



**Literature for MESS23, Environmental Studies and
Sustainability Science: Geographies of Sustainability applies
from the spring semester 2024**

Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2023-11-22 to apply from 2023-11-22

See appendix.



LUND
UNIVERSITY

Lund University Centre for
Sustainability Studies

MESS23 LITERATURE LIST

2023-11-22

Dnr STYR 2023/2492

Miljö- och hållbarhetsvetenskap: Hållbarhetens geografi, 7,5 högskolepoäng

*Environmental Studies and Sustainability Science: Geographies of
Sustainability, 7.5 credits*

MESS23 litteraturlista fastställd av LUCSUS styrelse den 22 november
2023.

Required reading

Adger, W. N. (2006). Vulnerability. *Global environmental change*, 16(3),
268-281. (14 pages)

Agnew, J. (2011). "Space and place". In: Agnew, J. A. & Livingstone, D. N.
(eds), *The Sage handbook of geographical knowledge*, London: Sage Press,
316-331. (16 pages)

Aitken, S. and Valentine, G. (2006) Ways of Knowing and Ways of Doing
Geographic Research. In: *Approaches to Human Geography*. Chapter 1, 1-
12 (12 pages)

Allen, J. (2015) Studying Logistics. *Jacobin*.
<https://jacobin.com/2015/02/logistics-industry-organizing-labor/> (7 pages)

Anguelovski, I., Connolly, J.J.T., Cole, H. et al. 2022. Green gentrification
in European and North American cities. *Nature Communications* 13, 3816
(11 pages)

Anthias, P. (2019) Ambivalent cartographies: Exploring the legacies of
indigenous land titling through participatory mapping. *Critique of
Anthropology*, 39(2), 222-242. (21 pages)

Bai, X., McPhearson, T., Cleugh, H., Nagendra, H., Tong, X., Zhu, T., &
Zhu, Y. G. (2017). Linking urbanization and the environment: Conceptual

and empirical advances. *Annual review of environment and resources*, 42(1), 215-240. (26 pages)

Baerwald, T. J. (2010). Prospects for geography as an interdisciplinary discipline. *Annals of the Association of American Geographers*, 100(3), 493-501. (8 pages)

Barnett, J. (2020). Global environmental change II: Political economies of vulnerability to climate change. *Progress in Human Geography*, 44(6), 1172–1184. (13 pages)

Bosmans, J., Wanders, N., Bierkens, M. F., Huijbregts, M. A., Schipper, A. M., & Barbarossa, V. (2022). FutureStreams, a global dataset of future streamflow and water temperature. *Scientific data*, 9(1), 307. (10 pages)

Bongarts Lebbe, T., Rey-Valette, H., Chaumillon, É., Camus, G., Almar, R., Cazenave, A., et al. (2021). Designing coastal adaptation strategies to tackle sea level rise. *Frontiers in Marine Science*, 1640. (13 pages)

Boyd, E., Chaffin, B. C., Dorkenoo, K., Jackson, G., Harrington, L., N'guetta, A., ... & Stuart-Smith, R. (2021). Loss and damage from climate change: A new climate justice agenda. *One Earth*, 4(10), 1365-1370. (6 pages)

Brenner, N., Marcuse, P., & Mayer, M. (2012). Cities For People, Not For Profit: An Introduction. In: Brenner, N., Marcuse, P., & Mayer, M. (eds.), *Cities For People, Not For Profit* (pp. 1-10). Routledge. (10 pages)

Bulkeley, H. (2005) Reconfiguring environmental governance: Towards a politics of scales and networks. *Political Geography*, 24(8), 875-902. (27 pages)

Cadag, J.R.D., and J.C. Gaillard (2011) Integrating knowledge and actions in disaster risk reduction: the contribution of participatory mapping. *Area*. 44(1), 100-109 (9 pages)

Cadenasso, M. L., Pickett, S. T. A., & Grove, J. M. (2006). Dimensions of ecosystem complexity: heterogeneity, connectivity, and history. *Ecological complexity*, 3(1), 1-12. (12 pages)

Cook (2004) Follow the Thing: Papaya. *Antipode*, 36(4), 642-664 (23 pages)

Desai, B., Bresch, D. N., Cazabat, C., Hochrainer-Stigler, S., Mechler, R., Ponserre, S., & Schewe, J. (2021). Addressing the human cost in a changing climate. *Science*, 372(6548), 1284-1287. (3 pages)

Edmonds, D. A., Caldwell, R. L., Brondizio, E. S., & Siani, S. M. (2020). Coastal flooding will disproportionately impact people on river deltas. *Nature communications*, 11(1), 1-8. (8 pages)

Ellis, E. C. (2021). Land use and ecological change: A 12,000-year history. *Annual Review of Environment and Resources*, 46(1), 1-33 (33 pages)

Escobar, A. (2001) Culture sits in places: reflections on globalism and subaltern strategies of localization. *Political Geography*. 20, 139-174. (35 pages)

Foley, J. A., DeFries, R., Asner, G. P., Barford, C., Bonan, G., Carpenter, S. R., ... & Snyder, P. K. (2005). Global consequences of land use. *Science*, 309(5734), 570-574. (5 pages)

Gao, J., & O'Neill, B. (2021). Different Spatiotemporal Patterns in Global Human Population and Built-Up Land. *Earth's Future*, 9(8), e2020EF001920. (16 pages)

Giosan, L., Syvitski, J., Constantinescu, S., & Day, J. (2014). Climate change: Protect the world's deltas. *Nature*, 516(7529), 31-33. (3 pages)

Gregson, N. Crang, M., Ahamed, F., Akhter, N., and Ferdous, N. (2010) Following things of rubbish value: End-of-life ships, 'chock-chocky' furniture and the Bangladeshi middle class consumer. *Geoforum*, 41(6), 846-854 (9 pages)

Haasnoot, M., Lawrence, J., & Mignan, A. K. (2021). Pathways to coastal retreat. *Science*, 372(6548), 1287-1290. (3 pages)

Hay, S. I., Guerra, C. A., Tatem, A. J., Noor, A. M., & Snow, R. W. (2004). The global distribution and population at risk of malaria: past, present, and future. *The Lancet infectious diseases*, 4(6), 327-336. (10 pages)

Horlings, L.G. (2015) Values in place; A value-oriented approach towards sustainable placeshaping. *Regional Studies* 2 (1) pp. 257–274 (18 pages)

Horton, R. M., de Sherbinin, A., Wrathall, D., & Oppenheimer, M. (2021). Assessing human habitability and migration. *Science*, 372(6548), 1279-1283. (4 pages)

Huber, M. (2015) Theorising energy geographies. *Geography Compass*, 9(6), 327-338 (12 pages)

Khan, M. R., Huq, S., Risha, A. N., & Alam, S. S. (2021). High-density population and displacement in Bangladesh. *Science*, 372(6548), 1290-1293. (4 pages)

Kotsila, P., Anguelovski, I., García-Lamarca, M., and Sekulova, F. 2023. Introduction chapter. Urban sustainability beyond techno-political fixes: an exploration of ten core drivers of injustice. In: *Injustice in Urban Sustainability: Ten Core Drivers*. London: Routledge. (9 pages)

- Lasilla** (2018) Mapping mineral resources in a living land: Sami mining resistance in Ohcejohka, northern Finland. *Geoforum*, 96, 1-9 (9 pages)
- Liu, J. (2017). Integration across a metacoupled world. *Ecology and Society*, 22(4). (19 pages)
- Lund, C. (2022). Public Authority, Property, and Citizenship: What We Talk about When We Talk about Land. In Borrás and Franco, 2022. *The Oxford Handbook of Land Politics*. (11 pages)
- MacKinnon, D. (2010) Reconstructing scale: Towards a new scalar politics. *Progress in Human Geography*. 35(1), 21-36. (15 pages)
- Macfarlane, R. (2023) Geography as Generosity: An Afternoon with Barry Lopez. Orion Magazine. <https://orionmagazine.org/article/barry-lopez-from-here-to-the-horizon/> (12 pages)
- Manson, S. M. (2008). Does scale exist? An epistemological scale continuum for complex human–environment systems. *Geoforum*, 39(2), 776-788. (13 pages)
- Marston, S.A.**, Jones J.P. & Woodward, K. (2005) Human Geography without scale. *Transactions of the Institute of British Geographers*, 30(4), 416-432. (17 pages)
- Massey, D.** (2002). Globalisation: What does it mean for geography?. *Geography*, 293-296. (4 pages)
- Moss, R. H., Reed, P. M., **Hadjimichael, A.**, & **Rozenberg, J.** (2021). Planned relocation: Pluralistic and integrated science and governance. *Science*, 372(6548), 1276-1279. (3 pages)
- Nicholls, R. J., & **Cazenave, A.** (2010). Sea-level rise and its impact on coastal zones. *Science*, 328(5985), 1517-1520. (3 pages)
- Nicholls, R. J., Lincke, D., Hinkel, J., **Brown, S.**, Vafeidis, A. T., Meyssignac, B., **Hanson, S.E.**, Merkens, J.L., & **Fang, J.** (2021). A global analysis of subsidence, relative sea-level change and coastal flood exposure. *Nature Climate Change*, 11(4), 338-342. (5 pages)
- Ojeda, D.**, & **González, M. C.** (2018). Elusive space: Peasants and resource politics in the Colombian Caribbean. In: Mollet and Keep, 2018. *Land Rights, Biodiversity Conservation and Justice: Rethinking Parks and People*, 88-106. (19 pages)
- Olsson, L., & **Jerneck, A.** (2018). Social fields and natural systems. *Ecology and Society*, 23(3). (18 pages)
- Otto, F. E.** (2017). Attribution of weather and climate events. *Annual Review of Environment and Resources*, 42, 627-646. (20 pp)

Riahi, K., Van Vuuren, D. P., Kriegler, E., Edmonds, J., O’neill, B. C., Fujimori, S., Bauer, N., Calvin, K., et al. (2017). The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview. *Global environmental change*, 42, 153-168. (16 pages)

Roman LA, Conway TM, Eisenman TS, Koeser AK, Ordóñez Barona C, Locke DH, Jenerette GD, Östberg J, Vogt J. (2021). Beyond ‘trees are good’: Disservices, management costs, and tradeoffs in urban forestry. *Ambio* 50: 615-630. (16 pages)

Sayre, N. (2009). “Scale”. In: Castree, N., Demeritt, D., Liverman, D., & Rhoads, B., (eds), *Companion to environmental geography*, Oxford: Blackwell, 95-108. (14 pages)

Schwarz K, Berland A, Herrmann DL. (2018). Green, but not just? Rethinking environmental justice indicators in shrinking cities. *Sustainable Cities and Society* 41: 816-821. (6 pages)

Scott, R. (2007) Dependent Masculinity and Political Culture in Pro-Mountaintop Removal Discourse: Or, How I Learned to Stop Worrying and Love the Dragline. *Feminist Studies*, 33(3), 484-509 (26 pages)

Scown, M. W., Brady, M. V., & Nicholas, K. A. (2020). Billions in misspent EU agricultural subsidies could support the sustainable development goals. *One Earth*, 3(2), 237-250. (14 pages)

Scown, M. W., Chaffin, B. C., Triyanti, A., & Boyd, E. (2022). A harmonized country-level dataset to support the global stocktake regarding loss and damage from climate change. *Geoscience Data Journal*. 1-13. (13 pp + 16 pp Supplement)

Scown, M. W., Dunn, F. E., Dekker, S. C., van Vuuren, D. P., Minderhoud, P. S. J., Karabil, S., Sutanudjaja, E. H., Santos, M. J., Garmestani, A., & Middelkoop, H. (2023). Global change scenarios in coastal river deltas and their sustainable development implications. *Global Environmental Change*, 82, 102736. (14 pages)

Siders A. R. & Mach, K. (2012). ‘Managed retreat’ done right can reinvent cities so they’re better for everyone – and avoid harm from flooding, heat and fires. *The Conversation*, June 21, 2021. <https://theconversation.com/managed-retreat-done-right-can-reinvent-cities-so-theyre-better-for-everyone-and-avoid-harm-from-flooding-heat-and-fires-163052> (1 pages)

Swyngedouw, E. (2004) Scaled Geographies Nature, Place, and the Politics of Scale. Chapter in: Sheppard and Macmaster (eds). Scale and geographic inquiry: nature, society, and method. Chapter 6, 129-153 (24 pages)

Szabo, S., Nicholls, R. J., Neumann, B., Renaud, F. G., Matthews, Z., Sebesvari, Z., A. AghaKouchak, R. Bales, C. Warren Ruktanonchai, J.

Kloos, E., FOUFOULA-GEORGIU, P., WESTER, M., NEW, J., RHYNER, & HUTTON, C. (2016). Making SDGs work for climate change hotspots. *Environment: Science and Policy for Sustainable Development*, 58(6), 24-33. (9 pages)

Thomas, A., BAPTISTE, A., MARTYR-KOLLER, R., PRINGLE, P., & RHINEY, K. (2020). Climate change and small island developing states. *Annual Review of Environment and Resources*, 45(6), 1-27. (27 pages)

Thomas, K., HARDY, R. D., LAZRUS, H., MENDEZ, M., ORLOVE, B., RIVERA-COLLAZO, I., ... & WINTHROP, R. (2019). Explaining differential vulnerability to climate change: A social science review. *Wiley Interdisciplinary Reviews: Climate Change*, 10(2), e565. (18 pages)

The History of Geography with Michiel van Meeteren (podcast - 32 minutes) <https://poddtoppen.se/podcast/1616415539/the-geography-of-everything/1-the-history-of-geography-with-michiel-van-meeteren>

Turner, B. L., & Robbins, P. (2008). Land-change science and political ecology: Similarities, differences, and implications for sustainability science. *Annual review of environment and resources*, 33, 295-316. (22 pages)

Van Veelen, B. and Hagget, C. (2017) Uncommon Ground: The Role of Different Place Attachments in Explaining Community Renewable Energy Projects. *Sociologia Ruralis*, 57, 533-554. <https://onlinelibrary.wiley.com/doi/pdf/10.1111/soru.12128> (22 pages)

Vorkinn, M. and Riese, H. (2001) Environmental concern in a local context: the significance of place attachment. *Environment and Behavior* 33 (2) pp. 249–263 (15 pages)

Vörösmarty, C. J., McIntyre, P. B., Gessner, M. O., Dudgeon, D., Prusevich, A., Green, P., Glidden, S., Bunn, S.E., Sullivan, C.A., Liermann, C.R., & Davies, P. M. (2010). Global threats to human water security and river biodiversity. *Nature*, 467(7315), 555-561. (7 pages)

Woodward, F. I., Lomas, M. R., & Kelly, C. K. (2004). Global climate and the distribution of plant biomes. *Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences*, 359(1450), 1465-1476. (12 pages)

Wu, J. (2013). "Hierarchy theory: an overview". In: Rozzi, R., Pickett, S. T., Palmer, C., Armesto, J. J., & Callicott, J. B. (eds), *Linking ecology and ethics for a changing world*, New York: Springer, 281-301. (21 pages)

Multimedia

ABC (2022). Can Arctic Sámi Parliaments Defend Their Way of Life from Green Developments, Foreign Correspondent 20 October, 2022. <https://www.youtube.com/watch?v=IMXIS5SIIv4&list=PLDTPrMoGHssC GGf2WHDMjJcccd4txfN3j&index=2> (30 minute video)

ABC (2022). Blood Cobalt: The Congo's Dangerous and Deadly Green Energy Mines, Foreign Correspondent 24 February, 2022.
<https://www.youtube.com/watch?v=V3bIzNX4co&list=PLDTPrMoGHssC GGf2WHDMjJJccd4txfN3j&index=26> (30 minute video)

The Green Divide web documentary (approx. 1 hour interactive)
<https://www.bcneuj.org/thegreendivide/#Home>

The History of Geography with Michiel van Meeteren (podcast - 32 minutes) <https://poddtoppen.se/podcast/1616415539/the-geography-of-everything/1-the-history-of-geography-with-michiel-van-meeteren>

Wonderling, R., & Burks-Rentschler, S. (2022) *Redlining: Mapping Inequality in Dayton and Springfield*. <https://thinktv.org/redlining/>. Documentary (52 minutes)

Assignment Readings

In addition to the compulsory readings, students are expected to read approximately 350 pages across their two assignments. For Assignment 1, groups should read approximately 250 pages on their allocated field topic (ca. 50 pages per group member); suggestions are given below for each topic but students are encouraged to search and find their own readings. For Assignment 2, students should individually read approximately 300 pages; no suggestions are given and students should search and find their own readings on their case.

Assignment 1 suggested starting points

Weathering

Holden, J. (2011) Tectonics, Weathering, Erosion, and Soils. In: *Physical Geography: The Basics*. Routledge, Milton Park UK, 52-77. (25 pages)

Bland, W. and Rolls, D. (1998). Mechanical weathering processes. In: *Weathering: An Introduction to the Scientific Principles*. Arnold, UK, 85-114. (30 pages)

Erosion

Holden, J. (2011) Tectonics, Weathering, Erosion, and Soils. In: *Physical Geography: The Basics*. Routledge, Milton Park UK, 52-77. (25 pages)

Zhu, T. And Xu, X. (2021). Gully Erosion. In: *Watershed Erosion Processes*. Springer, Cham, 41-67. (28 pages)

Rural gentrification

Boswort, G. and Finke, H. (2019) Commercial Counterurbanisation: A driving force in rural economic development. *Environment and Planning A*. <https://doi.org/10.1177/0308518X1988117> (21 pages)

Bryson, J., and Wickoff, W. (2010) Rural gentrification and nature in the Old and New Wests. *Journal of Cultural Geography*.
<https://doi.org/10.1080/08873631003593232> (23 pages)

Creamer, E., Allen, S., and Haggett, C. (2018) 'Incomers' leading 'community-led' sustainability initiatives: A contradiction in terms? *Environment and Planning C*. <https://doi.org/10.1177/0263774X18802476> (19 pages)

Stockdale, A. (2006) Migration: Pre-requisite for rural economic regeneration? *Journal of Rural Studies*.
<https://doi.org/10.1016/j.jrurstud.2005.11.001> (13 pages)

National parks & designation of nature

Hall, C.M. and Frost, W. (2009) Introduction: The Making of the National Park Concept. Chapter 1 in: *Tourism and National Parks*. (13 pages)
<https://api.taylorfrancis.com/content/books/mono/download?identifierName=doi&identifierValue=10.4324/9780203884201&type=googlepdf>

Germundsson, T. (2006) Regional cultural heritage versus national heritage in Scania's disputed national landscape. *International Journal of Heritage Studies*. <https://doi.org/10.1080/13527250500036791> (17 pages)

Selman, P. (2009) Conservation designations—Are they fit for purpose in the 21st century? *Land Use Policy*.
<https://doi.org/10.1016/j.landusepol.2009.08.005> p. 142-153 (12 pages)

Total number of pages

Total expected reading approximately 1218.

868 pages compulsory reading + approximately 350 pages additional reading expected for assignments.

Approximately 3.5 hours multimedia.

Author gender balance

The authors perceived as female are highlighted in yellow.

61 compulsory readings (total), 38 with at least one assumed female author (62%), 26 with assumed female first author (43%).