

Literature List, SDG900, Fall 2022

(to be read prior to first course day)

Sustainable development and innovation

- Leach, M., Rockström, J., Raskin, P., Scoones, I., Stirling, A. C., Smith, A., . . . Olsson, P. (2012). Transforming innovation for sustainability. *Ecology and Society*, 17(2). doi: 10.5751/ES-04933-170211
- van den Bergh, J. C. J. M., van Leeuwen, E. S., Oosterhuis, F. H., Rietveld, P., & Verhoef, E. T. (2007). Social learning by doing in sustainable transport innovations: Ex-post analysis of common factors behind successes and failures. *Research Policy*, 36(2), 247-259. doi: <https://doi.org/10.1016/j.respol.2006.11.001>

Systems thinking and participatory systems mapping

- Allender, S., Owen, B., Kuhlberg, J., Lowe, J., Nagorcka-Smith, P., Whelan, J., & Bell, C. (2015). A community based systems diagram of obesity causes. *PLOS ONE*, 10(7), e0129683. doi: 10.1371/journal.pone.0129683
- Hovmand, P. S., Andersen, D. F., Rouwette, E. A. J. A., Richardson, G. P., Rux, K., & Calhoun, A. (2012). Group model-building 'Scripts' as a collaborative planning tool. *Systems Research and Behavioral Science*, 29(2), 179-193. doi: 10.1002/sres.2105
- Videira N., Antunes P., Santos R. (2017) Engaging Stakeholders in Environmental and Sustainability Decisions with Participatory System Dynamics Modeling. In: Gray S., Paolisso M., Jordan R., Gray S. (eds) Environmental Modeling with Stakeholders. Springer, Cham

Creative problem solving

- Brown, T. (2009). Change by Design: How Design Thinking Transforms Organizations and Inspires Innovation.
- Ness, I. J., & Søreide, G. E. (2014). The Room of Opportunity: Understanding phases of creative knowledge processes in innovation. *Journal of Workplace Learning*, 26(8), 545-560. doi:<http://dx.doi.org/10.1108/JWL-10-2013-0077>
- Ness, I. J., & Riese, H. (2015). Openness, curiosity and respect: Underlying conditions for developing innovative knowledge and ideas between disciplines. *Learning, Culture and Social Interaction*, 6(September 2015), 29-39. doi:<http://dx.doi.org/10.1016/j.lcsi.2015.03.001>
- Ness, I. J. (2017). Polyphonic Orchestration: Understanding how leaders facilitate creative knowledge processes in interdisciplinary groups working with innovation. *European Journal of Innovation Management*.

- Sawyer, R. K., & DeZutter, S. (2009). Distributed creativity: *How collective creations emerge from collaboration*. *Psychology of Aesthetics, Creativity, and the Arts*, 3(2), 81-92.

From problem solving to business models

- Boons, F., & Lüdeke-Freund, F. (2013). Business models for sustainable innovation: state-of-the-art and steps towards a research agenda. *Journal of Cleaner Production*, 45, 9-19. doi: <https://doi.org/10.1016/j.jclepro.2012.07.007>