



## **the eco list**

a resource for anyone interested in learning about climate change. it's a basic primer and not intended to be all encompassing. climate change and sustainability are big topics with rapidly changing developments.

### **RECOMMENDED BOOKS**

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**CRADLE-TO-CRADLE, William McDonough + Michael Braungart**

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**HOW TO AVOID A CLIMATE DISASTER, Bill Gates**

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**DRAWDOWN, Paul Hawken**

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**GROWTH, Vaclav Smil**

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**DONUT ECONOMICS, Kate Raworth**

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**SILENT SPRING, Rachel Carson**

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**THE SIXTH EXTINCTION, Elizabeth Kolbert**

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**THE OMNIVORE'S DILEMMA, Michael Pollan**

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**EARTH ODYSSEY, Mark Hertsgaard**

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**ADAPTATION: An Earth Institute Sustainability Primer  
(Columbia University Earth Institute Sustainability  
Primers), Lisa Dale**

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LEARNING TOOLS FOR DESIGNERS/BUSINESS		LINK
tools	IDEO + MACARTHUR FOUNDATION CIRULAR DESIGN GUIDE	<a href="https://www.circulardesignguide.com/">https://www.circulardesignguide.com/</a>
	ISO 14067:2018 - CARBON FOOTPRINT	<a href="https://www.iso.org/standard/71206.html">https://www.iso.org/standard/71206.html</a>
	USA - YOUR HOUSEHOLD FOOTPRINT	<a href="https://www3.epa.gov/carbon-footprint-calculator/">https://www3.epa.gov/carbon-footprint-calculator/</a>
	LIFECYCLE ASSESSMENT: GSA	<a href="https://sftool.gov/learn/about/400/life-cycle-assessment">https://sftool.gov/learn/about/400/life-cycle-assessment</a>
	LIFECYCLE ASSESSMENT: SCIENCE DIRECT	<a href="https://www.sciencedirect.com/topics/earth-and-planetary-sciences/life-cycle-assessment">https://www.sciencedirect.com/topics/earth-and-planetary-sciences/life-cycle-assessment</a>
	LIFECYCLE ASSESSMENT: PENN STATE	<a href="https://www.education.psu.edu/eme807/node/690">https://www.education.psu.edu/eme807/node/690</a>
	LIFECYCLE ASSESSMENT: UC DAVIS	<a href="http://www.designlife-cycle.com/">http://www.designlife-cycle.com/</a>
	LIFECYCLE ASSESSMENT: GREENHOUSE GAS PROTOCOL	<a href="https://ghgprotocol.org/sites/default/files/standards/Product-Life-Cycle-Accounting-Reporting-Standard_041613.pdf">https://ghgprotocol.org/sites/default/files/standards/Product-Life-Cycle-Accounting-Reporting-Standard_041613.pdf</a>
	GREENHOUSE GAS: CALCULATIONS	<a href="https://ghgprotocol.org/ghg-emissions-calculation-tool">https://ghgprotocol.org/ghg-emissions-calculation-tool</a>
courses	CIRCULAR ECONOMY: UNIVERSITY OF CAMBRIDGE	<a href="https://online.em.jbs.cam.ac.uk/circular-economy-sustainability-strategies?utm_source=Google&amp;utm_medium=c&amp;utm_term=sustainability&amp;utm_location=9032938&amp;utm_campaign=">https://online.em.jbs.cam.ac.uk/circular-economy-sustainability-strategies?utm_source=Google&amp;utm_medium=c&amp;utm_term=sustainability&amp;utm_location=9032938&amp;utm_campaign=</a>
	THE UNSCHOOL OF DISRUPTIVE DESIGN	<a href="https://www.unschools.co/">https://www.unschools.co/</a>
	GREENHOUSE GAS PROTOCOL	<a href="https://ghgprotocol.org/training-capacity-building">https://ghgprotocol.org/training-capacity-building</a>
TOPIC	ARTICLES	LINK
plastics	PLASTICS RECYCLING	<a href="https://fortune.com/longform/plastics-global-recycling-problem/">https://fortune.com/longform/plastics-global-recycling-problem/</a>
	MICROPLASTICS	<a href="https://time.com/5601359/microplastics-in-food-air/">https://time.com/5601359/microplastics-in-food-air/</a>
electric vehicles	GLOBAL ELECTRIC VEHICLE OUTLOOK 2020	<a href="https://www.iea.org/reports/global-ev-outlook-2020">https://www.iea.org/reports/global-ev-outlook-2020</a>

battery	LITHIUM BATTERY IMPACT	<a href="https://www.wired.co.uk/article/lithium-batteries-environment-impact">https://www.wired.co.uk/article/lithium-batteries-environment-impact</a>
	COBALT-FREE BATTERY DEVELOPMENT	<a href="https://cen.acs.org/energy/energy-storage/Lithium-ion-batteries-cobalt-free/98/i29">https://cen.acs.org/energy/energy-storage/Lithium-ion-batteries-cobalt-free/98/i29</a>
	COBALT-FREE BATTERY DEVELOPMENT	<a href="https://www.newscientist.com/article/2234567-can-we-quit-cobalt-batteries-fast-enough-to-make-electric-cars-viable/">https://www.newscientist.com/article/2234567-can-we-quit-cobalt-batteries-fast-enough-to-make-electric-cars-viable/</a>
china	CHINA COAL POWER PLANT	<a href="https://www.reuters.com/article/us-china-coal/chinas-new-coal-power-plant-capacity-in-2020-more-than-three-times-rest-of-worlds-study-idUSKBN2A308U">https://www.reuters.com/article/us-china-coal/chinas-new-coal-power-plant-capacity-in-2020-more-than-three-times-rest-of-worlds-study-idUSKBN2A308U</a>
	CHINA'S POLICY PLAN	<a href="https://skepticalscience.com/china-14th-five-year-plan.html">https://skepticalscience.com/china-14th-five-year-plan.html</a>
europa	EUROPE + WASTE INCINERATION	<a href="https://www.wired.com/story/in-europe-backlash-heats-up-over-garbage-incinerators/?utm_source=twitter&amp;utm_medium=social&amp;utm_campaign=onsite-">https://www.wired.com/story/in-europe-backlash-heats-up-over-garbage-incinerators/?utm_source=twitter&amp;utm_medium=social&amp;utm_campaign=onsite-</a>
usa	PLASTICS: WASTE + RECYCLING	<a href="https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/plastics-material-specific-data">https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/plastics-material-specific-data</a>
	NEW NUCLEAR POWER (Bill Gates/Warren Buffet)	<a href="https://www.reuters.com/business/energy/utility-small-nuclear-reactor-firm-select-wyoming-next-us-site-2021-06-02/">https://www.reuters.com/business/energy/utility-small-nuclear-reactor-firm-select-wyoming-next-us-site-2021-06-02/</a>
	URANIUM MINING (USA)	<a href="https://www.epa.gov/radtown/radioactive-waste-uranium-mining-and-milling">https://www.epa.gov/radtown/radioactive-waste-uranium-mining-and-milling</a>
india	PLASTIC WASTE 2018-19 ANNUAL REPORT	<a href="https://cpcb.nic.in/uploads/plasticwaste/Annual_Report_2018-19_PWM.pdf">https://cpcb.nic.in/uploads/plasticwaste/Annual_Report_2018-19_PWM.pdf</a>
	NUCLEAR POWER	<a href="https://world-nuclear.org/information-library/country-profiles/countries-g-n/india.aspx">https://world-nuclear.org/information-library/country-profiles/countries-g-n/india.aspx</a>
TOPIC	ARTICLES	LINK
africa	COBALT MINING	<a href="https://www.cfr.org/blog/trumps-dangerous-rhetoric-toward-ethiopia-indicative-larger-problem">https://www.cfr.org/blog/trumps-dangerous-rhetoric-toward-ethiopia-indicative-larger-problem</a>
	PLASTICS' WASTE IMPACT	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7530290/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7530290/</a>
s. america	FRESH WATER + CLIMATE CHANGE	<a href="https://www.un.org/en/chronicle/article/climate-change-and-freshwater-latin-america-and-caribbean">https://www.un.org/en/chronicle/article/climate-change-and-freshwater-latin-america-and-caribbean</a>
australia	GOVERNMENT INITIATIVES	<a href="https://www.industry.gov.au/policies-and-initiatives/australias-climate-change-strategies">https://www.industry.gov.au/policies-and-initiatives/australias-climate-change-strategies</a>
	IMPACT OF CLIMATE CHANGE	<a href="https://www.csiro.au/en/research/environmental-impacts/climate-change/climate-change-information">https://www.csiro.au/en/research/environmental-impacts/climate-change/climate-change-information</a>

polar caps	IMPACT OF CLIMATE CHANGE	<a href="https://www.worldwildlife.org/pages/six-ways-loss-of-arctic-ice-impacts-everyone-#:~:text=Pol%20ice%20caps%20are%20melting,declined%20by%20a%20stunning%2095%25.">https://www.worldwildlife.org/pages/six-ways-loss-of-arctic-ice-impacts-everyone-#:~:text=Pol%20ice%20caps%20are%20melting,declined%20by%20a%20stunning%2095%25.</a>
	SEA ICE IMPACT	<a href="https://oceanservice.noaa.gov/facts/sea-ice-climate.html">https://oceanservice.noaa.gov/facts/sea-ice-climate.html</a>
e-waste	A CIRCULAR VISION FOR E-WASTE	<a href="http://www3.weforum.org/docs/WEF_A_New_Circular_Vision_for_Electronics.pdf">http://www3.weforum.org/docs/WEF_A_New_Circular_Vision_for_Electronics.pdf</a>
systems and forums	SYSTEMS' CHANGE	<a href="https://www.academyforchange.org/">https://www.academyforchange.org/</a>
	CIRCULAR ECONOMY + CLIMATE	<a href="https://www.wcefplusclimate.com/">https://www.wcefplusclimate.com/</a>
	FOOD SYSTEMS	<a href="https://milkeninstitute.org/videos/reshaping-food-systems-sustainability">https://milkeninstitute.org/videos/reshaping-food-systems-sustainability</a>
OCEANS		LINK
	OCEAN CONSERVATION + CARBON CAPTURE	<a href="https://www.runningtide.com/">https://www.runningtide.com/</a>
	STOPPING OCEAN PLASTIC POLLUTION	<a href="https://www.systemic.earth/wp-content/uploads/2020/07/BreakingThePlasticWave_MainReport.pdf">https://www.systemic.earth/wp-content/uploads/2020/07/BreakingThePlasticWave_MainReport.pdf</a>
	OCEAN CONSERVATION + WASTE CAPTURE	<a href="https://www.parley.tv/#fortheoceans">https://www.parley.tv/#fortheoceans</a>
	GREAT BARRIER REEF + CLIMATE CHANGE	<a href="https://www.gbrmpa.gov.au/our-work/threats-to-the-reef/climate-change">https://www.gbrmpa.gov.au/our-work/threats-to-the-reef/climate-change</a>
ZERO WASTE COMPANIES (their claim)		LINK
	PORTLAND GARMENT FACTORY	<a href="https://www.portlandgarmentfactory.com/">https://www.portlandgarmentfactory.com/</a>
	PERENNIAL	<a href="https://www.perennial.co/about">https://www.perennial.co/about</a>
	PUBLIC GOODS	<a href="https://www.publicgoods.com/">https://www.publicgoods.com/</a>
	UNSPUN (jeans made using your avatar to reduce waste)	<a href="https://www.unspun.io/">https://www.unspun.io/</a>
	SUBURU (Indiana factory zero waste to landfill)	<a href="https://www.scientificamerican.com/custom-media/scjohnson-transparent-by-design/zerowastefactory/">https://www.scientificamerican.com/custom-media/scjohnson-transparent-by-design/zerowastefactory/</a>

UPCYCLING	LINK
VINYL BILLBOARD WASTE INTO BAGS	<a href="https://www.rareform.com/">https://www.rareform.com/</a>
TEXTILE WASTE INTO BAGS	<a href="https://www.looptworks.com/">https://www.looptworks.com/</a>
MATERIALS	LINK
OCEAN PLASTIC	<a href="https://bureo.co/pages/netplus">https://bureo.co/pages/netplus</a>
FURNITURE (USING CEREAL WASTE FROM BEER PROCESS)	<a href="https://insteadmobilier.fr/">https://insteadmobilier.fr/</a>
MYLO (MUSHROOM LEATHER)	<a href="https://www.mylo-unleather.com/-:text=MeetMylo%20engineers%20at%20Bolt%20Threads%20">https://www.mylo-unleather.com/-:text=Meet Mylo™_engineers at Bolt Threads™</a>
APPAREL	<a href="https://betterworldapparel.com/learn/sustainable-materials/">https://betterworldapparel.com/learn/sustainable-materials/</a>
BAMBOO AS FABRIC	<a href="https://www.treehugger.com/is-bamboo-fabric-sustainable-5078509">https://www.treehugger.com/is-bamboo-fabric-sustainable-5078509</a>
CORK: PORTUGAL LAND USE	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3990040/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3990040/</a>
CORK: FSC CERTIFIED	<a href="https://wwf.panda.org/wwf_news/?21691/Mediterranean-cork-forests-receive-first-ever-FSC-certification">https://wwf.panda.org/wwf_news/?21691/Mediterranean-cork-forests-receive-first-ever-FSC-certification</a>
CORK: CARBON FOOTPRINT	<a href="https://www.corkqc.com/pages/carbon-footprint">https://www.corkqc.com/pages/carbon-footprint</a>