

HPSCGA49: Science Policy in an Era of Risk and Uncertainty

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1

Arnoldi J. Risk: an introduction. Cambridge: : Polity 2009.

2

Gigerenzer G. Risk savvy: how to make good decisions. New York: : Viking 2014.

3

Lupton D. Risk. Second edition. Abingdon, Oxon: : Routledge 2013.
<https://doi.org/10.4324/9781135090326>

4

Burgess A, Alemanno A, Zinn J. Routledge Handbook of Risk Studies. Florence: : Taylor and Francis 2016.

5

Bammer G, Smithson M. Uncertainty and risk: multidisciplinary perspectives. London: : Earthscan 2008.

6

Ulrich Beck. Risk society: towards a new modernity. London: : Sage 1992.

7

Jasanoff S. Designs on nature: science and democracy in Europe and the United States. Princeton, N.J.: : Princeton University Press 2005.

8

Nowotny H. The cunning of uncertainty. Cambridge: : Polity 2016.

9

Slovic P. The perception of risk. London: : Earthscan 2000.

10

Gilberto C. Gallopin, Silvio Funtowicz, Martin O'Connor, et al. Science for the Twenty-First Century: From Social Contract to the Scientific Core. International Social Science Journal 2001;**53**:219-29. doi:10.1111/1468-2451.00311

11

Gibbons M, Limoges C, Nowotny H, et al. The new production of knowledge: the dynamics of science and research in contemporary societies. London: : SAGE Publications 1994.
<http://ebookcentral.proquest.com/lib/ucl/detail.action?docID=1024114>

12

J.R. Ravetz. What is Post-Normal Science. Futures:The journal of policy, planning and futures studies 1999;**31**:647-53. doi:10.1016/S0016-3287(99)00024-5

13

Jerome R Ravetz, Ziauddin Sardar. Rethinking science. Futures:The journal of policy, planning and futures studies 1997;**29**:467-70. doi:10.1016/S0016-3287(97)00023-2

14

Deborah Dixon, Harriet Hawkins, Mrill Ingram. Art: Blurring the boundaries. Nature 2011;
472:417–417. doi:10.1038/472417a

15

C. J. Fearnley, W. J. McGuire, G. Davies, et al. Standardisation of the USGS Volcano Alert Level System (VALS): analysis and ramifications. Bulletin of Volcanology 2012;**74**:2023–36. doi:10.1007/s00445-012-0645-6

16

Carolina Garcia, Carina J. Fearnley. Evaluating critical links in early warning systems for natural hazards. Environmental Hazards 2012;**11**:123–37. doi:10.1080/17477891.2011.609877

17

Bruno, Latour. On actor-network theory: A few clarifications. Soziale Welt 1996;**47**:369–81. <https://www.jstor.org/stable/40878163>

18

Mileti DS. Disasters by design: a reassessment of natural hazards in the United States. Washington, D.C.: : Joseph Henry Press 1999.

19

Vaughan D, American Council of Learned Societies. The Challenger launch decision: risky technology, culture, and deviance at NASA. Chicago: : University of Chicago Press 1996. <http://hdl.handle.net/2027/heb.01159>

20

Day S, Fearnley C. A classification of mitigation strategies for natural hazards: implications for the understanding of interactions between mitigation strategies. Natural Hazards 2015;
79:1219–38. doi:10.1007/s11069-015-1899-z

21

D. Jamieson. Scientific Uncertainty and the Political Process. The ANNALS of the American Academy of Political and Social Science 1996;**545**:35–43.
doi:10.1177/0002716296545001004

22

D. J. Spiegelhalter, H. Riesch. Don't know, can't know: embracing deeper uncertainties when analysing risks. Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences 2011;**369**:4730–50. doi:10.1098/rsta.2011.0163

23

Andrew, Stirling. Risk, precaution and science: towards a more constructive policy debate. Talking point on the precautionary principle. EMBO reports 2007;**8**:309–15.
doi:10.1038/sj.embor.7400953

24

Stirling A. Risk, precaution and science: towards a more constructive policy debate. Talking point on the precautionary principle. EMBO reports 2007;**8**:309–15.
doi:10.1038/sj.embor.7400953

25

Douglas M, Wildavsky AB. Risk and culture: an essay on the selection of technical and environmental dangers. Berkeley: : University of California Press 1982.
<https://www.jstor.org/stable/10.1525/j.ctt7zw3mr>

26

Thomas F. Gieryn. Boundary-Work and the Demarcation of Science from Non-Science: Strains and Interests in Professional Ideologies of Scientists. American Sociological Review 1983;**48**:781–95.<http://www.jstor.org/stable/2095325>

27

Knight FH. Risk, uncertainty and profit. London: : Forgotten Books 2015.

28

Mayo DG. Error and the growth of experimental knowledge. Chicago: : University of Chicago Press 1996. <https://www.vlebooks.com/Vleweb/Product/Index/467948?page=0>

29

Wisner B, editor. At risk: natural hazards, people's vulnerability, and disasters. Second edition. Abingdon, Oxon: : Routledge 2014. <https://doi.org/10.4324/9780203714775>

30

N. Pidgeon, M. O'Leary. Man-made disasters: why technology and organizations (sometimes) fail. Safety Science 2000;**34**:15–30. doi:10.1016/S0925-7535(00)00004-7

31

Mitchell M. Complexity: a guided tour. New York: : Oxford University Press 2009. <https://ebookcentral.proquest.com/lib/UCL/detail.action?pq-origsite=primo&docID=472328>

32

H. Nowotny. The Increase of Complexity and its Reduction: Emergent Interfaces between the Natural Sciences, Humanities and Social Sciences. Theory, Culture & Society 2005;**22**:15–31. doi:10.1177/0263276405057189

33

Ziauddin Sardar, Jerome R. Ravetz. Complexity: Fad or future? Futures 1994;**26**:563–7. doi:10.1016/0016-3287(94)90028-0

34

Taylor PJ. Unruly complexity: ecology, interpretation, engagement. Chicago, [Ill.]: : University of Chicago Press 2005. <http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780226790398>

35

J. Urry. The Complexity Turn. *Theory, Culture & Society* 2005;**22**:1–14.
doi:10.1177/0263276405057188

36

Peter, Adey, Ben, Anderson. Event and anticipation: UK Civil Contingencies and the space – times of decision. *Environment and Planning A* 2011;**43**:2878–99.
doi:10.1068/a43576

37

J. Burgess, A. Stirling, J. Clark, et al. Deliberative mapping: a novel analytic-deliberative methodology to support contested science-policy decisions. *Public Understanding of Science* 2007;**16**:299–322. doi:10.1177/0963662507077510

38

Jasanoff S. *Designs on nature: science and democracy in Europe and the United States*. Princeton, N.J.: : Princeton University Press 2005.
<https://www-jstor-org.libproxy.ucl.ac.uk/stable/j.ctt7spkz>

39

Paul, Slovic, Baruch, Fischhoff, Sarah, Lichtenstein. Why Study Risk Perception? *Risk Analysis* 1982;**2**:83–93. doi:10.1111/j.1539-6924.1982.tb01369.x

40

Michael S. Carolan. Science, Expertise, and the Democratization of the Decision-Making Process. *Society & Natural Resources* 2006;**19**:661–8. doi:10.1080/08941920600742443

41

H.M. Collins, Robert, Evans. The Third Wave of Science Studies. *Social Studies of Science* 2002;**32**:235–96. doi:10.1177/0306312702032002003

42

Jasanoff S. *States of knowledge: the co-production of science and social order*. London: : Routledge 2004.

43

Lash S, Szerszynski B, Wynne B. *Risk, environment and modernity: towards a new ecology*. London: : Sage 1996.
<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=1023984>

44

G. A. Bradshaw, Jeffrey G. Borchers. Uncertainty as Information: Narrowing the Science-policy Gap. *Conservation Ecology* 2000;**4**. doi:10.5751/ES-00174-040107

45

John R. Durant, Geoffrey A. Evans, Geoffrey P. Thomas. The public understanding of science. *Nature* 1989;**340**:11–4. doi:10.1038/340011a0

46

Culture, Media, Language. Abingdon, UK: : Taylor & Francis 1980.
doi:10.4324/9780203381182

47

G. Rowe. A Typology of Public Engagement Mechanisms. *Science, Technology & Human Values* 2005;**30**:251–90. doi:10.1177/0162243904271724

48

S. Shackley, B. Wynne. *Representing Uncertainty in Global Climate Change Science and*

Policy: Boundary-Ordering Devices and Authority. *Science, Technology & Human Values* 1996;**21**:275–302. doi:10.1177/016224399602100302

49

Deborah Trumbull et al. Thinking scientifically during participation in a citizen-science project. *Science education*; **84**:265–75. [http://onlinelibrary.wiley.com/doi/10.1002/\(SICI\)1098-237X\(200003\)84:2%3C265::AID-SCE7%3E3.0.CO;2-5/abstract](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1098-237X(200003)84:2%3C265::AID-SCE7%3E3.0.CO;2-5/abstract)

50

J. Burgess, A. Stirling, J. Clark, et al. Deliberative mapping: a novel analytic-deliberative methodology to support contested science-policy decisions. *Public Understanding of Science* 2007;**16**:299–322. doi:10.1177/0963662507077510

51

Shane J. Cronin, David R. Gaylord, Douglas Charley, et al. Participatory methods of incorporating scientific with traditional knowledge for volcanic hazard management on Ambae Island, Vanuatu. *Bulletin of Volcanology* 2004;**66**:652–68. doi:10.1007/s00445-004-0347-9

52

George E. Marcus. Ethnography in/of the World System: The Emergence of Multi-Sited Ethnography. *Annual Review of Anthropology* 1995;**24**:95–117. <http://www.jstor.org/stable/2155931>

53

Andrea J. Nightingale. A Feminist in the Forest: Situated Knowledges and Mixing Methods in Natural Resource Management. *ACME: An International E-Journal for Critical Geographies* 2003;**2**:77–90. <http://hdl.handle.net/1842/1405>