



# Reading List

Here are some papers that are essential or useful reading for members of our group. Everyone should read the papers in the [General](#) section, and the others are good starting points if the topic area is relevant or of interest.

## General

- Keller, K., Helgeson, C., & Srikrishnan, V. (2021). Climate Risk Management. *Annual Review of Earth and Planetary Sciences*, 49(1), 95–116. <https://doi.org/10.1146/annurev-earth-080320-055847>
- Bankes, S. (1993). Exploratory Modeling for Policy Analysis. *Operations Research*, 41(3), 435–449. <https://doi.org/10.1287/opre.41.3.435>
- Saltelli, A. (2019). A short comment on statistical versus mathematical modelling. *Nature Communications*, 10(1), 3870. <https://doi.org/10.1038/s41467-019-11865-8>
- O'Hagan, T. (2004). Dicing with the unknown. *Significance*, 1(3), 132–133. <https://doi.org/10.1111/j.1740-9713.2004.00050.x>
- Box, G. E. P. (1976). Science and Statistics. *Journal of the American Statistical Association*, 71(356), 791–799. <https://doi.org/10.1080/01621459.1976.10480949>
- Oreskes, N., Shrader-Frechette, K., & Belitz, K. (1994). Verification, validation, and confirmation of numerical models in the Earth sciences. *Science*, 263(5147), 641–646. <https://doi.org/10.1126/science.263.5147.641>

## Complex Systems and Wicked Problems

- Rittel, H. W. J., & Webber, M. M. (1973). Dilemmas in a general theory of planning. *Policy Sciences*, 4(2), 155–169. <https://doi.org/10.1007/BF01405730>
- Carpenter, S. R., Brock, W. A., Folke, C., van Nes, E. H., & Scheffer, M. (2015). Allowing variance may enlarge the safe operating space for exploited ecosystems. *Proceedings of the National Academy of Sciences of the United States of America*, 112(46), 14384–14389. <https://doi.org/10.1073/pnas.1511804112>
- Anderies, J. M., Rodriguez, A. A., Janssen, M. A., & Cifdaloz, O. (2007). Panaceas, uncertainty, and the robust control framework in sustainability science. *Proceedings of the National Academy of Sciences of the United States of America*, 104(39), 15194–15199. <https://doi.org/10.1073/pnas.0702655104>