



## **Literature for MESC02, Agenda 2030 - Knowing, Measuring and Leading applies from autumn semester 2021**

Literature established by The Board of the Lund University Centre for  
Sustainability Studies on 2021-06-10 to apply from 2021-08-30

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See appendix.



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MESC02 LITERATURE LIST

2021-06-10

Dnr STYR 2021/1422

## Agenda 2030 - Knowing, Measuring and Leading, 7,5 högskolepoäng

*Agenda 2030 - Knowing, Measuring and Leading, 7,5 credits*

MESC02 litteraturlista fastställd av LUCSUS styrelse den 10 juni 2021.

### Course literature

1. **Andersson, E., Åkerman, A.** 2017. Making Research Matter More Working with Action Research and Film in Sustainability Science. *Challenges in Sustainability* 5(1) 24-25. (2 pages) DOI: [10.12924/cis2017.05010024](https://doi.org/10.12924/cis2017.05010024)
2. **Asantewaa Owusu, Phebe** and Asumadu-Sarkodie, S. (2016). A review of renewable energy sources, sustainability issues and climate change mitigation. *Cogent Engineering* (2016), 3:1167990. (14 pages)
3. Attaran A (2005) An immeasurable crisis? A criticism of the Millennium Development Goals and why they cannot be measured. *PLoS Med* 2(10): e318. (7 pages)
4. **Bexell, Magdalena & Kristina Jönsson** (2019) Country Reporting on the Sustainable Development Goals—The Politics of Performance Review at the Global-National Nexus, *Journal of Human Development and Capabilities*, 20:4, 403-417, DOI: [10.1080/19452829.2018.1544544](https://doi.org/10.1080/19452829.2018.1544544) (14 pages)
5. Bryson, J. M. (2004). What to do when stakeholders matter: stakeholder identification and analysis techniques. *Public management review*, 6(1), 21-53. (33 pages)
6. **Dickin, S.**, Bisung, E., Nansi, J., & **Charles, K.** (2021). Empowerment in water, sanitation and hygiene index. *World Development*, 137, 105158. (12 pages) <https://doi.org/10.1016/j.worlddev.2020.105158>

7. Edstedt, K., Carton, W. 2018. The benefits that (only) capital can see? Resource access and degradation in industrial carbon forestry, lessons from the CDM in Uganda *Geoforum*. 97:315-323; Elsevier, 2018 (8 pages)
8. Fisher, A., & S. Fukuda-Parr (2019) Introduction—Data, Knowledge, Politics and Localizing the SDGs, *Journal of Human Development and Capabilities*, 20:4, 375-385, DOI: 10.1080/19452829.2019.1669144 (10 pages)
9. Forestier O, Kim RE. (2020) Cherry-picking the Sustainable Development Goals: Goal prioritization by national governments and implications for global governance. *Sustainable Development*. 2020;28:1269–1278. <https://doi.org/10.1002/sd.2082> (10 pages)
10. Fukuda-Parr, Sakiko, 2019. Keeping Out Extreme Inequality from the SDG Agenda – The Politics of Indicators. *Global Policy (2019) 10:Suppl.1* (61-69) (9 pages) doi: 10.1111/1758-5899.12602
11. Goleman, D. (2021). Chapter 3. What Makes a Leader? In Goleman, D., *Leadership: The Power of Emotional Intelligence Selected Writings*. Pp. 25-39 (14 pages)  
<http://dspace.vnbrims.org:13000/jspui/bitstream/123456789/4733/1/Leadership%20The%20Power%20of%20Emotional%20Intelligence.pdf>
12. González-Eguino, Mikel (2015). Energy poverty: An overview. *Renewable and Sustainable Energy Reviews* 47: 377–385 (8 pages)
13. Griggs, D., Stafford-Smith, M., Gaffney, O. et al. (2013). Sustainable development goals for people and planet. *Nature* **495**, 305–307 <https://doi.org/10.1038/495305a> (3 pages)
14. Holmberg, J.; Larsson, J. A Sustainability Lighthouse—Supporting Transition Leadership and Conversations on Desirable Futures. *Sustainability* **2018**, 10, 3842. (25 pages)  
<https://doi.org/10.3390/su10113842>
15. Kim, Daniel H. (1999) Introduction to systems thinking. *Pegasus Communications Inc.* (21 pages)  
<https://thesystemsthinker.com/introduction-to-systems-thinking/>
16. Kristensen, Peter, 2004. The DPSIR Framework. National Environmental Research Institute, Denmark, *European Environment Agency* (10 pages)
17. Kroll, C.; Warchold, A. & Pradhan, Prajal. 2019. Sustainable Development Goals (SDGs): Are we successful in turning trade-offs into synergies? *Palgrave Communications* 5(140): 1-11. <https://doi.org/10.1057/s41599-019-0335-5> (11 pages)
18. Kulonen, A., Adler, C., Bracher, C., & Dach, S. W. V. (2019). Spatial context matters in monitoring and reporting on Sustainable

Development Goals: Reflections based on research in mountain regions. *GAIA-Ecological Perspectives for Science and Society*, 28(2), 90-94 (5 pages)

19. Li-Ming Yap , Mandy & Krushil Watene (2019) The Sustainable Development Goals (SDGs) and Indigenous Peoples: Another Missed Opportunity? *Journal of Human Development and Capabilities*, 20:4, 451-467, DOI: [10.1080/19452829.2019.1574725](https://doi.org/10.1080/19452829.2019.1574725) (16 pages)
20. Mickey et al. 2020 Living Earth Community. Multiple Ways of Being and Knowing. Chapter 17. Paul Berne Burow, Samara Brock, & Michael R. Dove. *Land, Indigeneity and Hybrid Ontologies*, (9 pages)
21. Ness, B., Anderberg, S. & Olsson, L. 2010 Structuring problems in sustainability science: The multi-level DPSIR framework, In: *Geoforum*. 41, 3, (479-488) (10 pages)
22. Nilay N. (2021) Developing Values and Ethics in Leadership for Effective Water Governance. In: Pandey A., Mishra S., Kansal M., Singh R., Singh V. (eds) *Water Management and Water Governance. Water Science and Technology Library*, vol 96. Springer, Cham. (6 pages) [https://doi.org/10.1007/978-3-030-58051-3\\_34](https://doi.org/10.1007/978-3-030-58051-3_34)
23. Nilsson M. Griggs, D. Visbeck, M. 2016. Map the interactions between SDGs. *Comment in Nature Vol 534, 2016* (3 pages) doi:10.1038/534320a
24. Norström, A. V., A. Dannenberg, G. McCarney, M. Milkoreit, F. Diekert, G. Engström, R. Fishman, J. Gars, E. Kyriakopoulou, V. Manoussi, K. Meng, M. Metian, M. Sanctuary, M. Schlüter, M. Schoon, L. Schultz, and M. Sjöstedt. 2014. Three necessary conditions for establishing effective Sustainable Development Goals in the Anthropocene. *Ecology and Society* 19(3): 8. <http://dx.doi.org/10.5751/ES-06602-190308> (8 pages)
25. O'Brien, K., and L. Sygna. 2013. Responding to climate change: The three spheres of transformation. *Transformation in a Changing Climate*. University of Oslo, Oslo. (30 pages)
26. Pérez Piñán, Astrid & Elizabeth Vibert (2019) The View from the Farm: Gendered Contradictions of the Measurement Imperative in Global Goals, *Journal of Human Development and Capabilities*, 20:4, 436-450, DOI: [10.1080/19452829.2019.1659237](https://doi.org/10.1080/19452829.2019.1659237) (14 pages)
27. Pradhan, P., Costa, L., Rybski, D., Lucht, W., & Kropp, J. P. (2017). A Systematic Study of Sustainable Development Goal (SDG) Interactions, *Earth's Future*, 5, 1169–1179 <https://doi.org/10.1002/2017EF000632> (11 pages)

28. Rockström, Johan, Will Steffen, Kevin Noone, Åsa Persson, F. Stuart Chapin III, Eric F. Lambin, Timothy M. Lenton, Marten Scheffer, Carl Folke, Hans Joachim Schellnhuber, Björn Nykvist, Cynthia A. de Wit, Terry Hughes, Sander van der Leeuw, Henning Rodhe, Sverker Sörlin, Peter K. Snyder, Robert Costanza, Uno Svedin, Malin Falkenmark, Louise Karlberg, Robert W. Corell, Victoria J. Fabry, James Hansen, Brian Walker, Diana Liverman, Katherine Richardson, Paul Crutzen & Jonathan A. Foley A safe operating space for humanity. *Nature* **461**, 472–475 (2009). <https://doi.org/10.1038/461472a> (3 pages)
29. Sachs, J., Schmidt-Traub, G., Kroll, C., Lafortune, G., Fuller, G., Woelm, F. 2020. The Sustainable Development Goals and COVID-19. *Sustainable Development Report 2020*. Cambridge: Cambridge University Press. <https://sdgindex.org/reports/sustainable-development-report-2020/> (520 pages)
30. Saxena, A., Ramaswamy, M., Beale, J. *et al.* Striving for the United Nations (UN) Sustainable Development Goals (SDGs): what will it take?. *Discov Sustain* **2**, 20 (2021). <https://doi.org/10.1007/s43621-021-00029-8> (14 pages)
31. Scown, M. W. (2020). The Sustainable Development Goals need geoscience. *Nature Geoscience*, *13*(11), 714-715. (2 pages)
32. Sergio Belda-Miquel, Alejandra Boni & Carola Calabuig (2019) SDG Localisation and Decentralised Development Aid: Exploring Opposing Discourses and Practices in Valencia's Aid Sector, *Journal of Human Development and Capabilities*, *20*:4, 386-402, DOI: [10.1080/19452829.2019.1624512](https://doi.org/10.1080/19452829.2019.1624512) (16 pages)
33. Sharma, M. (2017). *Radical Transformational Leadership: Strategic Action for Change Agents* (North Atlantic Books). (345 pages)
34. Sovacool, B. K., & Dworkin, M. H. (2015). Energy justice: Conceptual insights and practical applications. *Applied Energy*, *142*, 435-444. (11 pages)
35. Spanò Marinella, Francesco Gentile, Clive Davies, Raffaele Laforteza (2017) The DPSIR framework in support of green infrastructure planning: A case study in Southern Italy. *Land Use Policy* *61* (2017) 242–250 (8 pages)
36. Steffen, Will, Åsa Persson, Lisa Deutsch, Jan Zalasiewicz, Mark Williams, Katherine Richardson, Carole Crumley, Paul Crutzen, Carl Folke, Line Gordon, Mario Molina, Veerabhadran Ramanathan, Johan Rockström, Marten Scheffer, Hans Joachim Schellnhuber, Uno Svedin (2011) The Anthropocene: From Global Change to Planetary Stewardship. *AMBIO (2011) 40*:739–761 DOI [10.1007/s13280-011-0185-x](https://doi.org/10.1007/s13280-011-0185-x) (23 pages)
37. The Sustainable Development Goals and COVID-19. The Sustainable Development Goals Report 2020, United Nations publication issued by the Department of Economic and Social

- Affairs ISBN: 978-92-1-101425-9 (63 pages)  
<https://unstats.un.org/sdgs/report/2020/The-Sustainable-Development-Goals-Report-2020.pdf>
38. United Nations. 2015. Transforming Our World: The 2030 Agenda For Sustainable Development A/RES/70/1  
<https://sustainabledevelopment.un.org/post2015/transformingourworld/publication> (41 pages)
  39. van Norren, D., Beehner, C. 2021. Sustainability leadership, UNESCO competencies for SDGs, and diverse leadership models *International Journal of Development and Sustainability* ISSN: 2186-8662 – [www.isdsnet.com/ijds](http://www.isdsnet.com/ijds) Volume 10 Number 1: Pages 24-49 (25 pages)
  40. Vanderslott, Samantha (2019) Moving From Outsider to Insider Status Through Metrics: The Inclusion of “Neglected Tropical Diseases” Into the Sustainable Development Goals, *Journal of Human Development and Capabilities*, 20:4, 418-435, DOI: [10.1080/19452829.2019.1574727](https://doi.org/10.1080/19452829.2019.1574727) (17 pages)
  41. Waldmüller, Johannes M., Hameed Jamali & Nelson Nogales (2019) Operationalizing Sustainable Development Goals in Vulnerable Coastal Areas of Ecuador and Pakistan: Marginalizing Human Development?, *Journal of Human Development and Capabilities*, 20:4, 468-485, DOI: [10.1080/19452829.2019.1666810](https://doi.org/10.1080/19452829.2019.1666810) (17 pages)
  42. Wamsler C., & Restoy, F., 2020. Peace, Justice and Strong Institutions, Springer W. Leal Filho et al. (eds.), Peace, Justice and Strong Institutions, Encyclopedia of the UN Sustainable Development Goals, [https://doi.org/10.1007/978-3-319-71066-2\\_123-1](https://doi.org/10.1007/978-3-319-71066-2_123-1) (11 pages)
  43. Weitz, N., Carlsen, H., Nilsson, M. and Skånberg, K. (2018). Towards systemic and contextual priority setting for implementing the 2030 Agenda. *Sustainability Science*, 13(2). 531–48. DOI: [10.1007/s11625-017-0470-0](https://doi.org/10.1007/s11625-017-0470-0) (17 pages)
  44. Weitz, N. Carlsen, H. Trimmer, C (2019) SDG Synergies: An approach for coherent 2030 Agenda implementation. Stockholm Environment Institute (4 pages)
  45. Zeng, Y., Maxwell, S., Runting, R.K. et al. Environmental destruction not avoided with the Sustainable Development Goals. *Nat Sustain* (2020). <https://doi.org/10.1038/s41893-020-0555-0> (6 pages)

### Required reading

Total number of pages: 1450.

Students are expected to read only parts of the 520 pages in the report Sustainable Development Report 2020. The Sustainable Development Goals and COVID-19 and only part of the 345 pages in the book of Sharma, M.

(2017). Radical Transformational Leadership: Strategic Action for Change Agents.

*Author gender balance*

Female-authors in yellow. 42% of the publications have a female first author.