Literature for MESS23, Environmental Studies and Sustainability Science: Geographies of Sustainability applies from the spring semester 2026

Literature established by The Board of the Lund University Centre for Sustainability Studies on 2025-12-05 to apply from 2025-12-05

See appendix.

2025-12-05 Dnr STYR 2025/2945

LUND UNIVERSITY

Lund University Centre for
Sustainability Studies

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 5 december 2025.

Course literature

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)

Arnall, A. (2021). Walking with farmers: Floods, agriculture and the social practice of everyday mobility. *Global Environmental Change*, *69*, 102289. (9 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)

Baldwin, R., and Ruta, M. (2025) Introduction: Globalisation in flux. In: Baldwin, R., and Ruta, M. (eds) *The State of Globalisation.* https://cepr.org/system/files/publication-files/255049-the_state_of_globalisation.pdf (13 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)

Borras, S. M. (2009). Agrarian change and peasant studies: changes, continuities and challenges – an introduction. *The Journal of Peasant Studies*, *36*(1), 5–31. https://doi.org/10.1080/03066150902820297 (26 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)

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)

Cassina, E. (2025). Scale Shift & Mapping Drift: Transcalar Mapping for Participatory Planning. In *Imagining, Designing and Teaching Regenerative Futures: Art-Science Approaches and Inspirations From Around the World* (pp. 51-56). Singapore: Springer Nature Singapore. (6 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)

Fairhead, J., Leach, M., & Scoones, I. (2012). Green Grabbing: a new appropriation of nature? *The Journal of Peasant Studies*, *39*(2), 237–261. https://doi.org/10.1080/03066150.2012.671770 (25 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)

Goudie, A. (2011). "Environmental change". In: Agnew, J. A. & Livingstone, D. N. (eds), *The Sage handbook of geographical knowledge*, London: Sage Press, 528-539. (12 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., & Magnan, A. K. (2021). Pathways to coastal retreat. *Science*, *372*(6548), 1287-1290. (3 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 Borras 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)

Macpherson, H. (2016). Walking methods in landscape research: Moving bodies, spaces of disclosure and rapport. *Landscape Research*, *41*(4), 425-432. (8 pages)

Malloy, J. T., & Ashcraft, C. M. (2020). A framework for implementing socially just climate adaptation. *Climatic Change*, *160*(1), 1-14. (14 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)

Middlemiss, L., Snell, C., Theminimulle, S., Carregha, T., Morrison, E., Ch zhen, Y. et al. (2024) Place-based and people-centred: Principles for a socially inclusive Net Zero transition. *Geo: Geography and Environment*, 0, e00157. (16 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)

Parent, L. (2016). The wheeling interview: mobile methods and disability. *Mobilities*, *11*(4), 521-532. (12 pages)

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)

Schumm, S. A., & Lichty, R. W. (1965). Time, space, and causality in geomorphology. *American Journal of Science*, 263(2), 110–119. https://doi.org/10.2475/ajs.263.2.110 (10 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, J. C. (2017). "Introduction: A narrative in tatters". In: Against the Grain: A Deep History of the Earliest States. 1st edition. New Haven: Yale University Press. pp. 1-35. (35 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)

Sui, D. (2012). Looking through Hägerstrand's dual vistas: towards a unifying framework for time geography. *Journal of Transport Geography*, *23*, 5-16. (12 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-Georgiou, 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., & Knuth, S. (2024). An urban 'age of timber'? Tensions and contradictions in the low-carbon imaginary of the bioeconomic city. *Environment and Planning E: Nature and Space*, *7*(2), 904-927. (24 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)

Wachsmuth, D., Cohen, D. & Angelo, H. Expand the frontiers of urban sustainability.*Nature* **536**, 391–393 (2016). (3 pages) https://doi.org/10.1038/536391a

Winkler, K., Fuchs, R., Rounsevell, M. *et al.* Global land use changes are four times greater than previously estimated. *Nat Commun* 12, 2501 (2021). https://doi.org/10.1038/s41467-021-22702-2 (10 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)

Wylie, J. (2011). Landscape. In: Agnew, J. A. & Livingstone, D. N. (eds), *The Sage handbook of geographical knowledge*, London: Sage Press, 300-315. (16 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=lMXIS5SlIv4&list=PLDTPrMoGHssCGGf2WHDMjJJccd4txfN3j&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=PLDTPrMoGHssCGGf2WHDMjJJccd4txfN3j&index=26 (30 minute video)

Policy and Planning Toolkit for Urban Green Justice https://www.bcnuej.org/2021/04/08/policy-and-planning-toolkit-for-urban-green-justice/

The Green Divide web documentary (approx. 1 hour interactive) https://www.bcnuej.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) Techtonics, 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) Techtonics, 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. s142-153 (12 pages)

Total number of pages

Total expected reading approximately 1275.

925 pages compulsory reading + approximately 350 pages additional reading expected for assignments

64 compulsory readings (total), 40 with at least one assumed female author (63%), 25 with assumed female first author (39%).

Approximately 3.5 hours multimedia.

Author gender balance

The authors perceived as female are highlighted in yellow.