GFC 22

Taking Responsibility for Clothing Waste: Learnings from a Global Scan

Annastasia Bousgas

Queensland University of Technology, Australia

Page Street

Queensland University of Technology, Australia

Alice Payne

Queensland University of Technology, Australia

Rowena Maguire

Queensland University of Technology, Australia

Abstract

Purpose: This paper examines how product stewardship and extended producer responsibility schemes are deployed around the world in the transition to a circular economy for fashion.

Design/methodology/approach: Analysis of initiatives in 12 jurisdictions across 4 continents through desktop research, employing the lens of responsive regulatory theory.

Findings: Numerous voluntary initiatives with PS characteristics operate at a pilot or regional scale, with the most impactful being those that are closely tailored to country context and engaging stakeholders across the value chain. Although only one mandatory EPR scheme is in operation, others are in development.

Practical implications: Arguing for a place-based approach closely attuned to the local context, the paper applies regulatory theory to propose sanctions and supports that may be progressively employed to strengthen regulation over time.

Originality/value: This paper offers a global look at initiatives for clothing waste management, and contributes to scholarship on how theories of circularity, responsibility and stewardship are applied and practiced around the world.

Keywords: fashion, clothing, circular economy, regulation, global, local, textile waste, product stewardship, extended producer responsibility.

DOI: 10.57649/GFC.978-989-54263

ISBN: 978-989-54263-3-1

References

- Ahiable, K. and Triki, C. (2021), "Tackling Ghana's Textile-Waste Challenge", available at: https://institute.global/sites/default/files/articles/Tackling-Ghana-s-Textile-Waste-Challenge.pdf (Accessed September 25 2022).
- Australian Fashion Council. (2022), "Product Stewardship", available at: https://ausfashioncouncil.com/product-stewardship/ (Accessed September 25 2022).
- Ayres, I. and Braithwaite, J. (1992), Responsive Regulation: Transcending the Deregulation Debate, Oxford University Press, New York.
- Baldwin, R., Cave, M. and Lodge, M. (2012), Understanding Regulation: Theory, Strategy, and Practice, Oxford University Press, Oxford.
- Black, J. (2001), "Decentring Regulation: Understanding the Role of Regulation and Self-Regulation in a 'Post-Regulatory' World", Current Legal Problems, 54(1), pp. 103–146.
- Braithwaite, J. (2022). "Responsive Regulation", available at: http://johnbraithwaite.com/responsive-regulation/ (Accessed September 25 2022).
- Bryshes, T. and Florin, N. (2021), "Overcoming Free-riders: strategies to maximise industry participation", available at: https://stewardshipexcellence.com.au/wp-content/uploads/2021/09/White-Paper-Overcoming-Freeriders-September-2021.pdf. (Accessed September 30 2022.
- Campbell-Johnston, K. *et al.* (2021), "Future perspectives on the role of extended producer responsibility within a circular economy: A Delphi study using the case of the Netherlands", *Business Strategy and the Environment*, 30(8), pp. 4054–4067.
- Canadian Council of Ministers of the Environment (CCME). (2009), "Canada-White Action Plan for Extended Producer Responsibility", available at: https://www.ccme.ca/en/res/cap-epr e.pdf (Accessed September 25 2022).
- Charles, M. (2021), "South African wins R1.19m for her recycling start-up", available at: https://www.news24.com/news24/southafrica/news/feel-good-south-african-wins-r119m-for-her-recycling-start-up-20211026. (Accessed September 25 2022).
- Clark, H. (2008), "SLOW + FASHION-an Oxymoron-or a Promise for the Future ...?", Fashion Theory, 12(4), pp. 427–446.
- Cornish, N. (2020), "Redress Call for Government Policies Addressing Textile Waste", available at: https://www.redress.com.hk/updates/2020/11/4/redress-call-for-government-policies-addressing-textile-waste. (Accessed September 25 2022).
- Cramer, J. (2022), Building a circular future; ten takeaways for global changemakers, Circular Economy Europe.
- Eileen Fisher Foundation and Pentatonic. (2022), "Hey Fashion: Fashion's Waste Crisis and How to Solve it", available at: https://www.heyfashion.org/report. (Accessed September 25 2022).

- Ellen MacArthur Foundation. (2019), "The #WearNext campaign: New York City", available at: https://www.ellenMacArthurfoundation.org/case-studies/city-and-industry-in-collaboration-to-save-clo thes-from-landfill. (Accessed September 25 2022).
- European Parliament and Council (2008), "Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives", available at http://data.europa.eu/eli/dir/2008/98/2018-07-05/eng (accessed 30 September 2022).
- European Parliament and Council (1994), "Directive 94/62/EC of 20 December 1994 on packaging and packaging waste", available at: http://data.europa.eu/eli/dir/1994/62/oj/eng (accessed: 30 September 2022).
- Fashion for Good. (2021), "New Consortium Project Aims To Build A New Textile Waste Value Chain in India", available at https://fashionforgood.com/our_news/fashion-for-good-launches-the-sorting-for-circularity-india-project/. (Accessed September 25 2022).
- Fashion Takes Action. (2022), "Circularity", available at: https://fashiontakesaction.com/circularity. (Accessed September 25 2022).
- Gibson-Graham, J. K. (2008), "Diverse economies: performative practices from 'other worlds'", Progress in human geography, 32(5), pp. 613-632.
- Global Fashion Agenda. (2022), "Circular Fashion Partnership", available at: https://globalfashionagenda.org/circular-fashion-partnership/. (Accessed September 25 2022).
- Godfrey, L. and Oelofse, S. (2017), "Historical Review of Waste Management and Recycling in South Africa", Resources 6(4), pp. 57-70.
- Government of the Netherlands. (2020), "C-233 Green Deal on Circular Denim "Denim Deal", available at: https://www.government.nl/documents/reports/2020/10/29/c-233-green-deal-on-circular-denim-denim-deal. (Accessed September 25 2022).
- Gunningham, N. (2020), "Sustainable Finance in Australia: Compliance, Enforcement and Surrogate Regulation", Environmental and Planning Law Journal, 37(5), pp. 585-590.
- Gunningham, N. and Holley, C. (2016), "Next-Generation Environmental Regulation: Law, Regulation, and Governance", Annual Review of Law and Social Science, 12(1), pp. 273–293.
- Gunningham, N. and Sinclair, D. (1999), "Regulatory Pluralism: Designing Policy Mixes for Environmental Protection", Law & Policy 21, pp. 49-76.
- Gunningham, N. and Grabosky, P. (1998), Smart Regulation: Designing Environmental Policy, Clarendon Press, New York.
- Hurley, S. (2021), "Giving BC textiles a second life: Return-It Textiles & Salvation Army", available at: https://www.return-it.ca/blog/textiles-sa/. (Accessed September 25 2022).
- Karidis, A. (2022), "California Launches Innovative Textiles Circularity Projects: Part 1", available at: https://www.waste360.com/textile/california-launches-innovative-textiles-circularity-projects-part-1. (Accessed September 25 2022).
- Kirchherr, J., Reike, D. and Hekkert, M. (2017), "Conceptualizing the Circular Economy: An Analysis of 114 Definitions", Resources, Conservation & Recycling 127, pp. 221-232.

- Lewis, H. (2005), "Defining Product Stewardship and Sustainability in the Australian Packaging Industry", Environmental Science & Policy, 8, pp. 45-55.
- Manieson, L., Payne, A. and Ferrero-Regis, T. (2022), "Unravelling the media representation of circular economy for fashion education", International Journal of Fashion Design, Technology and Education, 14(3), pp. 338-347.
- Manieson, L. and Ferrero-Regis, T. (2021), "Castoff from the West, pearls in Kantamanto?: A critique of second-hand clothes trade", Journal of industrial ecology, in press.
- Meadows, D., Meadows, D. and Randers, J. (1992), Beyond the Limits: Confronting Global Collapse Envisioning a Sustainable Future, Chelsea Green Publishing Company.
- McDonough, W. and Braungart, M. (2002), "Cradle to cradle: Remaking the way we make things", North Point Press, New York.
- Mohanty, C. (2003), "Feminism without borders: Decolonising theory, practicing solidarity", Duke University Press, London.
- Mohlatlole, K. (2020), "Sustainability is decolonisation: an interview with textile recycler Rewoven Co", available at: https://bubblegumclub.co.za/fashion/sustainability-is-decolonisation-an-interview-with-textile-recycler-rewoven-co/. (Accessed September 25 2022).
- Mowbray, J. (2021), "Dutch minister proposes EPR for textiles", available at: https://www.ecotextile.com/2021052127828/labels-legislation-news/dutch-minister-proposes-epr-for-textiles.html. (Accessed September 25 2022).
- Nollkaemper, A. (2018) "The duality of shared responsibility", Contemporary Politics, 24(5), pp. 524–544.
- OECD. (2016). "20 Yeas of EPR in France: Achievement, lessons learned and challenges ahead", OECD (Ed.), Extended Producer Responsibility: Updated Guidance for Efficient Waste Management, OECD Publishing, Paris, pp. 249-256.
- OECD. (2001), "Extended Producer Responsibility A guidance Manual for Governments", available at https://www.oecd-ilibrary.org/environment/extended-producer-responsibility_9789264189867-en (accessed 29 September 2022).
- The OR Foundation. (2022), "Work", available at: https://theor.org/work. (Accessed September 25 2022).
- Parker, C and Organisation for Economic Co-operation and Development (OECD). (2000), "Reducing the Risk of Policy Failure: Challenges for Regulatory Compliance", available at: https://www.oecd.org/gov/regulatory-policy/46466287.pdf (accessed 27 September 2022).
- Payne, A. (2015), "Open- and closed loop recycling of textiles and apparel products" In Subramanian, M. (Ed.), Handbook of life cycle assessment (LCA) of textiles and clothing, Woodhead Publishing, Amsterdam, pp. 103-123.
- Payne, A. and Mellick, Z. (2022), "Tackling Overproduction? The Limits of Multistakeholder Initiatives in Fashion", International Journal of Crime, Justice and Social Democracy, 11(2), pp. 30-46.
- Real, M., Lizarralde, I. and Tyl, B. (2020), "Exploring Local Business Model Development for Regional Circular Textile Transition in France", Fashion Practice, 12(1), pp. 6–33.
- Redress. (2022), "Our Work", available at: https://www.redress.com.hk/our-work. (Accessed September 25 2022).

- Riello, G. (2020), Back in fashion: Western fashion from the middle ages to the present, Yale University Press, New Haven.
- RREUSE. (2020), "Extended Producer Responsibility and the role of the social economy re-use operators: Implementing a socially inclusive waste hierarchy", available at: https://rreuse.org/wp-content/uploads/rreuse-position-paper-on-epr-final.pdf. (Accessed September 25 2022).
- Sachdeva, A., Araujo, A. and Hirschnitz-Garbers, M. (2021), "Extended Producer Responsibility and Ecomodulation of Feed. Opportunity: Ecomodulation of Fees as a Way Forward for Waste Prevention", available at: https://www.ecologic.eu/sites/default/files/publication/2021/50052-Extended-Producer-Responsibility-and-ecomodulation-of-fees-web.pdf. (Accessed September 25 2022).
- Swedish Government. (2020), "Producentansvar för textil en del av den cirkulära ekonomin", available at: https://www.regeringen.se/rattsliga-dokument/statens-offentliga-utredningar/2020/12/sou-202072/. (Accessed September 25 2022).
- Sympany. (2022), "About us", available at: https://www.sympany.nl/#. (Accessed September 25 2022).
- Usedfully. (2022), "Textile Product Stewardship Aotearoa," available at: http://www.textilereuse.com/get-involved/. (Accessed September 25 2022).
- WRAP. (2021), "Textiles 2030: Six Month Progress," available at: https://wrap.org.uk/sites/default/files/2021-10/Textiles%202030%20progress%20report.pdf