

Informações Adicionais

Mapeamento de Ferramentas sobre Economia Circular: Sugestões para Aplicação em Cursos de Engenharia EaD

Mapping Tools for Circular Economy: Suggestions for Application in Distance Learning Engineering Courses

Camila Gonçalves CASTRO¹

Gustavo ROMERO²

Julia Romano SANCHES³

Bruno Noronha RODRIGUES⁴

Gabriel Rodrigues Martins MOREIRA³

Ana Lúcia Gabas FERREIRA³

¹Instituto Federal de Educação, Ciência e Tecnologia de Minas Gerais,

²Universidade de Campinas.

³Universidade de São Paulo.

⁴Instituto Federal de Educação Ciência e Tecnologia do Ceará.

camila.castro@ifmg.edu.br.

ANEXOS

ID	Autor	Ano Title	DOI
1	Franzè C. <i>et al.</i>	2023 "Scale without mass": A decision-making tool for scaling remanufacturing practices in the white goods industry	10.1016/j.jclepro.2023.138078
2	Gobert J.; Allais R.	2020 (Im-)material flow analysis framework implementation on repair and reuse initiatives	10.1051/mattech/2021012
3	Nadeem S.P.; Garza-Reyes J.A.; Anosike A.I.	2023 A C-Lean framework for deploying Circular Economy in manufacturing SMEs	10.1080/09537287.2023.2294307
4	Belaud J.-P.; Adoue C.; Vialle C.; Chorro A.; Sablayrolles C.	2019 A circular economy and industrial ecology toolbox for developing an eco-industrial park	10.1007/s10098-019-01677-1
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5	Reigado, et. al	2017 A Circular Economy toolkit as an alternative to improve the application of PSS methodologies	10.1016/j.procir.2017.03.034
6	Ahmed A.A.; Nazzal M.A.; Darras B.M.; Deiab I.M.	2022 A comprehensive multi-level circular economy assessment framework	10.1016/j.spc.2022.05.025
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7	Fernandez S.; Bodin U.; Synnes K.	2023 A Digital Tool for Analyzing Effects from Regulatory Policies on Environmental Impacts in Supply-Chains	10.1109/IECON51785.2023.10312573
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8	Schoch K.; Hemmert F.; Liedtke C.	2024 A generative toolkit to help raise industrial design students' awareness of low metal recycling rates	10.1017/pds.2024.299
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9	Soto-Paz J.; Hernandez A.; Mejía-Parada C.A.	2023 A Hybrid Decision Tool for Site Selection of Construction and Demolition Waste (CDW) Facilities in Developing Countries	10.1007/s40710-023-00633-y
9	Soto-Paz J.; Hernandez A.; Mejía-Parada C.A.	2023 A Hybrid Decision Tool for Site Selection of Construction and Demolition Waste (CDW) Facilities in Developing Countries	10.1007/s40710-023-00633-y
10	Belhadi, A.; et al,	2022 A self-assessment tool for evaluating the integration of circular economy and industry 4.0 principles in closed-loop supply chains	10.1016/j.ijpe.2021.108372

11	Brown, P.; et al.,	2021	A tool for collaborative circular proposition design	10.1016/j.jclepro.2021.126354
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12	Rexfelt O.; Selvefors A.	2021	A Toolkit for Designing Products and Services Fit for Circular Consumption	10.1007/978-981-15-6775-9_3
13	Pieroni M.P.P.; McAlloone T.C.; Pigozzo D.C.A.	2020	BUSINESS MODEL INNOVATION for CIRCULAR ECONOMY: INTEGRATING LITERATURE and PRACTICE into A PROCESS MODEL	10.1017/dsd.2020.28
14	Machado N.; Morioka S.N.; Gohr C.F.	2024	Can product modularity boost strategies for circular business models? A visual tool proposal representing benefits and barriers considering expert opinion	10.1016/j.jclepro.2024.141522
14	Machado N.; Morioka S.N.; Gohr C.F.	2024	Can product modularity boost strategies for circular business models? A visual tool proposal representing benefits and barriers considering expert opinion	10.1016/j.jclepro.2024.141522
15	Prieto-Sandoval, V.; Meija-Villa, A.; Jaca, C.; Ormazabal, M.	2023	Circular Clock Model for Circular Economy Implementation in Firms: Balance Between Theory and Practice	10.3926/jiem.4009
16	Shevchenko, T.; et al,	2024	Completing the design for product circularity toolkit with hierarchical computation of circularity maturity diagram and redesign circular strategies	10.1016/j.jclepro.2024.140742
17	Gómez L.G.; Luque S.; Gutiérrez A.M.; Arraibi J.R.	2022	Design and development of a tool for selecting operations to obtain biomethane from biogas from different sources	10.2495/EQ-V7-N1-35-47
17	Gómez L.G.; Luque S.; Gutiérrez A.M.; Arraibi J.R.	2022	Design and development of a tool for selecting operations to obtain biomethane from biogas from different sources	10.2495/EQ-V7-N1-35-47
18	Willskytt, S.; Brambila-Macias, SA	2020	Design Guidelines Developed from Environmental Assessments: A Design Tool for Resource-Efficient Products	10.3390/su12124953
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19	Isabelle B.; Laurence H.; Diane D.; Marie-Sophie F.	2022	Design of an assessment tool for implementing assistive technology (AT) reuse programs in France	10.1016/j.rcradv.2022.200094
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20	Gillott, C.; Mihkelson, W.; Lanau, M.; Cheshire, D.; Tingley, DD	2023	Developing regenerate: A circular economy engagement tool for the assessment of new and existing buildings	10.1111/jiec.13377

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20	Gillott, C; Mihkelson, W; Lanau, M; Cheshire, D; Tingley, DD	2023	Developing regenerate: A circular economy engagement tool for the assessment of new and existing buildings	10.1111/jiec.13378
21	Urain I.; Eguren J.A.; Justel D.	2022	Development and validation of a tool for the integration of the circular economy in industrial companies: Case study of 30 companies	10.1016/j.jclepro.2022.133318
21	Urain I.; Eguren J.A.; Justel D.	2022	Development and validation of a tool for the integration of the circular economy in industrial companies: Case study of 30 companies	10.1016/j.jclepro.2022.133318
22	Mesa J.A.; González-Quiroga A.	2023	Development of a diagnostic tool for product circularity: a redesign approach	10.1007/s00163-023-00415-5
23	Ligthart, TN; van Velzen, EUT; Brouwer, M	2019	EnvPack an LCA-based tool for environmental assessment of packaging chains. Part 1: scope, methods and inventory of tool	10.1007/s11367-018-1530-0
23	Ligthart, TN; van Velzen, EUT; Brouwer, M	2019	EnvPack an LCA-based tool for environmental assessment of packaging chains. Part 1: scope, methods and inventory of tool	
24	Ligthart, TN; Ansems, TMM	2019	EnvPack, an LCA-based tool for environmental assessment of packaging chains: Part 2: influence of assessment method on ranking of alternatives	10.1007/s11367-018-1531-z
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25	Saavedra del Oso M.; Regueira A.; Hospido A.; Mauricio-Iglesias M.	2022	Fostering the valorization of organic wastes into carboxylates by a computer-aided design tool	10.1016/j.wasman.2022.02.008
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26	Pigosso, DCA; McAloone, TC	2021	Making the transition to a Circular Economy within manufacturing companies: the development and implementation of a self-assessment readiness tool	10.1016/j.spc.2021.05.011
27	Makropoulos, C; Kritikos, NA; Pantazis, C	2024	Matchmaking for industrial symbiosis: a digital tool for the identification, quantification and optimisation of symbiotic potential in industrial ecosystems	10.3389/fceng.2024.1363888

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27	Makropoulos, C; Kritikos, NA; Pantazis, C	2024	Matchmaking for industrial symbiosis: a digital tool for the identification, quantification and optimisation of symbiotic potential in industrial ecosystems	10.3389/fceng.2024.1363888
28	Valls-Val K.; Ibáñez-Forés V.; Bovea M.D.	2024	Measuring and monitoring the transition to the circular economy of universities: CExUNV	10.1016/j.jenvman.2024.120492
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29	Donati F.; et al,	2021	Modeling the circular economy in environmentally extended input–output: A web application	10.1111/jiec.13046
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31	Ibáñez-Forés V.; Alejandrino C.; Bovea M.D.; Mercante I.	2023	Prioritising organisational circular economy strategies by applying the partial order set theory: Tool and case study	10.1016/j.jclepro.2023.136727
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33	Das, A; Konietzko, J; Bocken, N; Dijk, M	2023	The Circular Rebound Tool: A tool to move companies towards more sustainable circular business models	10.1016/j.rcradv.2023.200185
33	Das, A; Konietzko, J; Bocken, N; Dijk, M	2023	The Circular Rebound Tool: A tool to move companies towards more sustainable circular business models	10.1016/j.rcradv.2023.200185
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34	Rexfelt, O; Selvefors, A	2021	The Use2Use Design Toolkit-Tools for User-Centred Circular Design	10.3390/su13105397
35	van Stijn, A; Gruis, V	2020	Towards a circular built environment: An integral design tool for circular building components	10.1108/SASBE-05-2019-0063
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36	Mallick P.K.; Salling K.B.; Pigozzo D.C.A.; McAloone T.C.	Towards a circular economy: Development of a support tool for 2024 designing reverse logistics systems	10.1016/j.jenvman.2023.119819
36	Mallick P.K.; Salling K.B.; Pigozzo D.C.A.; McAloone T.C.	Towards a circular economy: Development of a support tool for 2024 designing reverse logistics systems	10.1016/j.jenvman.2023.119819
37	Sarancic D.; Pigozzo D.C.A.; Colli M.; McAloone T.C.	Towards a novel Business, Environmental and Social Screening Tool 2022 for Product-Service Systems (BESST PSS) design	10.1016/j.spc.2022.07.022
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39	Kurt A.; Cortes-Cornax M.; Cung V.-D.; Front A.; Mangione F.	2021 A Classification Tool for Circular Supply Chain Indicators	10.1007/978-3-030-85914-5_68

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