

## Litteraturlista – Framtidens hållbara system

### **Framsyn i skärningspunkten mellan miljövetenskap och miljöstyrning**

#### *Litteraturseminarium 1\*:*

- \*Riahi, K., Van Vuuren, D.P., Kriegler, E., Edmonds, J., O'Neill, B.C., Fujimori, S. & Bauer, N. 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.
- \*Van Beek, L., Hajer, M., Pelzer, P., Van Vuuren, D.P. & Cassen, C. (2020). Anticipating Futures through Models: The Rise of Integrated Assessment Modelling in the Climate Science-Policy Interface Since 1970. *Global Environmental Change* 65, 1–14.
- Albihn, A., Seligsohn, D., Rydhmer, L., Gunnarsson, S. (2021). *Klimatanpassning av svensk animalieproduktion - säkrare tillgång på livsmedel under kris*. Future Food Reports 15, SLU Future Food, Uppsala.
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- Beck, S. & Mahony, M. (2017). The IPCC and the Politics of Anticipation. *Nature Climate Change* 7, 311–313.
- Edwards, P.N. (1999). Global Climate Science, Uncertainty, and Politics: Data-Laden Models, Model-Filtered Data. *Science as Culture* 8(4), 437–472.
- Eliasson, K., Wiréhn, L., Neset, T-S., Linnér, B-O. (2022). Transformations towards sustainable food systems: contrasting Swedish practitioner perspectives with the European Commission's farm to fork strategy. *Sustainability Science* 17, 2411-2425.
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- Funtowicz, S.O. & Ravetz, J.R. (1993). Science for the Post-Normal Age. *Futures* 25, 739–755.
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- Hjerpe, M. & Linnér, B.-O. (2009). Utopian and Dystopian Thought in Climate Change Science and Policy. *Futures* 41(4), 234–245.
- Hulme, M. (2011). Reducing the Future to Climate: A Story of Climate Determinism and Reductionism. *Osiris* 26(1), 245–266.
- Hulme, M. & Dessai, S. (2008). Negotiating Future Climates for Public Policy: A Critical Assessment of the Development of Climate Scenarios for the UK. *Environmental Science & Policy* 11(1), 54-70.
- Kessler, M., Wahlström, A., Weiber-Post, H., Carlqvist Warnborg, Y. (2023). Exploring the future of meat: Navigating complex topics for better decision making. Future Food Reports 23, SLU Future Food, Uppsala.
- Käyhkö, J., Wiréhn, L., Juhola, S., Neset, T-S. (2020). Integrated framework for identifying transformative adaptation in agri-food systems. *Environmental Science & Policy* 114, 580-586.
- Lantmännen (2019). *Framtidens jordbruk - Vägen mot ett klimatneutralt jordbruk 2050*. Rapport: Växtodling. Mjök & Nötkött.
- Lindfors, A., Hagman, L., Eklund, M. (2023). The Nordic biogas model: Conceptualization, societal effects, and policy recommendations. *City and Environmental Interactions*, 15, 100083.
- Macnaghten, P. & Chilvers, J. (2014). The Future of Science Governance: Publics, Policies, Practices. *Environment & Planning C: Politics & Space* 32(3), 530–548.
- Popper, S.W., Lempert, R.J. & Bankes, S.C. (2005). Shaping the Future. *Scientific American* 292(4), 66–71.
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- Saltelli, A., Funtowicz, S.O., Giampietro, M., Sarewitz, D., Stark, P.B. & Van Der Sluijs, J.P. (2016). Climate Costing Is Politics Not Science. *Nature* 532, 177.
- Sarewitz, D., Pielke, R.A., Jr. & Byerly, R., Jr. (red.) (2000). *Prediction: Science, Decision-Making, and the Future of Nature*. Washington, D.C.: Island Press.
- Schneider, S.H. (1997). Integrated Assessment Modeling of Global Climate Change: Transparent Rational Tool for Policy Making or Opaque Screen Hiding Value-Laden Assumptions? *Environmental Modeling & Assessment* 2, 229–249.
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- Svensson, H. (2022). *Politikens roll för livsmedelsförsörjningen*. Future Food Reports 19, SLU Future Food, Uppsala.
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- Wenger, A., Jasper, U. & Dunn Cavelty, M. (red.) (2020). *The Politics and Science of Prevision: Governing and Probing the Future*. London: Routledge.

### **Osäkerhet i planering och beslutsfattande**

- Scoones, I. & Stirling, A. (red.) (2020). *The Politics of Uncertainty: Challenges of Transformation*. London: Routledge.
- Van Asselt, M.B.A., and Rotmans, J. (1996). Uncertainty in Perspective. *Global Environmental Change* 6(2), 121–157.

### **Delaktighet i utformandet av framtidens hållbara system**

*Litteraturseminarium 2\**:

- \*Börjesson, L., Höjer, M., Dreborg, K.-H., Ekvall, T. & Finnveden, G. (2006). Scenario Types and Techniques: Towards a User's Guide. *Futures* 38(7), 723–739.
- \*Hagbert, P., Finnveden, G., Fuehrer, P., Svenfeldt, Å., Alfredsson, E., Aretun, Å. Bradley, K. et al. (2018). *Framtider bortom BNP-tillväxt - Slutrapport från forskningsprogrammet "Bortom BNP-tillväxt: Scenarier för hållbart samhällsbyggande."* 2018 TRITA-ABE-RPT-1835. Stockholm: KTH Skolan för Arkitektur och Samhällsbyggnad.
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- Global Atlas of Environmental Justice. <https://ejatlas.org>. Hämtat 2024-03-20.
- Hildingsson, R. & Khan, J. (2015). Towards a Decarbonized Green State? The Politics of Low-Carbon Governance in Sweden. In: Bäckstrand, K. & Kronsell, A. (eds.) *Rethinking the Green State: Environmental Governance Towards Climate and Sustainability Transitions*. London: Routledge.

- Klenk, N. & Meehan, K. (2015). Climate Change and Transdisciplinary Science: Problematizing the Integration Imperative. *Environmental Science & Policy* 54, 160–167.
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- Morgan, M.G. & Henrion, M. (1990). *Uncertainty: A Guide to Dealing with Uncertainty in Quantitative Risk and Policy Analysis*. Cambridge: Cambridge University Press.
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- Pfenniger, S. (2017). Energy Scientists Must Show Their Workings. *Nature* 542, 393.
- Pilkey, O.H. & Pilkey-Jarvis, L. (2009). *Useless Arithmetic: Why Environmental Scientists Can't Predict the Future*. New York: Columbia University Press.
- Sundqvist, G. (2021). *Vem bryr sig? Om klimatforskning och klimatpolitik*. Göteborg: Daidalos.
- Saltelli, A., Bammer, G., Bruno, I., Charters, E., Di Fiore, M., Didier, E. & Espeland, W.N. et al. (2020). Five Ways to Ensure that Models Serve Society: A Manifesto. *Nature* 582, 482–484.
- Saltelli, A., Benini, L., Funtowicz, S.O., Giampietro, M., Kaiser, M., Reinert, E. & Van Der Sluijs, J.P. (2020). The Technique is Never Neutral: How Methodological Choices Condition the Generation of Narratives for Sustainability. *Environmental Science & Policy* 106, 87–98.
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## **Omställningens olika systemnivåer och systemintegration**

### *Litteraturseminarium 3\**:

- \*Envall, F., Andersson, D. & Rohrer, H. (2023). Att energigemenskapa: Energigemenskaper som arena för klimatomställningens praktiker och politik. *Sociologisk forskning* 60(3–4), 299–325.
- \*Linnell, M. (2023). Livet från den ljusa sidan: Sociologi och föreställningen om det radikalt annorlunda. *Sociologisk forskning* 60(3–4), 327–351.

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Europeiska Kommissionen (2020). Kemikaliestrategi för hållbarhet. På väg mot en giftfri miljö. COM(2020):667, Bryssel. Web-referens: <https://eur-lex-europa.eu/legal-content/SV/TXT/HTML/?uri=CELEX:52020DC0667&from=EN>. Hämtat: 2024-03-12.

Ekstrand, E-M., Björn, A., Karlsson, A., Schnurer, A., Kanders, L., Shakeri Yekta, S., Karlsson, M., Moestedt, J. (2022). Identifying targets for increased biogas production through chemical and organic matter characterization of digestate from full-scale biogas plants: what remains and why? *Biotechnology for Biofuels and Bioproducts*, 15:16. <https://doi.org/10.1186/s13068-022-02103-3>.

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- Feiz, R., Johansson, M., Lindkvist, E., Moestedt, J., Nilsson Påledahl, S., Ometto, F. (2022). The biogas yield, climate impact, energy balance, nutrient recovery, and resource cost of biogas production from household food waste – A comparison of multiple cases from Sweden. *Journal of Cleaner Production*, V. 378(10): 134536.
- Fleig, A. (2023). *Market shaping as Meta-strategy: A strategy of strategies*. Doktorsavhandling No. 855, Linköpings Universitet. ISBN: 978-91-8075-181-0 (PDF)
- Folkhälsomyndigheten (2018). Kemikalier i inomhusmiljön - en litteraturgenomgång.  
<https://www.folkhalsomyndigheten.se/publikationer-och-material/publikationsarkiv/k/kemikalier-i-inomhusmiljon/> Hämtat 2024-03-15.
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- Guyader, H., Ottosson, M., Frankelius, F. (2020). Identifying the resource integration processes of green service. *Journal of Service Managment* 31(4), 839-859.
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- Persson L. et al. (2022). Outside the Safe Operating Space of the Planetary Boundary for Novel Entities. *Environ. Sci. Technol.*, 56(3), 1510–1521.
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Woodhill, T. & Granelli, L. (2023). *En kemikaliesäker framtid - Investeringar i forskning och innovation för konkurrenskraft, beredskap och proaktiva åtgärder*. FORMAS, Rapport R5:2023, Stockholm. ISBN 978-91-540-6169-2.

Sterner, O. (2010). *Förgiftningar och miljöhot*. Studentlitteratur, Lund, ISBN 91-44-02242-5.

### **Alternativa framtidsföreställningar**

Hjerpe, M. & Linnér, B.-O. (2009). Utopian and Dystopian Thought in Climate Change Science and Policy. *Futures* 41(4), 234–245.

Hulme, M. (2011). Reducing the Future to Climate: A Story of Climate Determinism and Reductionism. *Osiris* 26(1), 245–266.