

Power and Environment: Sustainability Tangled up with Coloniality, Gender and Race LAS 6938/ ANG 6930

Spring 2024, Mondays periods 3-5 (9:35-12:35) Grinter Hall 376

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How does power operate in and through ecosystems, earth systems, bodies, and knowledges? Participants work with basic tools of sustainability science: ecological and carbon footprints, supply chain analysis, societal metabolism and material flows quantifications, consumption diaries, and more. They examine coloniality, gender, and racialization in environmental governance systems, sociocultural institutions, and scientific theory and methods. With intersectional analysis, for example, actors who embody hegemonic masculinities via application of technologies to exploit nature for profit are distinguished from those bearing subordinate masculinities via labor in extractive industries that degrades their bodies and ecosystems. Anti-racist studies and decolonial feminisms help to illuminate the power of hierarchical binaries (e.g., human over nature, man over woman, white over non-white, western science over traditional ecological knowledge) that continue to underpin much research and practice in sustainable development. Buen vivir, degrowth, and feminist theories of care illuminate approaches to regenerating healthy socio-ecosystems.

This course counts toward Graduate Certificate in Latin American Studies, Conceptual Core course in Tropical Conservation and Development, elective in Gender Studies, and may be petitioned to fulfill Sustainability Science or Social Science requirements in Interdisciplinary Ecology.



"The Earth is what we all have in common." —Farmer Poet Wendell Berry.

"Anyone who believes in indefinite growth on a physically finite planet, is either mad or an economist."
— Economist Kenneth E. Boulding

"Despite, and because of, great acceleration of scientific knowledge and technology over the last few hundred years, human-nature systems are in danger of collapse" (Parra and Walsh 2016: 229).

LITERATURE AND OTHER MATERIALS

- Participants need to obtain one book (*available as audiobook and free pdf download*): *Less is More, How Degrowth will Save the World*, by Jason Hickel 2020.
- Most readings are available electronically through UF libraries.
- Videos, podcasts, news and other materials are available on the internet OR on Canvas.
- Students may select among readings available in English, Portuguese and Spanish.



LEARNING OBJECTIVES

The goal of this course is to motivate participants to see environmental issues in new ways and empower them to develop transformative responses.

Students who engage actively in this course will develop capacities to:

1. Exercise skills and strategies for transformative research and practice.
2. Identify power-environment dynamics in diverse empirical cases, some in Latin America.
3. Apply tools of sustainability science including ecological/carbon footprint measures, material flows and supply chain analysis, ecosystems assessment, consumption diary, and resilience science.
4. Investigate global distributions and flows of natural resources, waste and emissions, finances, and environmental refugees.
5. Ask how coloniality, race, and gender interact with all other topics and learning objectives.
6. Assess contrasting approaches to human-environment relations: sustainable development, ecological economics, resilience science, eco-modernism, eco-feminisms, decolonial feminisms, buen vivir, and degrowth.
7. Use evidence-based writing to describe specific aspects of human-environment dynamics, and to make arguments about power relations at play therein.
8. Reflect critically on their own habits and lifestyles, the socio-environmental impact of their choices, and ways to forge more meaningful and sustainable lives.
9. Visualize projects and pathways for building more equitable and resilient futures.

TOPICS AND ISSUES EXPLORED

- The long story: 4 billion years of life on earth; 200,000 years of modern human populations; 200 years of fossil fueled industrial capitalism
- Very recent turns of human history: plantiocene, capitalocene, anthropocene, modern development
- Sustainability science tools: ecological/carbon footprint measures, calculating embodied material and energy, decoupling, global supply chains, ecosystems and earth systems dynamics, resilience science

- Sustainability science analyses: ecological economics, material flows analyses, unequal ecological/economic exchange, environmental refugees and migration, Jevon's paradox, environmental Kuznets curve
- Coloniality/decoloniality of knowledge and practice, binary hierarchies, ecological imperialism, climate coloniality
- Latin American Perspectives and approaches: Postdevelopment pathways, Buen Vivir, decolonial feminisms, communitarian feminisms, Indigenous-led conservation, territoriality
- Conserving the biome (biodiversity, biomass, habitat): Debate among models: fortress, market-based, Indigenous-led, ecomodernist, ecofeminist, and convivial conservation
- World-making technologies
- Sex, greed, progress: myths of biological determinism, paradigm of binary hierarchies
- Gender as systems for (re)producing socialized humans, relationships, lifeworlds. Evolving feminisms, masculinities, and other
- Racialization as systems for engineering and justifying environmental exploitation, calls for environmental justice
- Food and bodies
- Theories of power and change: UNEP/UNDRIP/IPCC, grassroots struggles for environmental justice, extinction rebellion, caring and commons, territoriality, prefigurative lives
- Alliances, south-south collaborations, governance, conviviality
- Teaching, learning, forging futures: Locating self and finding agency in power, knowledge, environment

LEARNING METHODS AND PRACTICES

This course brings together ideas and approaches from biology, ecology, anthropology, geography, forestry, economy, sociology, agronomy, political science, environmental studies, development studies, and religious and spiritual studies. Participants explore tensions and possibilities among different assumptions, purposes, and criteria for truth or usefulness.

Course participants meet in person once each week with presentations, guest speakers, and participatory learning activities.

Conversations and interactions develop throughout each week on the course CANVAS website, interconnecting all participants in a virtual intellectual community.

Attendance is required. Class meetings are a vital part of this course. All students are expected to complete readings before class, and to participate actively in classroom learning. Absences will be reflected in grades. Classes will involve a great deal of interaction and discussion, and participants are encouraged to learn collaboratively with respect, enthusiasm, and open minds.

Personal technology in the classroom. During most regular class time students will be fully engaged in live interaction, without access to personal technology devices (laptops, smartphones, mobile phones, iPads, and similar technologies). The instructor will indicate when devices may be used for select class activities. Exceptions will be made for students who use personal technology devices in relation to special needs, or students who anticipate emergency calls. Presentations will be available on CANVAS, reducing need for notes.

ACADEMIC RESOURCES

- Latin American and Caribbean Collection at UF Libraries:** Specialized staff support use and enjoyment of the 500,000 volumes, 50,000 microforms, thousands of current and historical serial titles and digital resources in [this world-class collection](#). LACC library staff provide expert help in online searches for research and study materials.
- Engagement with UF events** in dialogue with this course
[Latin American Studies Center events](#) calendar:
[LGTBQ, Gender Rights and Democracy](#). Keynote Speech, 71st UF LAS conference: Dr. Flávia Biroli, Thursday, February 29
[Tropilunch seminar](#), 12:45 every Tuesday in Grinter 376
[Tropical Conservation and Development news](#) and events
[School of Natural Resources and Environment Seminar](#) Mondays 1:55
 Department of [Gender, Sexuality and Women’s Studies](#) events
- Academic Writing, Grammar and Style:** the [UF Writing Studio](#) is committed to helping University of Florida students and faculty meet their academic and professional goals by becoming better writers. We support independent learning and scholarship by providing one-on-one consultations, workshops tailored to specific classes (graduate and undergraduate), and faculty retreats focusing on publishing original research. Students and faculty at all levels and in every discipline are welcome!
- Technical difficulties with E-learning in CANVAS:** Contact the [UF Help Desk](#) at Learning-support@ufl.edu or (352) 392-HELP, then select option 2.

LEARNING ACTIVITIES (detailed guidelines and grading criteria provided separately)

Learning activity	Due Date	Maximum points earned
Weekly contribution to CANVAS discussion board (10 commentaries @ 2 points each)	Each Sunday	20
Attendance and participation	All semester	10

Presentation on issue of interest	All semester	Not graded
5-part sustainability science activity (40 points total)		
Consumption diary: practice and meaning		5
Critical engagement w ecological/carbon footprint (short paper)		5
Supply chain & embodied consumption (short paper)		5
Presentation, visuals, timing within 5 minutes		5
Paper synthesizing previous 4 activities: Analysis of my role in ecological/economic flows and global value chains		20
Debate analysis project, collaborative (30 pts total)		
Draft project		15
Final project		15

Letter grades will be implemented using the following scale

95-100	A	78-79.99	C+	60-62.99	D-
90-94.99	A-	73-77.99	C	0-59.99	F
88-89.99	B+	70-72.99	C-		
83-87.99	B	68-69.99	D+		
80-82.99	B-	63-67.99	D		

UF POLICIES

Students Requiring Accommodations

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the [Disability Resource Center](#). It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here](#) for guidance on how to give feedback in a professional and respectful manner. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. [Summaries of course evaluation results are available to students here.](#)

University Honesty Policy

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” [The Honor Code](#) specifies behaviors that violate this code and possible sanctions. You are obligated to report any condition that facilitates academic misconduct to

appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Software Use

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Student Privacy

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see the [Notification to Students of FERPA Rights](#).

In-Class Recording

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled, and publication without permission of the instructor is prohibited. Please consult [UF regulations](#).

COVID-19 Protocols and Resources

UF [practices and resources](#) are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones. Regularly visit [coronavirus.UFHealth.org](#) and [coronavirus.ufl.edu](#) for up-to-date information about COVID-19 and vaccination.

CAMPUS RESOURCES

Students experiencing crises or personal problems are encouraged to utilize the university's confidential counseling resources. Resources are also available for students seeking to clarify career and academic goals and to deal with academic challenges.

U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: counseling.ufl.edu/cwc, and 392-1575.

University Police Department: 392-1111 or 9-1-1 for emergencies.

Student Mental Health, Student Health Care Center, 392-1171, personal counseling.

Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

Sexual Assault Recovery Services (SARS) Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or police.ufl.edu.

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.

Library Support, Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

[Student Complaints](#)

Glimpse of literature and film we will explore, to be prioritized in response to interests of course participants

1. The long story: 4 billion years of life on earth; 200,000 years of modern human populations; 200 years of fossil fueled industrial capitalism

Excerpt from *The Overstory*, Richard Powers.

Botany of Desire I, and Botany of Desire 2 by Michael Pollan, watch videos, 40 min each, note every instance power dynamics that you see.

Frantisek Baluska & Stefano Mancuso. 2020. Plants, climate and humans. Plant intelligence changes everything. *Science & Society*

Kate Ravillious, 2021. Survival of the friendliest? Why Homo sapiens outlived other humans We once shared the planet with at least seven other types of human. Ironically, our success may have been due to our deepest vulnerability: being dependent on others. *New Scientist*.

Where did they all go? How Homo sapiens became the last human species left | Science | The Guardian
<https://www.theguardian.com/science/2023/nov/18/where-did-other-human-species-go-vanished-ancestors-homo-sapiens-neanderthals-denisovans>

The Agricultural Revolution *Crash Course World History* #1, John Green. video 11 min

Debate: what fueled the industrial revolution?

#1 The Industrial Revolution was launched by brilliant inventions by European men. history.com web

#2 Sven Beckert. 2015. How the west got rich and modern capitalism was born through appropriation and exploitation. PBS short article

2. Very recent turns of human history: plantationocene, capitalocene, anthropocene, modern development

Capitalism - A Creation Story, Chapter 1 in *Less is More*.

Rise of the Juggernaut, Chapter 2 in *Less is More*.

Waters et al. 2016. The Anthropocene is functionally and stratigraphically distinct from the Holocene, *Science*. The Anthropocene and the Near Future: Crash Course Big History #9, John Green. Video 12 min.

Jason Moore and Rebecca Hastings. 2017. Capitolocene and Planetary Justice. **3pp**

Maan Barua, Rebeca Ibáñez Martín, and Marthe Achtnich. 2023. Introduction: Plantationocene. FROM THE SERIES: Plantationocene. Society for Cultural Anthropology.

Mariana Riquito. 2021. ANTROPOCENO PATRIARCAL, PETRO-MASCULINIDADES E MASCULINIDADES INDUSTRIAIS: DIÁLOGOS FEMINISTAS SOBRE A CRISE CLIMÁTICA. *ex æquo*, n.º 43, pp. 15-29. DOI: <https://doi.org/10.22355/exaequo.2021.43.02>

Christian Kroll and Kofi Anan. 2015. Sustainable Development Goals: Are the rich countries ready? Read executive summary, browse

Jason Hickel. 2015. Forget 'developing' poor countries, it's time to 'de-develop' rich countries, *The Guardian* news

Roger Cohen, 2023. Davos Confronts a New World Order. NYT article

Adam Kirsch 2023. The People Cheering for Humanity's End. *The Atlantic*.

Men, Masculinities, and Development. Parpart, *The Routledge Handbook of Gender and Development*, 2015. Overview of approaches to (or avoidance of) gender and men in development industry. On canvas 9pp

3. Sustainability science tools: ecological/carbon footprint measures, calculating embodied material and energy, decoupling, global supply chains, ecosystems and earth systems dynamics, resilience science

Clément Auger et al. 2021. Open-Source Carbon Footprint Estimator: Development and University Declination MDPI.

Earth Systems explained: atmosphere, geosphere, hydrosphere, biosphere, Encyclopedia.com

Earth science offers key to many United Nations Sustainable Development Goals, *Nature Geoscience*, 2015, news brief

Steffen et al. 2015. Planetary boundaries: Guiding human development on a changing planet. *Science*, 12pp

Decoupling Debunked Evidence and arguments against green growth as a sole strategy for sustainability. *European Environmental Bureau*, 2019.

For inspiration check out this amazing presentation of [commodity chain around cotton produced in India](#) with emphasis on power dynamics over time and space. The story map involves contributions from a number of researchers at different parts of the cotton supply chain, in attempts to convey aspects and impacts across time and space. From [Andrew Flachs](#), Purdue University.

Look at Juliet Schor's Ecological Economics article, finding inspiration in the ways that she analyzes power relations in the value [chains of bananas and clothing](#). Note her identification of precise salary and benefit advantages obtained through off-shore labor, specific expressions of military and political power (invasion of Guatemala), particular manipulation of international convention (WTO), etc. Note that sources of this information are carefully documented.

[Best Practice Guideline for Agricultural and Value Chains](#). International Federation of Organic Agriculture Movements.

Gary Gereffi, John Humphrey, Raphael Kaplinsky, and Tim Sturgeon (2001) "[Globalisation, Value Chains and Development](#)." *IDS Bulletin* 32 (3).

TED Talk by A.J. Jacobs. [My journey to thank all the people responsible for my morning coffee](#).

[Thanks a Thousand: A Gratitude Journey](#).

4. Sustainability science analyses: ecological economics, material flows analyses, unequal ecological/economic exchange, environmental refugees and migration, Jevon's paradox, environmental Kuznets curve

Pablo Alonso-Fernandez, Rosa María Regueiro-Ferreira. 2022. Extractivism, ecologically unequal exchange and environmental impact in South America: [A study using Material Flow Analysis](#) (1990–2017) *Ecological Economics* Volume 194.

Jason Hickel, Christian Dorninger, Hanspeter Wieland, Intan Suwandi. 2022. "Imperialist appropriation in the world economy: Drain from the global South through unequal exchange, 1990–2015". *Global Environmental Change*, 73: 102467.

Special Section on "[Ecologically unequal exchange and ecological debt](#)," edited by Alf Hornborg and Joan Martinez-Alier. 2016. *Journal of Political Ecology*.

M. Leach et al. 2018. [Equity and sustainability in the Anthropocene](#): a social–ecological systems perspective on their intertwined futures, *Global Sustainability*. 10pp

Frey, S., P. Gellert and H. Dahms (ed.). 2019. *Ecologically Unequal Exchange: Environmental Injustice in Comparative and Historical Perspective*. Springer International Publishing; Palgrave Macmillan.

Richard Wilkenson, How [Economic Inequality Harms Societies](#) TED Talk 16 min

Fatema Z. Sumar 2022, [Why inequality is growing](#) in the US and around the world, Phys.org.

Post-War Industrialization despite or through Asymmetric Development?

5. Coloniality/decoloniality of knowledge and practice, binary hierarchies, ecological imperialism, climate coloniality

Menonte Nenquimo, 2020. This is my message to the Western world: your civilization is killing life on Earth, *The Guardian* 1pp

Caceres, Berta. 2015. Goldman Prize Acceptance Speech. Video 3 minutes

Renzo Taddei et al. Decolonizing the Anthropocene. 2022. In *The International Encyclopedia of Anthropology*. Edited by Hilary Callan and Simon Coleman. © 2022 John Wiley & Sons, Ltd. Published 2022 by John Wiley & Sons, Ltd. DOI: 10.1002/9781118924396.wbiea2519

Farhana Sultana, 2022. The unbearable heaviness of climate coloniality. *Political Geography*, 10pp

Sultana, Farhana. 2023. 'Whose Growth in Whose Planetary Boundaries? Decolonising Planetary Justice in the Anthropocene'. *Geo: Geography and Environment* 10 (2): e00128. <https://doi.org/10.1002/geo2.128>.

Harini Nagendra 2018. The global south is rich in sustainability lessons Educators must share how communities in the developing world manage environmental change — a Western bias limits progress.

Miram Lang et al, ed. 2023. *The Geopolitics of Green Colonialism/ Más allá del colonialismo verde Justicia global y geopolítica de las transiciones ecosociales*.

Jason Moore. 2023. "Power, Profit, and Prometheanism, Part I: Method, Ideology, and the Violence of the Civilizing Project." *Journal of World-Systems Research* 28(2): 415–426 <https://doi.org/10.5195/jwsr.2022.1140>

Jason Moore. 2023. Power, Profit, and Prometheanism, Part II Superexploitation in the Web of Life. *Journal of World-Systems Research* Vol 29(2). DOI 10.5195/JWSR.2023.1225

Cecilie Vindal Ødegaard Juan Javier Rivera Andía Editors. 2019. *Indigenous Life Projects and Extractivism. Ethnographies from South America*. Open Access Book.

Standing, G. 2018. *Plunder of the Commons*. Pelican.

Padini, Nirmal and Dianne Rocheleau. 2020. "Decolonizing degrowth in the post-development convergence: Questions, experiences, and proposals from two Indigenous territories." *Environment and Planning E: Nature and Space*. 19pp

Jason Moore Nov 202. On the Origins of Climate Apartheid, Climate Class & Colonialism in the Making of Planetary Crisis. 55 min talk plus discussion

Political Ecology of Extractive Industries and Indigenous Peoples. *Public Political Ecology Lab PPEL* Explore Website

Al Gedicks. 2015. Transnational Mining, Environment, Indigenous Communities. *Brown Journal of World Affairs*. 18pp

6. Latin American Perspectives and approaches: Postdevelopment pathways, Buen Vivir, decolonial feminisms, communitarian feminisms, Indigenous-led conservation, territoriality

Lizbeth NÚÑEZ-CARRASCO et al. 2023 Social capital, biocultural heritage, and commoning for inclusive sustainability of peasant agriculture: three case studies in Argentina, Bolivia, and Chile. *Desenvolvimento e meio ambiente*.

Gustavo Esteva, Salvatore Babones, and Philipp Babczyk. 2021 POSDESARROLLO contextos, contradicciones, futuros.

José Rubens Morato et al. organizadores, 2022. GEODIREITO, JUSTIÇA CLIMÁTICA E ECOLÓGICA. Perspectivas para a América Latina

Porto-Gonçalves, Carlos Walter, and Enrique Leff. "Political Ecology in Latin America: The Social Re-Appropriation of Nature, the Reinvention of Territories and the Construction of an Environmental Rationality." *Desenvolvimento e Meio Ambiente* 35 (December 24, 2015). <https://doi.org/10.5380/dma.v35i0.43543>.

Maristella Svampa. 2019. Neo-Extractivism in Latin America Socio-environmental Conflicts, the Territorial Turn, and New Political Narratives. Open-access book.

Londres et al. 2023. Place-based solutions for global social-ecological dilemmas: An analysis of locally grounded, diversified, and cross-scalar initiatives in the Amazon. *Global Environmental Change*.

Barry K Gills and Dr. S A Hamed Hossieni, 2022. Pluriversality and beyond: consolidating radical alternatives to (mal-)development as a Commonist project. *Sustainability Science* 9pp

Boaventura de Sousa Santos. 2016. Epistemologies of the South and the future. University of Coimbra. <http://europeansouth.postcolonialitalia.it>

José Astudillo Banegas PRÁCTICAS DEL BUEN VIVIR Experiencias en comunidades shuar, kichwa y manteña.

Kothari, A., F. Demaria and A. Acosta. 2014. Buen Vivir, Degrowth and ecological Swaraj: Alternatives to sustainable development and the Green Economy. *Development*, 12pp

Ailton Krenak (Brazil) - on protecting the Earth. Gaia Foundation. Video 1.33 minutes

7. Conserving the biome (biodiversity, biomass, habitat): Debate among models: fortress, market-based, Indigenous-led, ecomodernist, ecofeminist, and convivial conservation

Global Assessment Report 2019, UNEP *Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services*. Browse (for summary, see Jonathan Watts. 2019. Discussion of the Biodiversity report, *The Guardian*)

UNEP 2021. Making Peace with Nature A scientific blueprint to tackle the climate, biodiversity and pollution emergencies. *Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services*. Read executive summary 32 pp (check out visual features).

2022 United Nations Biodiversity Conference COP15 / CP-MOP10 / NP-MOP4

COP15: FINAL TEXT OF KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK. Browse in any UN language

2022 COP15 biodiversity deal is 'new era' for Indigenous-led conservation *New Scientist*, news brief

Ian Sample. 2017. Over half of world's wild primate species face extinction, *The Guardian News*

Rafael Ziegler. 2022. Social innovation for biodiversity: A literature review and research challenges. *Ecological Economics*.

Debate among approaches: how is each applying TEK? western sci knowledge (economics, biology, ecology, law)? How does coloniality and decoloniality play out? What are dynamics of power in each conservation approach?

1. Fortress conservation: western science, 30 by 30, half earth (colonial geopolitics)
2. Market based conservation: REDD+, carbon taxes, payment for ecosystem services
3. Indigenous-led conservation: IP forest management, decolonial, conservation through reconciliation, [people, plants, policy lab](#)
4. Ecomodernist conservation: high-tech innovations and scientific planning
5. Ecofeminist and masculinities approaches to conservation
6. Convivial conservation: foster mutually-nourishing interactions, biocultural, spiritual, TEK, agroforestry

Carol Colfer, 2020. Masculinities in Forests. Browse open source book.

Kolinjivadi, V., Van Hecken, G., and Merlet, P. (2023). Fifteen years of research on Payments for Ecosystem Services (PES): Piercing the bubble of success as defined by a Northern-driven agenda. *Global Environmental Change* 83: 102758. <https://doi.org/10.1016/j.gloenvcha.2023.102758>.

Audrey Joslin. 2023. Struggles for recognitional justice through payments for ecosystem services contracts in Ecuador's Andes. *Geoforum* 145.

Survival International's Decolonize Conservation campaign:

- <https://aplanetainfo.wordpress.com/2022/11/17/kontserbazioa-deskolonizatzea/>
- <https://aplanetainfo.wordpress.com/a-c-a-b/>

Half-Earth or Whole-Earth? Green or transformative recovery? Where are the voices from the Global South? ASHISH KOTHARI, 2021. Cambridge University Press 2pp

Half Earth project. Website

Robin McKie. 2016. *Half Earth*: Our Planet's Fight for Life by E. O. Wilson – review. *The Guardian News*

An Ecomodernist Manifesto 32pp

It is time for Ecomodernism? | Hidde Boersma | TEDxEde

Audrey Irvine-Broque Jessica Dempsey. 2022. Risky business: Protecting nature, protecting wealth? *Conservation Letters*.

Cooper, Anderson, 2021 (February 14), "Bill Gates on Climate Change," CBS 60 Minutes 13 min video

Convivial Conservation. From Protection to Connection. Explore website, read about Book by Bram Büscher and Robert Fletcher

Paulson, DeVore, Hirsch. 2021. Convivial Conservation with Nurturing Masculinities in Brazil's Atlantic Forest. 11pp

Brian Czech, 2022. A Primer on Economic Growth and Biodiversity Conservation for COP15 Steadystate.org

Kiran Asher. 2018. Fragmented Forests, Fractured Lives: Ethno-territorial Struggles and Development in the Pacific Lowlands of Colombia, *Antipode*, 18pp

Ferris Jabr. The social life of forests, 2020. *New York Times*. Choose news text or podcast

My Octopus Teacher, watch trailer

John Bellamy Foster. 2017. Eco-socialist path The Long Ecological Revolution. 15pp

Jayne Engle et al. 2022. Sacred Civics: *Building Seven Generation Cities*. Open Access book:

Benedict E Singleton, Maris Boyd Gillette, Anders Burman and Carina Green. 2021. Toward productive complicity: Applying 'traditional ecological knowledge' in environmental science. *Anthropocene Review*.

Green Extractivism and Expropriation of Emission Rights: Are Rural Workers in the Global South Subsidizing the Next Leap of Postcolonial Capitalism?

Market-based solutions to the climate crisis, such as carbon markets, generate new business opportunities for the Global North, but create a heavy burden that ultimately falls on rural working people – disproportionately on rural women – in the Global South. Affected households increasingly rely on women's unpaid productive and reproductive labor to respond to the ongoing loss of resources and livelihood strategies, Natacha Bruna argues in her contribution to the BG text series "Allied Grounds".

8. World-making technologies

Will Technology Save Us? Chapter 3 in *Less is More*.

Watch Sogeti Summit talk

World-making technology entangled with coloniality, race and gender: ecomodernist and degrowth perspectives. *Environmental Values*.

Sogeti talk 2023.

The World in 2050 (2019). [The Digital Revolution](#) and Sustainable Development: Opportunities and Challenges. Report prepared by the World in 2050 initiative. International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria. Read abstract, browse report according to interests

Alf Hornborg. 2023. Money and the Insidious Magic of Technology: The Machine as a Transformation of Slavery

Read initial webpage on [Great acceleration](#), and explore [website](#) *International Geosphere-biosphere Program*

Anitra Nelson, Vincent Liegey. 2022. These Technologies Help You Live Lightly on a Fragile Planet. Ecologically and socially friendly “convivial technologies” help the earth and us. *Scientific American*

[The Great Progression](#), 2025-2050 - Big Think, Peter Leyden. Popular article.

[The Great Transition Initiative](#). Toward a Transformative Vision and Praxis. Browse site.

[The Techno-optimist manifesto](#) 2023.

9. Sex, greed, progress: myths of biological determinism, from binary hierarchies to posthumanism

Malo Larrea et al. 2022. [Transcending the nature -society dichotomy](#): A dialogue between the Sumak Kawsay and the epistemology of complexity. *Ecological Economics*.

Collard & Dempsey. 2018. [Accumulation by difference making: an anthropocene story starring witches](#), *Gender Place and Culture*. ON CANVAS 17 pp

Freya Mathews. 2017. The Dilemma of Dualism, 15pp On Canvas

Sandilands, Catriona (12 January 2016). ["Queer Ecology: Keywords for Environmental Studies"](#). *NYU Press*.

Institute of [Queer Ecology](#)

Sam Mickey, Mary Evelyn Tucker, and John Grim, eds, 2020. *Living Earth Community: Multiple Ways of Being and Knowing* (Cambridge, UK: Open Book Publishers), <https://doi.org/10.11647/OBP.0186>

ScienceAlert: One of The Biggest Hunter-Gatherers Myths Is Finally Getting Debunked
<https://www.sciencealert.com/one-of-the-biggest-hunter-gatherers-myths-is-finally-getting-debunked>

[Population decline Scientific American.pdf](#) 2023

Carol J. Pierce Colfer, Bimbika Sijapati Basnett, and Markus Ihalainen. 2018. Making sense of intersectionality: A manual for lovers of people and forests. *Center for International Forestry Research (CIFOR)*, Easy reading 43pp

THE EGG AND THE SPERM: HOW SCIENCE HAS CONSTRUCTED A ROMANCE BASED ON STEREOTYPICAL MALE-FEMALE ROLE, *Signs*, 18pp

David Brooks. 2020. The Nuclear Family was a Mistake. David Brooks. The Atlantic 13pp.

Nature and Gender, Padini Nirmal, 2020. 7 pp On CANVAS

Rosemary-Claire Collard and Jessica Dempsey. 2018. Accumulation by difference making. An anthropocene story starring witches, *Gender Place and Culture*. On Canvas 17pp

Donna Haraway. 2017. Staying with the Trouble: Making Kin in the Chthulucene. Check out

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Recognize interplay of biological, ecological & sociocultural dynamics

Sexual dimorphism and other biological forms

Gendered human practice, production and consumption

Biocultural co-construction of gendered territories

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Workers in greenhouses in Huelva and Almería, known as the Sea of Plastic; members of the agricultural workers' initiative Jornaleras de Huelva en Lucha at a protest; these are superimposed on images of the Sea of Plastic. Artwork: Colnate Group, 2023 (cc by nc).

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