

Future-proofing Infrastructure to address the climate, biodiversity and pollution crises



References

References

1. Meredith, S. Oil major Shell to write down up to \$22 billion of assets in second quarter. 2020 [Accessed 31 January 2021]. Available from: <https://www.cnn.com/2020/06/30/shell-to-write-down-assets-worth-up-to-22-billion-in-q2.html>.
2. Bousso, R. BP wipes up to \$17.5 billion from assets with bleaker oil outlook. 2020 [Accessed 31 January 2021]. Available from: <https://www.reuters.com/article/us-bp-writeoffs-idUSKBN23M0QA>.
3. UNEP and UN-Habitat, *Global Environment for Cities-GEO for Cities: Towards green and just cities*. 2021, UNEP: Nairobi. Available from: <https://wedocs.unep.org/bitstream/handle/20.500.11822/37413/GEOcities.pdf>
4. Henshaw, K. and C. Constantinescu. *Rethinking Flood Risk Management*. 2021. Available from: <https://environmentjournal.online/articles/rethinking-flood-risk-management/>.
5. Birkmann, J., et al., *Extreme Events, Critical Infrastructures, Human Vulnerability and Strategic Planning: Emerging Research Issues*. Journal of Extreme Events, 2016. 03(04): p. 1650017. Available from: <https://www.worldscientific.com/doi/abs/10.1142/S2345737616500172>
6. Intergovernmental Panel on Climate Change, *Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, R.K. Pachauri and L.A. Meyer, Editors. 2014, IPCC: Geneva. Available from: https://www.ipcc.ch/site/assets/uploads/2018/05/SYR_AR5_FINAL_full_wcover.pdf
7. United Nations Environment Programme, *Global Environment Outlook - GEO-6: Healthy Planet, Healthy People*. 2019, Nairobi: Cambridge University Press. Available from: <https://www.unep.org/resources/global-environment-outlook-6>
8. Mebratu, D. and M. Swilling, *Transformational Infrastructure for Development of a Wellbeing Economy in Africa*. 2019: SUN Media.
9. Intergovernmental Panel on Climate Change, *2006 IPCC Guidelines for National Greenhouse Gas Inventories*, ed. H.S. Eggleston, et al. Vol. 3. 2006, Japan: IGES. Available from: https://www.ipcc-nggip.iges.or.jp/support/Primer_2006GLs.pdf
10. United Nations Environment Programme. *We're gobbling up the Earth's resources at an unsustainable rate*. 2019 [Accessed 24 May 2021]. Available from: <https://www.unep.org/news-and-stories/story/were-gobbling-earths-resources-unsustainable-rate>.
11. Arup, *The Circular Economy in the Built Environment*. 2016, London: Arup. Available from: <https://www.arup.com/perspectives/publications/research/section/circular-economy-in-the-built-environment>
12. Ellen Macarthur Foundation and Arup, *Designing Buildings for Adaptable Use, Durability, and Positive Impact*. Circular Economy in Cities. 2019. Available from: <https://ellenmacarthurfoundation.org/circular-economy-opportunity-and-benefit-factsheets>
13. Keating, C. *Carbon Tracker: Oil and gas giants take \$87bn hit on assets in nine months*. 2020 [Accessed 22 July 2021]. Available from: <https://www.businessgreen.com/news/4019071/carbon-tracker-oil-gas-giants-usd87bn-hit-assets-months>.
14. Colby, C. and L.M. Davis. *\$1 trillion infrastructure bill not a done deal yet. Here's what you get if it passes*. 2021 [Accessed 4 September 2021]. Available from: <https://www.cnet.com/personal-finance/1-trillion-infrastructure-bill-not-a-done-deal-yet-heres-what-you-get-if-it-passes/>.
15. Taing, L., et al., *Towards a water secure future: reflections on Cape Town's Day Zero crisis*. Urban Water Journal, 2019. 16(7): p. 530-536. Available from: <https://doi.org/10.1080/1573062X.2019.1669190>
16. European Union, *Building a green infrastructure for Europe*. 2013, European Commission: Belgium. Available from: <https://op.europa.eu/en/publication-detail/-/publication/738d80bb-7d10-47bc-b131-ba8110e7c2d6>
17. International Energy Agency, *Sustainable Recovery: World Energy Outlook Special Report*. 2020, Paris. Available from: <https://www.iea.org/reports/sustainable-recovery>

18. International Labour Organization, *Local investments for climate change adaptation, Green jobs through green works*. 2011, Bangkok: Regional Office for Asia and the Pacific. Available from: https://www.ilo.org/wcmsp5/groups/public/---asia/---ro-bangkok/documents/publication/wcms_172716.pdf
19. Organisation for Economic Co-operation and Development, United Nations Environment Programme, and The World Bank, *Financing Climate Futures: Rethinking Infrastructure*. 2018, Paris: OECD Publishing. Available from: <https://www.oecd.org/env/cc/climate-futures/>
20. Organisation for Economic Co-operation and Development, *Investing in Climate, Investing in Growth: A Synthesis*. 2017, Paris: OECD Publishing. Available from: <https://www.oecd.org/env/investing-in-climate-investing-in-growth-9789264273528-en.htm>
21. Global Infrastructure Hub. *Global Infrastructure Outlook*. 2021 [Accessed 24 May 2021]. Available from: <https://outlook.gihub.org/>.
22. Thacker, S., et al., *Infrastructure: Underpinning Sustainable Development*. 2018, Copenhagen, Denmark: United Nations Office for Project Services. Available from: https://unops.economist.com/wp-content/uploads/2019/01/Infrastructure_underpinning_sustainable_development_EN.pdf
23. The New Climate Economy, *The Sustainable Infrastructure Imperative: Financing for Better Growth and Development*. 2017. Available from: <https://www.un.org/pga/71/wp-content/uploads/sites/40/2017/02/New-Climate-Economy-Report-2016-Executive-Summary.pdf>
24. United Nations Environment Programme, *Integrated approaches to sustainable infrastructure 2019*, Nairobi, Kenya. Available from: <https://wedocs.unep.org/handle/20.500.11822/32664>
25. OECD, *Global Material Resources Outlook to 2060: Economic drivers and environmental consequences*. 2019: Paris. Available from: <https://read.oecd.org/10.1787/9789264307452-en?format=pdf>
26. Goodwin, B., *Covid-19 and the new normal for infrastructure systems – next steps*. 2020: United Kingdom. Available from: <https://www.ice.org.uk/getattachment/news-and-insight/policy/covid-and-new-normal-for-infrastructure-systems/icg-ice-covid-19-and-the-reinvention-of-infrastructure-delivery-a-white-paper-web.pdf.aspx>
27. The World Bank, PPAIF, *Who sponsors infrastructure projects? Disentangling public and private contributions* 2017. 2017, World Bank: USA. Available from: https://ppi.worldbank.org/content/dam/PPI/documents/SPIReport_2017_small_interactive.pdf
28. Thorn, J.P.R., R.A. Marchant, and J. Hobbs, *Exploring the Potential of Scenario Planning for More Effective Environmental Assessments: Standard Gauge Railway Development Corridor, Kenya*. Impact Assessment for Corridors: From Infrastructure to Development Corridors, ed. J. Hobbs and D. Juffe-Bignoli. 2021, UK: Cambridge.
29. Seddon, N., et al., *Understanding the value and limits of nature-based solutions to climate change and other global challenges*. Philos Trans R Soc Lond B Biol Sci, 2020. 375(1794): p. 20190120. Available from: <https://royalsocietypublishing.org/doi/10.1098/rstb.2019.0120>
30. Phadke, A., et al., *2035 The Report: Plummeting Solar, Wind, and Battery Costs can Accelerate our Clean Electricity Future*. 2020: United States. Available from: https://www.researchgate.net/publication/354478093_PLUMMETING_SOLAR_WIND_AND_BATTERY_COSTS_CAN_ACCELERATE_OUR_CLEAN_ELECTRICITY_FUTURE
31. United Nations Environment Programme, *District Energy in Cities. Unlocking the potential of energy efficiency and renewable energy*. 2015, Kenya: UNEP. Available from: <https://wedocs.unep.org/handle/20.500.11822/9317>
32. United Nations environment Programme, *Stakeholder coordination for district cooling development, India*. 2019: Thane. Available from: https://eeslindia.org/wp-content/uploads/2021/03/Final-Report_National-District-Cooling-Potential-Study-for-India.pdf
33. Specht, K., et al., *Urban agriculture of the future: an overview of sustainability aspects of food production in and on buildings*. Agriculture and Human Values, 2013. 31(1): p. 33-51. Available from: <https://ideas.repec.org/a/spr/agrhuv/v31y2014i1p33-51.html>
34. World Green Building Council. *Our Strategy 2020-22*. 2020; Available from: <https://www.worldgbc.org/sites/default/files/2019-12-18%20WorldGBC%20Strategy%202020-22.pdf>.

35. Baron, R., *The Role of Public Procurement in Low-carbon Innovation*. 2016: Paris. Available from: <https://www.oecd.org/sd-roundtable/papersandpublications/The%20Role%20of%20Public%20Procurement%20in%20Low-carbon%20Innovation.pdf>
36. Rana, F. *Preparing bankable infrastructure projects*. 2017; Available from: <https://blogs.worldbank.org/ppps/preparing-bankable-infrastructure-projects>.
37. United Nations Environment Programme, *2020 Global Status Report for Buildings and Constructions: Towards a Zero-emission, Efficient and Resilient Buildings and Construction Sector*. 2020, Nairobi: UNEP. Available from: <https://wedocs.unep.org/20.500.11822/34572>
38. BBC. *US oil prices turn negative as demand dries up*. 2020. Available from: <https://www.bbc.com/news/business-52350082>.
39. Newburger, E., *More than 2 million people expected to lose power in PG&E blackout as California wildfires rage*. 2019, CNBC. [Accessed 12 November 2021] Available from: <https://www.cnbc.com/2019/10/26/pge-will-shut-off-power-to-940000-customers-in-northern-california-to-reduce-wildfire-risk.html>
40. Bahia, K. and A. Delaporte, *Connected Society - The State of Mobile Internet Connectivity 2020*. 2020, UK: GSMA Intelligence. Available from: <https://www.gsma.com/r/wp-content/uploads/2020/09/GSMA-State-of-Mobile-Internet-Connectivity-Report-2020.pdf>
41. Booth, J. *UK Data Centres – Carbon Neutral by 2030?* 2020. Available from: <https://ukerc.ac.uk/news/uk-data-centres-carbon-neutral-by-2030/>.
42. Jowitt, S.M., G.M. Mudd, and J.F.H. Thompson, *Future availability of non-renewable metal resources and the influence of environmental, social, and governance conflicts on metal production*. *Communications Earth & Environment*, 2020. 1(1): p. 13. Available from: <https://www.nature.com/articles/s43247-020-0011-0>
43. Dawson, R.J., *A climate change report card for infrastructure*, in *LWEC Report Card*. 2015, Living With Environmental Change. Available from: <https://nerc.ukri.org/research/partnerships/ride/lwec/report-cards/infrastructure/>
44. Charmes, J., *The Informal Economy Worldwide: Trends and Characteristics*. *Margin: The Journal of Applied Economic Research*, 2012. 6(2): p. 103-132. Available from: <https://journals.sagepub.com/doi/abs/10.1177/097380101200600202>
45. The World Bank, *Global Economic Prospects, January 2019 - Darkening Skies, Chapter 3: Growing in the Shadow, Challenges of Informality*. 2019, Washington DC: World Bank. Available from: <http://pubdocs.worldbank.org/en/196001542819699601/Global-Economic-Prospects-Jan-2019-Topical-Issue-informality.pdf>
46. United Nations Department of Economic and Social Affairs, *World Social Report 2020 Inequality in a Rapidly Changing World*. 2020, Washington DC: United Nations. Available from: <https://www.un.org/development/desa/dspd/wp-content/uploads/sites/22/2020/02/World-Social-Report2020-FullReport.pdf>
47. United Nations Human Settlements Programme, *World Cities Report 2020: Key Findings and Messages*. 2020, Kenya: UN Habitat. Available from: https://unhabitat.org/sites/default/files/2020/10/wcr_2020_report.pdf
48. Irham, *Urban sprawl, food security and sustainability of Yogyakarta City, Indonesia*. in *Urban Environment*. 2012. Dordrecht: Springer Netherlands. Available from: http://library.jkuat.ac.ke/cgi-bin/koha/opac-detail.pl?biblionumber=121367&shelfbrowse_itemnumber=175967
49. Matricardi, E.A.T., et al., *Multi-temporal assessment of selective logging in the Brazilian Amazon using Landsat data*. *International Journal of Remote Sensing*, 2010. 28(1): p. 63-82. Available from: <https://doi.org/10.1080/01431160600763014>
50. Lentini, M., et al., *Fatos Florestais da Amazônia 2005*. 2005, Brasil: Instituto do Homem e Meio Ambiente da Amazônia. Available from: <http://imazon.org.br/PDFimazon/Portugues/livros/atos-florestais-da-amazonia-2005.pdf>
51. Souza Jr., C., A. Brandão Jr., and M. Lentini, *The feasibility of logging in the Pará Calha Norte region of the Brazilian Amazon, in Mapping Forestry*, P. Eredics, Editor. 2010, ESRI Press: USA.
52. Peres, C.A., *Effects of Subsistence Hunting on Vertebrate Community Structure in Amazonian Forests*. *Conservation Biology*, 2000. 14(1). Available from: <http://biodiversity.tamu.edu/files/2013/05/Peres2000EffectsHuntingAmazonConBio-1.pdf>

53. Barber, C.P., et al., *Roads, deforestation, and the mitigating effect of protected areas in the Amazon*. *Biological Conservation*, 2014. 177: p. 203-209. Available from: <https://doi.org/10.1016/j.biocon.2014.07.004>
54. Laurance, W.F., et al., *Estimating the Environmental Costs of Africa's Massive "Development Corridors"*. *Curr Biol*, 2015. 25(24): p. 3202-8. Available from: <https://pubmed.ncbi.nlm.nih.gov/26628009/>
55. Alamgir, M., et al., *Economic, Socio-Political and Environmental Risks of Road Development in the Tropics*. *Current Biology*, 2017. 27(20): p. R1130-R1140. Available from: <https://doi.org/10.1016/j.cub.2017.08.067>
56. International Finance Corporation, *International Finance Corporation's Guidance Note 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources*, T.W.B. Group, Editor. 2019, IFC. Available from: https://www.ifc.org/wps/wcm/connect/5e0f3c0c-0aa4-4290-a0f8-4490b61de245/GN6_English_June-27-2019.pdf?MOD=AJPERES&CVID=mRQjZva
57. Gameda, D.O. and S.K. Meles, *Impacts of human-wildlife conflict in developing countries*. *Journal of Applied Sciences and Environmental Management*, 2018. 22(8). Available from: https://www.researchgate.net/publication/327597300_Impacts_of_human-wildlife_conflict_in_developing_countries
58. Muley, D., et al., *Role of Transport during Outbreak of Infectious Diseases: Evidence from the Past*. *Sustainability*, 2020. 12(18). Available: <https://www.mdpi.com/2071-1050/12/18/7367>
59. Richard, S.A. and R.R. John Paolo, *Public-private partnership framework for sustainable geopark development handbook of geotourism*. 2018, Edward Elgar Publishing: Cheltenham.
60. Bendixen, M., et al., *Time is running out for sand*. *Nature*, 2019. 571. Available from: <https://www.nature.com/articles/d41586-019-02042-4>
61. Moreau, V., P. Dos Reis, and F. Vuille, *Enough Metals? Resource Constraints to Supply a Fully Renewable Energy System*. *Resources*, 2019. 8(1). Available from: <https://www.mdpi.com/2079-9276/8/1/29>
62. Giurco, D., et al., *Requirements for Minerals and Metals for 100% Renewable Scenarios, in Achieving the Paris Climate Agreement Goals: Global and Regional 100% Renewable Energy Scenarios with Non-energy GHG Pathways for +1.5°C and +2°C*, S. Teske, Editor. 2019, Springer International Publishing: Cham. p. 437-457.
63. Fu, X., et al., *Perspectives on Cobalt Supply through 2030 in the Face of Changing Demand*. *Environmental Science & Technology*, 2020. 54(5): p. 2985-2993. Available from: <https://pubs.acs.org/doi/abs/10.1021/acs.est.9b04975>
64. Simeon, B., *Priming the Pump: Solving the Water Challenge*, in *Insight*. 2010, Insight.
65. Organisation for Economic Cooperation and Development, *Strategic transport infrastructure needs to 2030, main findings - OECD Futures Project on Transcontinental Infrastructure Needs to 2030/50* 2011: OECD. Available from: <https://www.oecd.org/futures/infrastructureto2030/49094448.pdf>
66. Yamamoto, Y., *Measures to Mitigate Urban Heat Islands*. *Science and Technology Trends Quarterly Review*, 2006. 18. Available from: <https://www.coolrooftoolkit.org/wp-content/uploads/2012/04/Measures-to-Mitigate-UHI-Yamamoto.pdf>
67. Global Alliance for Building and Construction, International Energy Agency, and United Nations Environment Programme, *GlobalABC Roadmap for Buildings and Construction 2020-2050: Towards a zero-emission, efficient and resilient buildings and construction sector*. 2020, Paris: IEA. Available from: https://iea.blob.core.windows.net/assets/6cca78af-2327-4e97-868c-294d48cb66b3/GlobalABC_Roadmap_for_Buildings_and_Construction_2020-2050.pdf
68. Werner, S., *District heating and cooling in Sweden*. *Energy*, 2017. 126: p. 419-429. Available from: <https://microgridknowledge.com/cleangrid-southeast-asia-microgrid/>.
69. United Nations Environment Programme, *International Good Practice Principles for Sustainable Infrastructure*. 2021, Nairobi: UNEP. Available from: <https://www.unep.org/resources/publication/international-good-practice-principles-sustainable-infrastructure>
70. Stefanakis, A., *The Role of Constructed Wetlands as Green Infrastructure for Sustainable Urban Water Management*. *Sustainability*, 2019. 11(24). Available from: <https://doi.org/10.3390/su11246981>
71. Thorn, J.P.R., et al., *Mainstreaming nature-based solutions for climate resilient infrastructure in peri-urban sub-Saharan Africa*. *Landscape and Urban Planning*, 2021. 216: p. 104235.
72. Consorci del Besòs, *Report Workshop 1 Riu Besòs Pilot Landscape*. 2019: Spain.

73. Sadoff, C.W., E. Borgomeo, and D. de Waal, *Turbulent Waters: Pursuing Water Security in Fragile Contexts*. 2017, Washington D.C.: The World Bank. Available from: <https://openknowledge.worldbank.org/bitstream/handle/10986/26207/W16005.pdf?sequence=2&isAllowed=y>
74. Browder, G., et al., *Integrating green and gray: Creating next generation infrastructure*. 2019: World Resources Institute. Available from: <https://www.wri.org/research/integrating-green-and-gray-creating-next-generation-infrastructure>
75. Kaboré, D. and C. Reij, *The emergence and spreading of an improved traditional soil and water conservation practice in Burkina Faso*. 2004: Washington, DC. Available from: <https://www.ifpri.org/cdmref/p15738coll2/id/59638/filename/59639.pdf>
76. United States Environmental Protection Agency, *The economic benefits of green infrastructure: a case of Lancaster, Pennsylvania*, in February. 2014: United States. Available from: https://www.epa.gov/sites/default/files/2016-08/documents/gi_climate_charrettes_final_508_2.pdf
77. Conti, J., et al., *Strategies for Operationalizing Nature-Based Solutions in the Private Sector*. 2018: The Nature Conservancy. Available from: <https://www.nature.org/content/dam/tnc/nature/en/documents/NBSWhitePaper.pdf>
78. World Business Council for Sustainable Development, *Methodology for the Net Impact Assessment of Biodiversity in the Cement Sector*. 2018: Cement Sustainability Initiative. Available from: <https://docs.wbcsd.org/2018/12/Methodology-for-the-Net-Impact-Assessment-of-Biodiversity-in-the-Cement-Sector.pdf>
79. Bank, W., *Africans can help feed Africa: Removing barriers to regional trade in food staples, in Poverty Reduction and Economic Management*, Africa Region: 1. 2012. Available from: <https://openknowledge.worldbank.org/bitstream/handle/10986/26078/733870WP0P12710n0Feed0Africa0Report.pdf?sequence=1&isAllowed=y>
80. Brehme, C.S., et al., *Permeability of roads to movement of scrubland lizards and small mammals*. *Conserv Biol*, 2013. 27(4): p. 710-20. Available from: <https://doi.org/10.1111/cobi.12081>
81. Simberloff, D., et al., *Impacts of biological invasions: what's what and the way forward*. *Trends Ecol Evol*, 2013. 28(1): p. 58-66. Available from: <https://doi.org/10.1016/j.tree.2012.07.013>
82. Byiers, B., *Corridors of power or plenty? Lessons from Tanzania and Mozambique and implications for CAADP*, in Discussion Paper No. 138. 2013. Available from: <https://ecdpm.org/wp-content/uploads/2013/10/DP-138-Corridors-Lessons-Tanzania-Mozambique-Implications-CAADP-2013.pdf>
83. International Finance Corporation, *IFC Performance Standards on Environmental and Social Sustainability*. 2012, Washington D.C.: World Bank. Available from: https://www.ifc.org/wps/wcm/connect/c02c2e86-e6cd-4b55-95a2-b3395d204279/IFC_Performance_Standards.pdf?MOD=AJPERES&CVID=kTjHBzk
84. Inderst, G., C. Kaminker, and F. Stewart, *Defining and measuring green investments: Implications for institutional investors' asset allocations*, I.a.P.P. OECD Working Papers on Finance, No.24, Editor. 2012, OECD Publishing. Available from: https://www.oecd.org/finance/WP_24_Defining_and_Measuring_Green_Investments.pdf
85. International Renewable Energy Agency. *World Adds Record New Renewable Energy Capacity in 2020*. 2021. Available from: <https://irena.org/newsroom/pressreleases/2021/Apr/World-Adds-Record-New-Renewable-Energy-Capacity-in-2020#:~:text=The%20United%20States%20of%20America%20installed%2029%20GW%20of%20renewables,around%2014%20GW%20of%20wind.&text=Ten%20other%20countries%20increased%20wind,total%20wind%20capacity%20in%202020>.
86. Reed, S. Renewable Power Grows Strongly, Despite the Pandemic. 2020 [Accessed 17 May 2021]. Available from: <https://www.nytimes.com/2020/11/10/business/renewable-energy-coal.html>.
87. Kauffman, L. *Replacing Coal Plants With Renewables Is Cheaper 80% of the Time*. 2021 [Accessed 17 May 2021]. Available from: <https://www.bloomberg.com/news/articles/2021-05-05/replacing-coal-plants-with-renewables-is-cheaper-80-of-the-time>.
88. Chen, T., et al., *Applications of Lithium-Ion Batteries in Grid-Scale Energy Storage Systems*. *Transactions of Tianjin University*, 2020. 26(3): p. 208-217. Available from: <https://link.springer.com/article/10.1007/s12209-020-00236-w>

89. International Labour Organization, *Investment in renewable energy generates jobs. Supply of skilled workforce needs to catch up*. 2011, ILO. Available from: https://www.ilo.org/wcmsp5/groups/public/---ed_emp/---ifp_skills/documents/publication/wcms_168354.pdf
90. International Energy Agency, *Digitalization and energy*. 2017, Paris: International Energy Agency. Available from: <https://www.iea.org/reports/digitalisation-and-energy>
91. 3E. *Inventory of Residual Heat Potential – Port of Antwerp*. 2021; Available from: <https://www.3e.eu/buildings-sites/buildings-sites-our-work/inventory-residual-heat-potential-port-antwerp/>.
92. Burger, A. *CleanGrid Partners to Build a \$100 Million Microgrid Portfolio in Southeast Asia*. 2019; Available from: <https://microgridknowledge.com/cleangrid-southeast-asia-microgrid/>.
93. WEnergy Global Pte Ltd. *2.4 MW Hybrid Power Plant and 14 km Micro-grid, Sabang, Palawan, Philippines*. 2019. Available from: https://www.wenergyglobal.com/hybrid_powered_micro/2-4-mw-hybrid-power-plant-and-14-km-micro-grid-sabang-palawan-philippines-upcoming/.
94. Asian Development Bank, *Rajasthan Renewable Energy Transmission Investment Program, Fact Sheet*. 2019, ADB: Philippines. Available from: <https://www.adb.org/projects/45224-003/main>
95. Synergie Solarie. *Burkina Faso - Solar Training Center for Women and Electrification of Their Villages*. [Accessed 24 May 2021]; Available from: <https://www.synergiesolaire.org/en/projet/solar-training-center-for-women-and-electrification-of-their-villages/>.
96. Chang, D. *Empowering young women through renewable energy training*. 2017 [Accessed 24 May 2021]. Available from: <https://www.unido.org/stories/empowering-young-women-through-renewable-energy-training>.
97. United Nations Economic Commission for Europe and International Labour Organization, *Jobs in green and healthy transport, Making the green shift*. 2020, Switzerland: ILO. Available from: https://www.ilo.org/wcmsp5/groups/public/---dgreports/---dcomm/---publ/documents/publication/wcms_745151.pdf
98. The White House. FACT SHEET: *Biden Administration Advances Electric Vehicle Charging Infrastructure*. Briefing Room 2021 [Accessed 17 May 2021]; Available from: <https://www.whitehouse.gov/briefing-room/statements-releases/2021/04/22/fact-sheet-biden-administration-advances-electric-vehicle-charging-infrastructure/>.
99. Baker, D.R. *Electric Car-Charging Business Is Doing Everything But Making Money*. 2021 [Accessed 17 May 2021]. Available from: <https://www.bloomberg.com/news/articles/2021-04-30/ev-charging-industry-is-doing-everything-except-showing-a-profit>.
100. Skeete, J.-P., et al., *Beyond the Event horizon: Battery waste, recycling, and sustainability in the United Kingdom electric vehicle transition*. Energy Research & Social Science, 2020. 69: p. 101581. Available from: <https://doi.org/10.1016/j.erss.2020.101581>
101. Weitz, N., et al., *Towards systemic and contextual priority setting for implementing the 2030 Agenda*. Sustain Sci, 2018. 13(2): p. 531-548. Available from: <https://link.springer.com/article/10.1007/s11625-017-0470-0#citeas>
102. Hamari, J., M. Sjöklint, and A. Ukkonen, *The Sharing Economy: Why People Participate in Collaborative Consumption*. Journal of The Association for Information Science and Technology, 2016. 67(9). Available from: <https://doi.org/10.1002/asi.23552>
103. Siemens, *SmartStart Modeling private sector finance adoption for SmartStart cities, in Siemens Financial Services Whitepaper*. 2016, Siemens AG: Munich.
104. Reid, C. *Copenhagen Plans Greater Restrictions On Car Use As Cycling Surges To 49% Of Commuter Journeys*. 2019. Available from: <https://www.forbes.com/sites/carltonreid/2019/05/28/copenhagen-plans-greater-restrictions-on-car-use-as-cycling-surges-to-49-of-commuter-journeys/?sh=453f47b63a9f>.
105. International Resource Panel, et al., *The Weight of Cities, Resource Requirements of Future Urbanization*. 2018, Nairobi: United Nations Environment Programme. Available from: <https://www.resourcepanel.org/reports/weight-cities>
106. Kumar, A. and Pushplata, *Vernacular practices: as a basis for formulating building regulations for hilly areas*. International Journal of Sustainable Built Environment, 2013. 2(2): p. 183-192. Available from: <https://doi.org/10.1016/j.ijbsbe.2014.01.001>

107. Bloomingrock. *7 Reasons to Fund Bicycle Infrastructure*. 2017. Available from: <https://www.smartcitiesdive.com/ex/sustainablecitiescollective/7-reasons-fund-bicycle-infrastructure/268971/>.
108. Rode, P., et al., *Integrating national policies to deliver compact, connected cities: an overview of transport and housing*, in Coalition for Urban Transitions, O.a.L.S.o. Economics, Editor. 2019: London and Washington, DC. Available from: https://newclimateeconomy.report/workingpapers/wp-content/uploads/sites/5/2017/12/NCE2017_OECD_LSE_NationalPolicies-1.pdf
109. Johan de Hartog, J., et al., *Do the health benefits of cycling outweigh the risks?* Environmental health perspectives, 2010. 118(8): p. 1109-1116. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2920084/>
110. Interface for Cycling Expertise, *Bicycling in Asia*. 2008, Netherlands: Interface for Cycling Expertise.
111. Kollins, M. *In rural Africa, bicycles help increase access to school and attendance*. 2011 [Accessed 15 May 2021]. Available from: <https://www.globalpartnership.org/fr/blog/rural-africa-bicycles-help-increase-access-school-and-attendance>.
112. Modi, A. *Cycling to success: A road to empowerment for rural girls in India*. Echidna Global Scholars Series 2017. Available from: <https://www.brookings.edu/blog/education-plus-development/2017/07/27/cycling-to-success-a-road-to-empowerment-for-rural-girls-in-india/>.
113. Hertwich, E., et al., *Resource Efficiency and Climate Change: Material Efficiency Strategies for a Low-Carbon Future*. 2020, Nairobi: International Resource Panel; United Nations Environment Programme. Available from: https://www.resourcepanel.org/sites/default/files/documents/document/media/resource_efficiency_and_climate_change_full_report.pdf
114. Lehne, J. and F. Preston, *Making Concrete Change Innovation in Low-Carbon Cement and Concrete*. 2018, Chatam House The Royal Institute of International Affairs: UK. Available from: <https://www.chathamhouse.org/2018/06/making-concrete-change-innovation-low-carbon-cement-and-concrete>
115. Akenji, L. and H. Chen, *A framework for shaping sustainable lifestyles, determinants and strategies*. 2016, Nairobi: United Nations Environment Programme. Available from: https://www.oneplanetnetwork.org/sites/default/files/a_framework_for_shaping_sustainable_lifestyles_determinants_and_strategies_0.pdf
116. Yung, E.H.K. and E.H.W. Chan, *Implementation challenges to the adaptive reuse of heritage buildings: Towards the goals of sustainable, low carbon cities*. Habitat International, 2012. 36(3): p. 352-361. Available from: <https://www.sciencedirect.com/science/article/pii/S0197397511000877>
117. United nations Environment Programme, *Buildings and Climate Change: Summary for Decision Making*. 2009, Nairobi: UNEP. Available from: https://wedocs.unep.org/bitstream/handle/20.500.11822/32152/BCC_SDM.pdf?sequence=1&isAllowed=y
118. Baynes, T.M. and J.K. Musango, *Estimating current and future global urban domestic material consumption*. Environmental Research Letters, 2018. 13(6): p. 065012. Available from: <https://iopscience.iop.org/article/10.1088/1748-9326/aac391/pdf>
119. United Nations Environment Programme, *Greening the Building Supply Chain*. 2014, Nairobi: UNEP. Available from: https://www.oew.kit.edu/img/greening_the_supply_chain_report.pdf
120. United Nations Environment Programme, *A framework for shaping sustainable lifestyles - determinants and strategies*. 2016, Nairobi: UNEP. Available from: https://www.oneplanetnetwork.org/sites/default/files/a_framework_for_shaping_sustainable_lifestyles_determinants_and_strategies_0.pdf
121. Grigg, N.S., *Global water infrastructure: state of the art review*. International Journal of Water Resources Development, 2019. 35(2): p. 181-205. Available from: <https://www.tandfonline.com/doi/abs/10.1080/07900627.2017.1401919>
122. United Nations Environment Programme, *Resource Efficiency: Potential and Economic Implications. A report of the International Resource Panel*. 2017, Nairobi: UNEP. Available from: https://www.resourcepanel.org/sites/default/files/documents/document/media/resource_efficiency_report_march_2017_web_res.pdf
123. Pearce, F., *A long dry season: Prolonged drought in Mediterranean countries has sparked off a frenzy of engineering projects to save water*, in The New Scientist. 1993.
124. USAID, *Coca-Cola and USAID: A global partnership on water : Factsheet*, USAID, Editor. 2021: USA. Available from: https://www.usaid.gov/sites/default/files/documents/1865/WADA_4_page_Partnership_Overview_8.28.2014.pdf

125. P&G. *Environmental sustainability*. 2021; Available from: <https://www.pg.co.uk/environmental-sustainability/>.
126. United Nations Environment Programme Finance Initiative, *Challenges of Water Scarcity: A Business Case for Financial Institutions*. 2005, Nairobi: UNEPFI. Available from: https://www.unepfi.org/fileadmin/documents/challenges_water_scarcity_2005.pdf
127. Soezer, A. and C. Arden-Clarke, *A 1.5°C World Requires A Circular and Low Carbon Economy*. 2020, New York: United Nations Development Programme. Available from: <https://www.ndcs.undp.org/content/ndc-support-programme/en/home/impact-and-learning/library/a-1-5-c-world-requires-a-circular-and-low-carbon-economy.html>
128. Chertow, M.R., *Industrial symbiosis: Literature and taxonomy*. Annual Review of Energy and the Environment, 2000. 25(1): p. 313-337. Available from: <https://pubs.acs.org/doi/pdf/10.1021/es050050%2B>
129. Trokanas, N., et al. *Optimising Environmental Performance of Symbiotic Networks Using Semantics. in Proceedings of the 24th European Symposium on Computer Aided Process Engineering – ESCAPE 24*. 2014. Budapest: Elsevier B.V. Available from: <https://openresearch.surrey.ac.uk/esploro/outputs/conferencePresentation/Optimising-Environmental-Performance-of-Symbiotic-Networks-Using-Semantics/99513214302346>
130. Nasr, N.Z. and J.D. Russell, *Redefining value, the manufacturing revolution, remanufacturing, refurbishment, repair and direct reuse in the circular economy*. 2018, Nairobi: International Resource Panel and United Nations Environment Programme. Available from: <https://www.resourcepanel.org/reports/re-defining-value-manufacturing-revolution>
131. Ellen MacArthur Foundation, *Towards A Circular Economy: Business Rationale for An Accelerated Transition*. 2015: Ellen MacArthur Foundation. Available from: <https://emf.thirdlight.com/link/ip2fh05h21it-6nvypm/@/preview/1?o>
132. Ellen Macarthur Foundation and Google, *Artificial Intelligence, and the Circular Economy: AI as a Tool to Accelerate the Transition*. 2019, United Kingdom. Available from: <https://ellenmacarthurfoundation.org/artificial-intelligence-and-the-circular-economy>
133. Chertow, M.R. and D.R. Lombardi, *Quantifying Economic and Environmental Benefits of Co-Located Firms*. Environmental Science & Technology, 2005. 39(17): p. 6535-6541. Available from: <https://pubs.acs.org/doi/pdf/10.1021/es050050%2B>
134. United Nations Environment Programme, *Towards a Green Economy: Pathways to Sustainable Development and Poverty Eradication - A Synthesis for Policy Makers*. 2011, Nairobi: UNEP. Available from: <https://sustainabledevelopment.un.org/index.php?page=view&type=400&nr=126&menu=35>
135. DCP Kenya, *Development Corridors in Kenya - a scoping study. A country report of the Development Corridors Partnership* D. Olago, et al., Editors. 2019, Institute for Climate Change and Adaptation, University of Nairobi and African Conservation Centre: Nairobi. Available from: https://www.researchgate.net/publication/332727359_Development_Corridors_in_Kenya_A_Scoping_Study
136. Merchan, A.L., S. Belboom, and A. Léonard, *Life cycle assessment of rail freight transport in Belgium*. Clean Technologies and Environmental Policy, 2020. 22(5): p. 1109-1131. Available from: <https://link.springer.com/article/10.1007/s10098-020-01853-8>
137. Organisation for Economic Cooperation and Development, *Climate-resilient Infrastructure*. 2018: Paris. Available from: <https://www.stimson.org/2020/global-leaders-launch-new-alliance-focused-on-climate-resilient-critical-infrastructure/>.
138. Thorn, J.P.R., *Adaptation "from below" to changes in species distribution, habitat and climate in agro-ecosystems in the Terai Plains of Nepal*. Ambio, 2019. 48(12): p. 1482-1497. Available from: <https://link.springer.com/article/10.1007/s13280-019-01202-0>
139. Thorn, J., T.F. Thornton, and A. Helfgott, *Autonomous adaptation to global environmental change in peri-urban settlements: Evidence of a growing culture of innovation and revitalisation in Mathare Valley Slums, Nairobi*. Global Environmental Change, 2015. 31: p. 121-131. Available from: <https://doi.org/10.1016/j.gloenvcha.2014.12.009>
140. Simkins, P. and T. Bridges, *Exploring a health-led approach to infrastructure*. 2018: London. Available from: Available from: <https://www.arup.com/-/media/arup/files/publications/e/exploring-a-health-led-approach-to-infrastructure.pdf>

141. Inter-American Development Bank, *What is Sustainable Infrastructure? - A Framework to Guide Sustainability Across the Project Cycle*. 2018, Washington D.C. Available from: <http://dx.doi.org/10.18235/0001043>
142. Amaratunga, D. and R. Haigh, *Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience*. 2011, United Kingdom: Blackwell Publishing, Ltd. Available from: <https://onlinelibrary.wiley.com/doi/book/10.1002/9781444344943>
143. The World Bank, *Making Infrastructure Work for Women and Men : A Review of World Bank Infrastructure Projects (1995-2009)*. 2010, Washington D.C. Available from: <https://openknowledge.worldbank.org/bitstream/handle/10986/28131/590790WPOGende1Box0349464B01PUBLIC1.pdf?sequence=1&isAllowed=y>
144. Morris, R.J. *Five strategies for retaining construction employees*. 2020; Available from: <https://www.conexpoconagg.com/news/5-strategies-for-retaining-construction-employees>.
145. United Nations Development Programme. *Paving the way for climate resilient infrastructure: Guidance for practitioners and planners. in International Conference: Strategies for Adapting Public and Private Infrastructure to Climate Change*. 2011. New York: UNDP.
146. Zasiadko, M. *Translate4Rail to remove language barriers on European corridors*. 2020; Available from: <https://www.railfreight.com/policy/2020/03/12/translate4rail-to-remove-language-barriers-on-european-corridors/?gdpr=accept>.
147. International Coalition for Sustainable Infrastructure. *The ICSI Pledge*. 2019 [Accessed 17 May 2021]; Available from: <https://sustainability-coalition.org/the-icsi-pledge/>.
148. Covenant of Mayors for Climate and Energy. *The Covenant of Mayors for Climate and Energy*. 2008 [Accessed 17 May 2021] Available from: https://www.eumayors.eu/IMG/pdf/covenantofmayors_text_en.pdf.
149. Stimson Center. *Global Leaders Launch New Alliance Focused on Climate Resilient Critical Infrastructure*. 2020 [Accessed 17 May 2021]; Available from: <https://www.stimson.org/2020/global-leaders-launch-new-alliance-focused-on-climate-resilient-critical-infrastructure/>.
150. American Society of Civil Engineers. *Resilient Cities. Scenarios 2019* [Accessed 17 May 2021]; Available from: <https://www.futureworldvision.org/scenarios/resilient-cities>.
151. United Nations Environment Programme. *Investing in Sustainable and Resilient Infrastructure "Principles for Recovery"*. 2020; Available from: <https://wedocs.unep.org/bitstream/handle/20.500.11822/32707/SIPR.pdf?sequence=1&isAllowed=y>.
152. Sheng, Y. and A. Brown, *Prosperity for all; Enhancing the informal economy through participatory slum upgrading*. 2020: Nairobi. Available from: https://unhabitat.org/sites/default/files/download-manager-files/Prosperity%20for%20all_English.pdf
153. Favretto, N., et al., Editorial for Special Issue: *"Collaboration and Multi-Stakeholder Engagement in Landscape Governance and Management in Africa: Lessons from Practice"*. Land, 2021. 10(3). Available from: https://www.mdpi.com/journal/land/special_issues/landscape_governance_africa
154. Gannon, K.E., et al., *What role for multi-stakeholder partnerships in adaptation to climate change? Experiences from private sector adaptation in Kenya*. Climate Risk Management, 2021. 32: p. 100319. Available from: <https://www.sciencedirect.com/science/article/pii/S2212096321000486>
155. REN21, *Renewables 2020 Global Status Report*. 2020: Paris. Available from: https://www.globalwomensnet.org/wpcontent/uploads/2020/06/GSR2020_Full_Report_with_Endnotes.pdf
156. Arce, R. and N. Gulló'n, *The application of Strategic Environmental Assessment to sustainability assessment of infrastructure development*. Environmental Impact Assessment Review, 2000. 20. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S0195925500000500>
157. Rosenzweig, C., et al., *Mitigating New York City's Heat Island with Urban Forestry, Living Roofs, and Light Surfaces*. 2006. Available from: <https://ams.confex.com/ams/pdfpapers/103341.pdf>
158. Association for Vertical Farming. *About Vertical Farming*. 2018; Available from: <https://vertical-farming.net/vertical-farming/>.
159. City of Melbourne. *Green Our Rooftop project*. 2018; Available from: <https://www.melbourne.vic.gov.au/community/greening-the-city/green-infrastructure/Pages/green-our-rooftop-project.aspx>.

160. Caplow, T., *Building Integrated Agriculture: Philosophy and Practice, in Urban Futures 2030, Visionen künftigen Städtebaus und urbaner Lebensweisen*. 2009, Heinrich-Bo 'll- Stiftung: Berlin.
161. Astee, L.Y. and N.T. Kishnani, *Building Integrated Agriculture: Utilising Rooftops for Sustainable Food Crop Cultivation in Singapore*. *Journal of Green Building*, 2010. 5(2): p. 105-113. Available from: <https://meridian.allenpress.com/jgb/article/5/2/105/199529/Building-Integrated-Agriculture-Utilising-Rooftops>
162. United Nations Educational Scientific and Cultural Organization and UN-WATER, *The United Nations World Water Development Report 2020: Water and Climate Change*. 2020, Paris: UNESCO. Available from: <https://unesdoc.unesco.org/ark:/48223/pf0000372985/PDF/372985eng.pdf.multi>
163. Seto, K.C., et al., *Human Settlements, Infrastructure, and Spatial Planning, in Human Settlements, Infrastructure and Spatial Planning. In: Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, R. Caervero and J.T. Martinez, Editors. 2014, Cambridge University Press: Cambridge. Available from: https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc_wg3_ar5_chapter12.pdf
164. Greater London Authority, *On the right lines? Vegetation Management on London's Railway Embankments*. 2012: London. Available from: https://www.london.gov.uk/sites/default/files/gla_migrate_files_destination/Embankments%20Final%20Report%20AB%20190112.pdf
165. van Oosterzee, P., *Wildlife interrupted*. *New Scientist*, 2017. 236(3155): p. 32-35. Available from: https://www.researchgate.net/publication/321701899_Wildlife_interrupted
166. The World Bank, *Africa Can Help Feed Africa, Removing barriers to regional trade in food staples*. Poverty Reduction and Economic Management, Africa Region. 2012, Washington D.C. Available from: <https://openknowledge.worldbank.org/bitstream/handle/10986/26078/733870WP0P12710n0Feed0Africa0Report.pdf?sequence=1&isAllowed=y>
167. Van der Ree, R., D.J. Smith, and C. Grilo, *Handbook of road ecology*. 2015.

