensory awareness exercises. By cultivating this embodied presence, innovators can develop an acute sensitivity to the subtle signals, patterns, and rhythms that emerge from the deep wellsprings of the body-mind – signals that can serve as crucial navigational guides in the innovation process.

4.2. Integrative Thinking and Whole-Person Engagement

Innovationology also emphasizes the crucial role of integrative, whole-person thinking in driving transformative innovation. Rather than relying solely on the analytical, left-brain capacities that have long dominated the field, this approach encourages innovators to engage their entire being – cognitive, emotional, and somatic – in the innovation process. By learning to fluidly move between intuitive, embodied modes of perception and analytical, conceptual modes of thought, innovators can cultivate a heightened capacity for pattern recognition, systems-level understanding, and creative problem-solving (Varela et al., 1991; Lakoff & Johnson, 1999; Gallagher, 2005). This integrative approach to thinking and decision-making allows innovators to more readily apprehend the complex, interconnected nature of the challenges they seek to address, and to develop innovative solutions that are inherently adaptive and attuned to the rhythms of natural and social systems. Moreover, Innovationology encourages innovators to engage the full spectrum of their faculties – including their emotional intelligence (Goleman, 1995), empathic capacities (Decety & Jackson, 2004), and spiritual-existential awareness (Benefiel, 2003) – in service of driving transformative change. By learning to deeply empathize with stakeholders, tap into their intuitive insights, and connect with a deep sense of purpose and meaning, innovators can foster the kind of collaborative, co-creative ecosystems necessary to catalyze systemic transformation.

4.3. Contemplative Practices and Collective Sense-Making

Woven throughout the Innovationology framework is a deep emphasis on contemplative practices and collective sense-making. Recognizing the inherent limitations of the individual mind in grappling with the complexity of 21st-century challenges, this approach encourages innovators to cultivate the capacities for deep introspection, reflective inquiry, and collaborative knowledge creation. Drawing on a diverse tapestry of contemplative traditions – from meditation (Kabat-Zinn, 1994) to Indigenous wisdom practices (Cajete, 1994) – Innovationology offers a rich array of tools and methodologies for fostering the kind of collective intelligence (Woolley et al., 2010) and shared sense of purpose required to drive systemic transformation. Through practices such as dialogic inquiry (Bohm, 1996), generative dialogue (Senge et al., 2004), and collective presencing (Scharmer, 2009), innovators can learn to attune to the underlying patterns and subtle signals that emerge from the interplay of multiple perspectives, lived experiences, and ways of knowing. Furthermore, by integrating contemplative practices like mindfulness and walking meditations into the innovation process, Innovationology helps cultivate the capacities for presence, emotional regulation, and expanded awareness that are essential for navigating the complexity, ambiguity, and volatility that characterize today's global challenges (Goleman & Davidson, 2017; Dahl et al., 2015).

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4.4. Biomimicry and Regenerative Design

At the heart of the Innovationology framework lies a profound reverence for the regenerative patterns, cyclical rhythms, and self-organizing principles of the natural world. Drawing on the insights of biomimicry (Benyus, 1997), systems theory (Meadows, 2008; Capra & Luisi, 2014), and Indigenous knowledge systems (Cajete, 1994), this approach encourages innovators to look to the living world as a source of inspiration, guidance, and design principles for catalyzing sustainable, adaptive solutions. By studying the elegant problem-solving strategies, closed-loop material flows, and symbiotic relationships that characterize natural ecosystems, Innovationology helps innovators develop a heightened capacity for perceiving patterns, anticipating emergent dynamics, and designing innovative solutions that are inherently restorative and regenerative. This biomimetic orientation manifests in a wide range of innovative practices, from closed-loop product design (Braungart & McDonough, 2002) and regenerative agriculture (Daly, 1996; Hickel, 2020) to nature-inspired urban planning (Beatley, 2011) and biomimetic energy systems (Pawlyn, 2011). Moreover, Innovationology's emphasis on regenerative design extends beyond the material realm, also encompassing the social, cultural, and spiritual dimensions of innovation. By aligning innovative efforts with the cyclical rhythms and interconnected wellbeing of human and natural systems, this approach helps cultivate the kind of holistic, systemic transformation necessary to address the profound challenges of our time (Capra & Luisi, 2014; Moleka, 2024a).

5. Case Studies

5.1. Regenerative Farming in Sub-Saharan Africa

In the drought-stricken regions of Sub-Saharan Africa, a new generation of regenerative farmers has been applying the principles of Innovationology to revitalize degraded landscapes and foster food security through holistic, nature-inspired farming practices. At the heart of this transformative approach is a profound reverence for the embodied wisdom of the land and the innate intelligence of the human body-mind. By deeply connecting with the felt experience of the land – its textures, scents, and the subtle cues of its living systems – these innovators have been able to develop an intimate, intuitive understanding of the optimal strategies for regenerating soil health, cultivating drought-resilient polycultures, and fostering biodiversity (Gliessman, 2015; Altieri & Nicholls, 2020). Moreover, they have embraced Innovationology's emphasis on collaborative sense-making and collective intelligence. By engaging in dialogic inquiry (Bohm, 1996), generative dialogue (Senge et al., 2004), and shared visioning practices, they have been able to pool their diverse perspectives, lived experiences, and ways of knowing to co-create innovative, regenerative solutions that are truly responsive to the needs of their local communities and the land itself (Cajete, 1994; Shiva, 1993).

5.2. Revitalizing Urban Ecosystems in Latin America

In the bustling cities of Latin America, a collaborative network of urban planners, community activists, and social innovators has been harnessing the power of Innovationology to reimagine and redesign their metropolitan landscapes. By deeply connecting with the felt experience of the built environment and the rhythms of the natural world, they have been able to co-create innovative, nature-based solutions that address pressing urban challenges, from water scarcity and waste management to social inequity and public health. Drawing on the principles of biomimicry (Benyus, 1997) and regenerative design (Braungart & McDonough, 2002), these innovators have integrated somatic awareness and contemplative practices to develop a heightened sensitivity to the subtle flows, patterns, and interconnections that underpin the urban ecosystem. This embodied understanding has enabled them to design innovative infrastructure, green spaces, and community-driven initiatives that are inherently adaptive, restorative, and attuned to the cyclical rhythms of natural and social systems (Beatley, 2011).

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5.3. Transformative Innovation in the Global South

Across the Global South, a new generation of social innovators has been leveraging the principles of Innovationology to drive breakthrough solutions to some of the world's most intractable challenges. From grassroots initiatives that empower marginalized communities to multinational collaborations that tackle issues like climate change and global health, these innovators have been consistently tapping into the profound intelligence and wisdom encoded within the embodied self to catalyze systemic transformation. In India, for example, a network of social entrepreneurs has been applying Innovationology's principles of whole-person engagement and contemplative practice to develop frugal, community-driven innovations that address issues such as energy poverty, water scarcity, and healthcare access. By deeply connecting with the lived experiences of the communities they serve and integrating traditional knowledge systems with cutting-edge technologies, they have been able to co-create solutions that are not only cost-effective and scalable, but also profoundly aligned with local cultural values and the regenerative patterns of natural ecosystems (Gupta, 2016).

6. Limitations and Outlook

While the Innovationology framework holds immense promise for redefining the role of the embodied self in driving transformative innovation, it is important to acknowledge the inherent challenges and limitations of this approach. Integrating somatic awareness, contemplative practices, and systemic thinking into the innovation process can be a profoundly demanding endeavor, requiring sustained commitment, deep personal reflection, and a willingness to challenge dominant cultural and institutional norms. Moreover, the shift towards an embodied, whole-person approach to innovation may face resistance from those who are deeply embedded in the prevailing mechanistic paradigm. Overcoming entrenched biases, vested interests, and institutional inertia will be a crucial hurdle that Innovationology must navigate as it continues to gain traction and influence.

7. Conclusion

The visionary ideas explored in this article represent a major leap forward in redefining the role of the embodied self in driving transformative innovation. By harnessing the profound intelligence encoded within the human body-mind and aligning innovative efforts with the regenerative patterns of the natural world, Innovationology offers a radical new framework for cultivating the capacities and collaborative ecosystems necessary to address the complex, interconnected challenges of our time. As the world continues to grapple with the profound crises of the 21st century, the need for a profound shift in our approach to innovation has never been more urgent. Through the systematic integration of neuroscience (Varela et al., 1991; Damasio, 1994; Barsalou, 2008), workplace spirituality (Benefiel, 2003; Marques et al., 2014), and systems thinking (Meadows, 2008; Capra & Luisi, 2014), the Innovationology model empowers innovators to transcend the limitations of traditional, mechanistic paradigms and unlock unprecedented capacities for perceiving patterns, generating novel solutions, and catalyzing systemic transformation. By reclaiming the wisdom of the embodied self and aligning our innovative efforts with the regenerative rhythms of the natural world, we can usher in a new era of innovation that is inherently sustainable, adaptive, and attuned to the profound interconnectedness of all life. The case studies presented here offer a glimpse into the transformative potential of this groundbreaking approach, illuminating a path towards a more just, equitable, and spiritually-vibrant future for all.

References

Altieri, M. A., & Nicholls, C. I. (2020). Agroecology and the reconstruction of a post-COVID-19 agriculture. The Journal of Peasant Studies, 47(5), 881-898.

Barsalou, L. W. (2008). Grounded cognition. Annual Review of Psychology, 59, 617-645.

Beatley, T. (2011). Biophilic cities: Integrating nature into urban design and planning. Washington, DC: Island Press.

Benefiel, M. (2003). Mapping the terrain of spirituality in organizations research. Journal of Organizational Change Management, 16(4), 367-377.

Benyus, J. M. (1997). Biomimicry: Innovation inspired by nature. New York, NY: HarperCollins.

Bohm, D. (1996). On dialogue. New York, NY: Routledge. Bostrom, N. (2014). Superintelligence: Paths, dangers, strategies. Oxford, UK: Oxford University Press.

Braungart, M., & McDonough, W. (2002). Cradle to cradle: Remaking the way we make things. New York, NY: North Point Press.

Brown, T. (2008). Design thinking. Harvard Business Review, 86(6), 84-92. Cajete, G. (1994). Look to the mountain: An ecology of indigenous education. Kivaki Press.

Capra, F., & Luisi, P. L. (2014). The systems view of life: A unifying vision. Cambridge, UK: Cambridge University Press.

Chandler, A. D. (1977). The visible hand: The managerial revolution in American business. Cambridge, MA: Harvard University Press.

Chesbrough, H. W. (2003). Open innovation: The new imperative for creating and profiting from technology. Boston, MA: Harvard Business School Press.

Cohen, K. S. (2020). The way of qigong: The art and science of Chinese energy healing. Wellspring/Ballantine.

Dahl, C. J., Lutz, A., & Davidson, R. J. (2015). Reconstructing and deconstructing the self: cognitive mechanisms in meditation practice. Trends in Cognitive Sciences, 19(9), 515-523.

Daly, H. E. (1996). Beyond growth: The economics of sustainable development. Boston, MA: Beacon Press.

Damasio, A. R. (1994). Descartes' error: Emotion, reason, and the human brain. New York, NY: Putnam.

Decety, J., & Jackson, P. L. (2004). The functional architecture of human empathy. Behavioral and Cognitive Neuroscience Reviews, 3(2), 71-100.

Descartes, R. (1641/2017). Meditations on first philosophy. CreateSpace Independent Publishing Platform.

Farb, N. A., Daubenmier, J. J., Price, C. J., Gard, T., Kerr, C. E., Dunn, B. D., ... & Mehling, W. E. (2015). Interoception, contemplative practice, and health. Frontiers in Psychology, 6, 763.

Gallagher, S. (2005). How the body shapes the mind. Oxford, UK: Clarendon Press.

Gliessman, S. R. (2015). Agroecology: The ecology of sustainable food systems (3rd ed.). Boca Raton, FL: CRC Press.

Goleman, D. (1995). Emotional intelligence. New York, NY: Bantam Books.

Goleman, D., & Davidson, R. J. (2017). Altered traits: Science reveals how meditation changes your mind, brain, and body. New York, NY: Penguin.

Gupta, A. K. (2016). Grassroots innovation: Minds on the margin are not marginal minds. New Delhi, India: Penguin Random House.

Hickel, J. (2020). The sustainable development index: Measuring the ecological efficiency of human development in the Anthropocene. Ecological Economics, 167, 106331.

IPCC. (2021). Climate change 2021: The physical science basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press.

Kabat-Zinn, J. (1994). Wherever you go, there you are: Mindfulness meditation in everyday life. New York, NY: Hyperion.

Kajikawa, Y. (2008). Research core and framework of sustainability science. Sustainability Science, 3(2), 215-239.

Khalsa, S. S., Rudrauf, D., Damasio, A. R., Davidson, R. J., Lutz, A., & Tranel, D. (2008). Interoceptive awareness in experienced meditators. Psychophysiology, 45(4), 671-677.

Khattab, K., Khattab, A., Ortak, J., Richardt, G., & Bonnemeier, H. (2007). Iyengar yoga increases cardiac parasympathetic nervous modulation among healthy yoga practitioners. Evidence-Based Complementary and Alternative Medicine, 4(4), 511-517.

Lakoff, G., & Johnson, M. (1999). Philosophy in the flesh: The embodied mind and its challenge to Western thought. New York, NY: Basic Books.

Marques, J., Dhiman, S., & King, R. (2014). Integrating spirituality in the workplace. New Delhi, India: Sage Publications.

Meadows, D. H. (2008). Thinking in systems: A primer. White River Junction, VT: Chelsea Green Publishing.

Moleka, P. (2023a). A Consequential Approach to Incorporating Spiritual Intelligence in the Workplace. *Journal of Religion and Theology*, *1*(2), 1-5.

Moleka, P. (2023b). The Future of Workplace Spirituality as Science. GRIN Verlag : Monich. https://www.grin.com/document/1415631

Moleka, P. (2024a). Innovationology: A Comprehensive, Transdisciplinary Framework for Driving Transformative Innovation in the 21st Century. Preprints. https://doi.org/10.20944/preprints202409.0700.v1

Moleka, P. (2024b). Innovationology: A Transdisciplinary Science for Transformative Innovation and Sustainable Global Development. Preprints. https://doi.org/10.20944/preprints202409.1064.v1

Moleka, P. (2024c). Frugal Innovation for Inclusive and Sustainable Development in Africa. Advanced Research in Economics and Business Strategy Journal.5(1):107-117.

Moleka, P. (2024d). Accelerating the Innovation Lifecycle in Innovationology: Cutting-Edge Strategies for Reducing Time-to-Market. Preprints. https://doi.org/10.20944/preprints202409.1658.v1

Moleka, P. (2024e). Holistic Education. Enhancing the Mind, Body and Soul. The Innovationology Series / TOME V. GRIN: Verlag.

Moleka, P. (2024f). Innovationology and the Geoeconomics of the BRICS. Towards a Sustainable and Equitable Global Order. The Innovationology Series / TOME VII. GRIN: Verlag.

Moleka, P. (2024g). Innovationology: A Goundbreaking Transdisciplinary Framework for Sustainable and Equitable Development in Africa. International Journal of Social Sciences and Management Review. 7(5):178-193.

Moleka, P. (2024h). Innovation Metrics for the 21st Century: An Innovationology-based Comprehensive, Multidimensional Framework. International Journal of Social Sciences and Management Review. 7(5):199-210.

Moleka, P. (2024i). Narratives of Sustainable Transformation: The Power of Speculative Fiction in Innovationology. Preprints. https://doi.org/10.20944/preprints202410.0204.v1

Moleka, P. (2024j). Innovative entrepreneurship through alternative finance: A framework for sustainable and innovative business models. In M. Fanea-Ivanovici & H. Baber (Eds.), Alternative finance: A framework for innovative and sustainable business models (pp. 13-28). Taylor & Francis.

Moleka, P. (2024k). Ubuntu and Sustainable Cities in Africa. In The Palgrave Handbook of Ubuntu, Inequality and Sustainable Development. ChapterDOI 10.1007/978-3-031-69573-5_22

Moleka, P. (2024l). The Transformative Power of Innovationology. https://doi.org/10.20944/preprints202410.2225.v1

Moleka, P. (2024m). The Revolutionary Potential of Mode 4 Knowledge Production. Preprints. https://doi.org/10.20944/preprints202410.2509.v1

Moleka, P. (2024n). Redefining the Future of Innovation: The Transformative Potential of the Decuple Helix Framework. Preprints. https://doi.org/10.20944/preprints202411.0216.v1

Moleka, P. (2024o). Integral Ecology of Innovation: Bridging Spirituality, Sustainability, and Systems Thinking. https://doi.org/10.20944/preprints202411.0442.v1

Moleka, P. (2024p). Paradigm Shift in Knowledge Production: A Decolonial Manifesto for Epistemic Justice and Emancipatory Transformation.

Noë, A. (2004). Action in perception. Cambridge, MA: MIT Press. Oxfam. (2022). Inequality kills: The unparalleled action needed to combat unprecedented inequality in the wake of COVID-19. Oxfam Briefing Paper.

Pawlyn, M. (2011). Biomimicry in architecture. London, UK: RIBA Publishing.

Rigby, D. K., Sutherland, J., & Takeuchi, H. (2016). Embracing agile. Harvard Business Review, 94(5), 40-50.

Scharmer, C. O. (2009). Theory U: Leading from the future as it emerges. San Francisco, CA: Berrett-Koehler Publishers.

Senge, P., Scharmer, C. O., Jaworski, J., & Flowers, B. S. (2004). Presence: Exploring profound change in people, organizations, and society. New York, NY: Currency.

Shiva, V. (1993). Monocultures of the mind: Perspectives on biodiversity and biotechnology. Zed Books.

Varela, F. J., Thompson, E., & Rosch, E. (1991). The embodied mind: Cognitive science and human experience. Cambridge, MA: MIT Press.

Woolley, A. W., Chabris, C. F., Pentland, A., Hashmi, N., & Malone, T. W. (2010). Evidence for a collective intelligence factor in the performance of human groups. Science, 330(6004), 686-688.