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Danish Centre for Studies in Research and Research Policy,  
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*and*

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Date (place) of Birth: July 16, 1955 (Sunderland, UK)

UK and Danish citizenship

### **Academic qualifications and awards**

University of Salford  
BSc (Joint Honours) Language and Sociology - Upper Second  
(June 1976)  
Also presented with Vice Chancellor's Award

University of Manchester  
MSc Structure and Organisation of Science and Technology  
(October 1977)

University of Manchester  
PhD Science and Technology Policy  
(October 1980)

Honorary Fellow of the British Association for the Advancement of Science  
(HonFBAASc.) (2008).

Recipient of the David Edge prize for best paper in Science and Technology Studies (2009).

Member of the Royal Danish Academy of Sciences and Letters (2013).

Co-recipient of the Ziman award for the most innovative cooperation in a venture to promote the public understanding of the social dimensions of science (2014).

Fellow of the Academy of Social Sciences (FAcSS) (2014).

Knight of the Order of the Dannebrog (Ridder af Dannebrog) (2014).

PhD (honoris causa), University of Gothenburg (2017).

Co-recipient of the Amsterdamska award for a significant creative collaboration in an edited book or special issue in the broad field of science and technology studies (2018).

TUM Distinguished Affiliated Professor, Technical University of Munich (2022)

### **Employment History**

#### Aarhus University (2024- )

*Professor (Danish Centre for Studies in Research and Research Policy) (2024- )*

#### Copenhagen Business School (2007- )

*Professor (Department of Organization) (2007- )*

*Vice-President (Entrepreneurship and Innovation) (2015-2018)*

*Dean of Research (2007- 2014)*

*Acting President (March–December 2011)*

#### University of Liverpool (2004 - 7)

*Professor of Science and Technology Policy/ Dean of Social and Environmental Studies*

#### Brunel University (1991-2004)

I became a Senior Lecturer at Brunel University in 1991. In 1994, I was promoted to Reader. In 1998 I became professor of sociology at Brunel University.

*Pro-Vice-Chancellor (Research and Enterprise) (2004)*

*Dean of Arts and Social Sciences (2001-2004)*

*Acting Dean of Technology and Information Systems (2003 - 2004)*

*Head of Human Sciences (1998-2001)*

#### University of Manchester (1980-1991)

*Lecturer in Sociology, University of Manchester (September 1989 - August 1991)*

*Lecturer in Science and Technology Policy, University of Manchester (October 1981 - September 1989)*

*Temporary Lecturer, Department of Science and Technology Policy, University of Manchester (January 1981 - October 1981)*

*Research Associate, Department of Science and Technology Policy, University of Manchester (January 1980 - January 1981)*

### **Key external positions**

Chair, Royal Danish Academy of Sciences and Letters, Committee on Science in Society (2025-)

Chair, PSF Challenge Mutual Learning Exercise: Citizen Science initiatives – policy and practice, European Commission (2022)

Radboud Excellence Professor, Radboud University, The Netherlands (2021-23)

Member, International Advisory Board, Institute of Sociology of the Czech Academy of Sciences (2019-2023).

Member of Research Evaluation for Development (RED19) panel, University of Gothenburg (2019).

Chair, Research Evaluation Panel for GenØk – Centre for Biosafety, UiT The Arctic University of Norway (2018-19)

Member, Making Sense of Science Working Group, Science Advice for Policy by European Academies (SAPEA), Academia Europaea (2018-19)

Honorary Professor, Manchester Institute of Innovation Research, Alliance Manchester Business School, University of Manchester (2018 - 2021)

Sir Frederick McMaster Fellowship, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia (2018)

Chair, Working Group on Environmental Communication, Mistra – The Swedish Foundation on Strategic Environmental Research. (2018)

Chair, International Advisory Board, Wageningen School of Social Sciences (2017 - ).

Chair, International Peer Review Panel, Evaluation of The Netherlands Graduate Research School of Science, Technology and Modern Culture (WTMC) (2017).

Member of Scientific Advisory Board, Faculty of Social Sciences, University of Vienna (2016- ).

Member of Evaluation Committee, Seven Year Review of the Pufendorf Institute for Advanced Studies, Lund University (2016).

Member of Evaluation Panel, Strategic Research Initiatives, Roskilde University (2016).

Member of Evaluation Panel, National Research Programme on 'Sustainable Economy', Swiss National Science Foundation (2016).

Chair/panel member for the European Research Council (ERC) (2013- ).

Chair, International Peer Review Committee of Wageningen School of Social Sciences, Wageningen University (2015).

Carl and Thecla Lamberg Guest Professor, Faculty of Social Science, University of Gothenburg (2015).

Member of Strategy Advisory Board for the UK's Global Food Security programme (2011-2016).

Member of European Foundation for Management Development (EFMD) R&D Steering Committee (2011- 6).

Visiting Professor, Department of Management, University of Glasgow (2010-15).

Member of Research Evaluation for Development (RED10) panel, University of Gothenburg (2010-11).

Member of UK Biotechnology and Biological Sciences Research Council (BBSRC) Bioscience for Society Strategy Panel (2005-7). Chair (2008-10).

Member of Wellcome Trust Public Engagement Strategic Advisory Group (2002-2004).

Member of Editorial Board for: Social Studies of Science, Business Strategy and the Environment, Public Understanding of Science, Innovation and Development Policy and Environmental Sociology.

Member of Royal Academy of Engineering working group on 'societal aspects of risk': 2001-2.

Royal Academy delegate to a UK-Brazil research exchange (Sao Paulo, December 2002).

Task Force member, DTI Foresight Food Chain and Crops for Industry Panel: 2000-1.

## **Research**

### **Books**

Felt, U. and Irwin, A. (eds) Elgar Encyclopedia of Science and Technology Studies (Edward Elgar, Cheltenham: 2024)

Lindgreen, A., Irwin, A., Poulfelt, F. and Thomsen, T.U. (eds) How to Lead Academic Departments Successfully. (Edward Elgar, Cheltenham: 2021)

Horst, M. and Irwin, A. Hvad vil vi med universiteterne? (Informations Forlag, Copenhagen: 2018)

Molin, J. and Irwin, A. (eds), The Distinctiveness of Diversity: CBS, a case in point. Festschrift for Finn Junge-Jensen, President of CBS 1987-2009. (CBS, Copenhagen: 2009) ISBN 978-87-993186

Irwin, A. and Michael, M., Science, Social Theory and Public Knowledge. (Open University Press, Maidenhead; 2003) ISBN 0335209475

Irwin, A., Sociology and the Environment: a critical introduction to society, nature and knowledge. (Polity, Cambridge; 2001) ISBN 0-7456-1359-4 (hardback) and 0-7456-1360-8 (paperback)

Irwin, A., Ciencia Cidadã (Portuguese translation of Citizen Science) (Instituto Piaget, Lisboa: 1999). ISBN 972-771-059-X (paperback). Also translated into Korean (Dangdae, 2011).

- Irwin, A. and Wynne, B., (eds) Misunderstanding Science? the public reconstruction of science and technology (Cambridge University Press, Cambridge; 1996). ISBN 0-521-43268-5
- Irwin, A., Citizen Science: a study of people, expertise and sustainable development (Routledge, London; 1995). ISBN 0-415-11548-5 (hardback) and 0-415-13010-7 (paperback)
- Irwin, A., Risk and the Control of Technology (Manchester University Press; 1985; reprinted as paperback 1987). ISBN 0-7190-1723-8 (hardback) and 0-7190-1829-3 (paperback)
- Irwin, A., (with various authors), Cancer in Britain (Pluto Press, London; 1983). ISBN 0-86104-394-4 (paperback)

**See also:**

- Renn, O., Baghrmian, M., Capaccioli, M., de Rijcke, S., Drotner, K., Dubertret, L., Irwin, A., Luty, T., Makarow, M., Moberg, C., Morega, A., Owens, S., Sahlin, N-E, Stirling, A., van der Sluijs, J., Vretenar, D., Fischhoff, B., Hart, A., and Parkhurst, J., Making Sense of Science for Policy under Conditions of Complexity and Uncertainty. (SAPEA, Berlin: 2019) (Evidence Review Report, No. 6).
- Irwin, A., Bucchi, M., Felt, U., Smallman, M., and Yearley, S. Re-framing science communication: engagement, understanding and action. Background paper. Mistra: Stockholm, 2018)
- Felt, U., Barben, D., Irwin, A., Joly, P-B, Rip, A., Stirling, A. and Stöckelová, T., Science in Society: caring for our futures in turbulent times. (European Science Foundation, Strasbourg: 2013). *Winner of Ziman award (2014)*.
- Stilgoe, J., Irwin, A., Jones, K., The Received Wisdom: opening up expert advice. (Demos, London: 2006) ISBN 1-84180-170-4

Articles in refereed journals

- Irwin, A. and Horst, M., 'Always relevant? Finding a place for the social sciences in the technical university and the business school.' Minerva. 2024.
- Irwin, A., 'STS and innovation: borderlands, regenerations and critical engagements.' Engaging Science, Technology, and Society. 2023. Vol 9(2). pp.41-56.
- Irwin, A., 'STS and innovation: building and jumping fences.' Engaging Science, Technology, and Society. 2023. Vol 9(2). pp.131-136.
- Irwin, A. and Sun, T.Q., 'Transformative innovation policy: a case-study from China.' Innovation and Development Policy. 3. 2021. pp.21-37.
- Irwin, A., Vedel, J.B. and Vikkelsø, S., 'Isomorphic difference: familiarity and distinctiveness in national research and innovation policies.' Research Policy. 50(4). 2021.
- Irwin, A., 'Re-making "quality" within the social sciences: the debate over rigour and relevance in the modern business school.' The Sociological Review. Vol.67(1). 2019. pp.194-209.
- Vedel, J.B. and Irwin, A., "'This is what we got, what would you like?": aligning and unaligning academic-industry relations.' Social Studies of Science Vol. 47(3). 2017. pp.417-438.
- Irwin, A., 'If the indicator game is the answer, then what is the question?' Engaging Science, Technology and Society Vol.3, 2017. pp.64-72.
- Irwin, A. and Horst, M., 'Communicating trust and trusting science communication – some critical remarks.' Journal of Science Communication Vol. 15(06) 2016. pp.1-5.

- Irwin, A., 'On the local constitution of global futures: science and democratic engagement in a decentred world.' Nordic Journal of Science and Technology Studies. Vol. 3(2). 2015. pp.24-33.
- Irwin, A., 'From deficit to democracy (revisited).' Public Understanding of Science. Vol 23(1) 2014. pp.71-76.
- Vedel, J.B., Irwin, A. and Andersen, P.H., 'Externalising research through adaptive frameworks.' Nature Reviews Drug Discovery 12. 2013. pp.723-4.
- Jones, K.E. and Irwin, A., 'Un espace d'engagement citoyen? La participation profane et le changement institutionnel dans la gouvernance contemporaine des risques.' Revue d'anthropologie des connaissances 2013/1 pp.145-170.
- Irwin, A., Jensen, T.E., Jones, K.E., 'The good, the bad and the perfect: criticising engagement practice'. Social Studies of Science Vol. 43(1) 2013 pp119-136.
- Horst, M. and Irwin, A., 'Nations at Ease with Radical Knowledge: on consensus, consensusing and false consensusness'. Social Studies of Science Vol 40(1) 2010 pp.105-126.
- Irwin, A., 'Se confronter à l'engagement: discussion autour de trois perspectives critiques'. Questions de Communication. Vol 17. 2010 pp.107-128.
- Horst, M., Irwin, A., Healey, P. and Hagendijk, R., 'European scientific governance in a global context: resonances, implications and reflections'. IDS Bulletin. Vol 38(5) 2007 pp.6-20.
- Smith, D. and Irwin, A. 'Complexity, risk and emergence: elements of a "management" dilemma'. Risk Management: an international journal. Vol 8(4) 2006 pp.221-26.
- Hagendijk, R. and Irwin, A., 'Public deliberation and governance: engaging with science and technology in contemporary Europe'. Minerva Vol. 44(2) 2006 pp.167-184.
- Irwin, A., 'The politics of talk: coming to terms with the "new" scientific governance.' Social Studies of Science Vol. 36(2) 2006. pp299-320. *Winner of David Edge prize (2009)*.
- Irwin, A., 'Scientific Governance in Europe: towards a critical perspective'. Asia Pacific Journal of Environmental Law. Vol. 8(3/4) 2004. pp.47-66.
- Irwin, A., 'On the juggernaut's trail'. Social Studies of Science. Vol 32(4), August 2002. pp. 615-24.
- Irwin, A., 'Constructing the scientific citizen: science and democracy in the biosciences'. Public Understanding of Science Vol 10 (1), 2001 pp1-18. Reprinted in Glasner, P. (ed) Reconfiguring Nature: issues and debates in the new genetics (Ashgate, Aldershot and Burlington: 2004) pp. 281-310.
- Walker, G., Simmons, P., Irwin, A. and Wynne, B., 'Risk communication, public participation and the Seveso II Directive'. Journal of Hazardous Materials. 65, 1999 pp.179-90.
- Rothstein, H., Irwin, A., Yearley, S. and Mc Carthy, E., 'Regulatory science, Europeanisation and the control of agrochemicals'. Science, Technology and Human Values. Vol 24 (2), Spring 1999 pp.241-64.
- Irwin, A., Simmons, P. and Walker, G., 'Faulty environments and risk reasoning: the local understanding of industrial hazards'. Environment and Planning A. Vol. 31(7), 1999 pp.1311-26.
- Irwin, A., 'Business as usual? science, globality and the environment'. Global Environmental Change Vol.8 (3), 1998 pp.279-83.
- Irwin, A., 'Scientific citizenship and the public understanding of science'. Science and Technology Policy and Management. Issue 3, 1998 pp.24-45.
- Irwin, A., Rothstein, H., Yearley, S. and Mc Carthy, E., 'Regulatory science - towards a sociological framework'. Futures Vol.29 (1) pp.17-31, 1997.
- Green, K., McMeekin, A. and Irwin, A., 'Technological trajectories and Research and

- Development for environmental innovation in UK firms' Futures Vol 26 (10) 1994 pp.1047-59.
- Irwin, A., Georg, S. and Vergragt, P., 'The social management of environmental change' Futures 26 (3) 1994 pp.323-34.
- Irwin, A., 'Science and its publics - continuity and change in the risk society' Social Studies of Science Vol 24, No.1, 1994 pp. 168-184.
- Irwin, A. and Hooper, P.D., 'Clean Technology, successful innovation and the "greening of industry"', Business Strategy and the Environment Summer 1992 Vol 1 Part 2, pp. 1-13.
- Irwin, A. and Lloyd, D. 'Pragmatism, effectiveness and institutional judgement in the British control of major accident hazards'. Technology Analysis and Strategic Management Vol 4, No. 2, 1992 pp. 115-132.
- Irwin, A., and Vergragt, P., 'Re-thinking the relationship between environmental regulation and industrial innovation: the social negotiation of technical change', Technology Analysis and Strategic Management, Vol. 1, 1989, pp. 57-70.
- Irwin, A. and Jupp A., 'Emergency response and the provision of public information under CIMAH - a community case-study', Disaster Management, Vol. 1, No. 4, 1989, pp. 33-38.
- Irwin, A., 'Technical expertise and risk conflict: an institutional study of the British compulsory seat belt debate', Policy Sciences 20, 1987, pp. 339-64.
- Smith, D. and Irwin, A., 'Public attitudes to technological risk: the contribution of survey data to policy-making', Transactions of the Institute of British Geographers, 1984, pp. 419-426.
- Irwin, A., 'Risiko analyse: wie kiest er in wetenschap en technologie', Wetenschap en Samenleving, 1984 (3), pp. 7-9.
- Irwin, A. and Green K., 'The control of chemical carcinogens in Britain', Policy and Politics, Vol. 11 (4), October 1983, pp. 439-459.
- Irwin, A., Smith D. and Griffiths, R., 'Risk analysis and public policy for major hazards', Physics in Technology, Vol. 13 (6), November 1982, pp. 258-265.

#### Book chapters

- Felt, U. and Irwin, A., 'Introduction: on encyclopedias, maps and multiplicities.' In Felt, U. and Irwin, A. (eds) Elgar Encyclopedia of Science and Technology Studies (Edward Elgar, Cheltenham: 2024). pp.1-11.
- Irwin, A. and Pfothenauer, S., 'Innovation'. In Felt, U. and Irwin, A. (eds) Elgar Encyclopedia of Science and Technology Studies (Edward Elgar, Cheltenham: 2024). pp.340-348.
- Irwin, A. 'Open up the business school! From rigour and relevance to purpose, responsibility and quality.' In Cornuel, E., Thomas, H. and Wood, M. (eds) Perspectives on the Impact, Mission and Purpose of the Business School. Routledge: London: 2023). pp.39-43.
- Irwin, A., 'Teaching and learning with our colleagues: the Associate Professor Development Programme at Copenhagen Business School'. In Thomsen, T.U., Lindgreen, A., Kjærgaard, A., Rosier, A. and Tuncdogan, A. (eds) Handbook of Teaching and Learning in Business Schools: a practice-based approach. (Edward Elgar, Cheltenham: 2021). pp.291-301.
- Irwin, A., "'Don't think you can be everyone's friend": dealing with conflict in an academic department.' In Lindgreen, A., Irwin, A., Poulfelt, F. and Thomsen, T.U. (eds) How to Lead Academic Departments Successfully. (Edward Elgar, Cheltenham: 2021).

- pp.117-126.
- Irwin, A., 'Citizen science and public policy-making: a thought experiment'. In Cohen, K. and Doubleday, R. (eds) Future Directions for Citizen Science and Public Policy. (Centre for Science and Policy, Cambridge: June 2021). pp.28-31
- Irwin, A., 'Risk, science and public communication: third order thinking about scientific culture'. In Bucchi, M. and Trench, B. (eds) Handbook of Public Communication of Science and Technology. Third edition. (Routledge, London and New York: 2021). pp.147-162.
- Irwin, A. and Horst, M., 'Problem-making.' In Lury, C., Clough, P.T., Chung, U., Fensham, R., Lammes, S., Last, A., Michael, M. and Uprichard, E. (eds) Routledge Handbook of Interdisciplinary Research Methods (Routledge, London and New York: 2018). pp.329-333.
- Mahr, D., Göbel, C., Irwin, A. and Vohland, K., 'Watching or being watched: enhancing productive discussion between the citizen sciences, the social sciences and the humanities.' In Hecker, S. Haklay, M., Bowser, A., Makuch, Z. Vogel, J. and Bonn, A. (Eds) Citizen Science: Innovation in Open Science, Society and Policy. (UCL Press, London : 2018). pp. 99-109
- Irwin, A., 'Foreword'. In Ceccaroni, L. and Piera, J. (eds) Analyzing the Role of Citizen Science in Modern Research. (IGI Global, Hershey PA: 2017). pp.xv-xvii.
- Horst, M., Davies, S.R., and Irwin, A., 'Reframing science communication.' In Felt, U., Fouché, R., Miller, C.A. and Smith-Doerr, L. (eds) Handbook of Science and Technology Studies, 4<sup>th</sup> Edition (MIT Press, Cambridge, MA: 2017). pp881-907.
- Irwin, A., 'Mixing oil and water: on the co-production of professional and disciplinary goals in the modern business school.' In Huzzard, T., Benner, M., Kärreman, D. (eds) The Corporatization of the Business School: Minerva meets the Market. (Routledge, London and New York: 2017). pp217-233.
- Irwin, A. and Horst, M., 'Engaging in a decentred world: overflows, ambiguities, and the governance of climate change.' In Chilvers, J. and Kearnes, M. (eds) Remaking Participation: science, environment and emergent publics (Routledge, London and New York: 2016). pp64-80. *Winner of Amsterdamska award (2018)*.
- Horst, M. and Irwin, A., 'Succeeding in a European research environment: eleven lessons from Denmark'. In Dingwall, R. and McDonnell, M.B. (eds) The Sage Handbook of Research Management (Sage, London, Thousand Oaks, New Delhi, Singapore: 2015). pp247-258.
- Irwin, A., 'Public engagement with science'. Entry in Wright, J. (ed) International Encyclopedia of Social and Behavioral Sciences. 2<sup>nd</sup> Edition. (Elsevier, Kidlington: 2015).
- Irwin, A., 'Risk, science and public communication: third order thinking about scientific culture'. In Bucchi, M. and Trench, B. (eds) Handbook of Public Communication of Science and Technology 2<sup>nd</sup> Edition (Routledge, London and New York: 2014) pp160-172.
- Irwin, A., Salskov-Iversen, D. and Morsing, M. 'Business schools in society: the distinctiveness of diversity'. In Morsing, M. and Rovira, A.S. (eds) Business Schools and their Contribution to Society. (Sage, LA, London and New Delhi: 2011) pp75-84.
- Irwin, A., 'Foreword'. In Dowty, R.A. and Allen, B.L. (eds) Dynamics of Disaster: lessons in risk, response and recovery (Earthscan, London and Washington DC: 2011) pp xv-xix.
- Jones, K.E. and Irwin, A., 'Creating space for engagement? Lay membership in contemporary risk governance'. In Hutter, B.M. (ed) Anticipating Risks and Organising Risk Regulation in the 21<sup>st</sup> Century (Cambridge University Press, Cambridge: 2010)



- pp185-207.
- Fischbacher-Smith, D., Irwin, A., and Fischbacher-Smith, M., 'Bringing light to the shadows and shadows to the light: risk, risk management and risk communication'. In Bennett, P., Calman, K., Curtis, S. and Fischbacher-Smith, D., (eds) Risk Communication and Public Health (Oxford University Press, Oxford: 2010) pp23-38.
- Irwin, A., 'Foreword'. In Lidskog, R., Soneryd, L. And Ugglå, Y., Transboundary Risk Governance (Earthscan, London and Sterling, VA: 2010) ppixiii-xvii.
- Irwin, A., 'Moving forwards or in circles? Scientific communication and scientific governance in an age of innovation'. In Holliman, R., Whitelegg, E., Scanlon, E., Smidt, S. and J. Thomas (eds) Investigating Science Communication in the Information Age: implications for public engagement and popular media (Oxford University Press, Oxford: 2008) pp3-17.
- Irwin, A., 'Science, Democracy, and Social (Dis)order: some concluding reflections'. In Stehr, N. (ed) Knowledge and Democracy: a 21<sup>st</sup> century perspective (Transaction Publishers, New Brunswick and London: 2008). pp217-226.
- Irwin, A., 'Risk, science and public communication: third order thinking about scientific culture'. In Bucchi, M. and Trench, B. (eds) Handbook of Public Communication of Science and Technology (Routledge, London and New York 2008) pp199-212.
- Irwin, A., 'STS perspectives on scientific governance'. In Hackett, E.J, Amsterdamska, O., Lynch, M. and Wajcman, J. (eds) The Handbook of Science and Technology Studies Third Edition (MIT Press, Cambridge MA: 2008) pp583-607.
- Irwin, A., 'Public dialogue and the scientific citizen'. In Flynn, R. and Bellaby, P. (eds) Risk and the Public Acceptance of New Technologies. (Palgrave-Macmillan, Basingstoke: 2007) pp24-40.
- Irwin, A., 'Beyond the toolkit: bringing engagement into practice'. In Turney, J. (ed) Engaging Science: thoughts, deeds, analysis and action. (Wellcome Trust, London: 2006) pp50-55.
- Irwin, A., 'The global context for risk governance: national regulatory policy in an international framework'. In Bennett, B. and Tomossy, G. (eds) Globalization and Health: challenges for health law and bioethics. (Springer, Amsterdam: 2006) pp71-85.
- Irwin, A. and Horst, M., 'Science, technology and governance in Europe: lessons from the STAGE project'. In Centro de Gestão e Estudos Estratégicos (ed) Ciência, Tecnologia e Sociedade: novos modelos de governança (CGEE, Brasília: 2005) pp15-46.
- Irwin, A., Entries on 'sociology of the environment' (Vol. 1: pp305-07) and 'risk society' (Vol. 2: pp884-6) in Kuper, A. and Kuper, J. (eds) The Social Science Encyclopedia . Third Edition. (Routledge, London: 2005).
- Irwin, A., 'Expertise and experience in the governance of science: what is public participation for?' In Edmond, G., (ed) Expertise in Law and Regulation (Ashgate, Aldershot and Burlington: 2004) pp32-50.
- Irwin, A. and Rothstein, H., 'Regulatory science in a global regime'. In den Hond, F., Groenewegen, P. and van Straalen, N.M. (eds) Pesticides: problems, improvements, alternatives. (Blackwell, Oxford: 2003) pp77-86.
- Georg, S. and Irwin, A., 'Re-interpreting local-global partnerships.' In de Bruijn, T.J.N.M. and Tukker, A. (eds), Partnership and Leadership: building alliances for a sustainable future. (Kluwer, Dordrecht: 2002) pp61-76.
- Rothstein, H. and Irwin, A. 'Reconstructing the local and the global: Europeanisation, regulation and changing knowledge relations'. In Lawton-Smith, H. (ed) The Regulation of Science and Technology (Palgrave, Basingstoke; 2002) pp161-175
- Irwin, A., Allan, S. and Welsh, I. 'Nuclear Risks: three problematics'. In Adam, B., Beck, U.

- and van Loon, J. (ed) The Risk Society and Beyond: critical issues for social theory (Sage, London, Thousand Oaks, New Delhi; 2000) pp78-104.
- Irwin, A. 'Science and citizenship'. In Scanlon, E., Whitelegg, E. and Yates, S. (eds) Communicating Science: Contexts and Channels. Reader 2. (Routledge, London and New York; 1999) pp 14-36. Reproduction of Citizen Science, Chapter 1.
- Irwin, A. 'Introduction' in Miettinen, R. (ed) Biotechnology and Public Understanding of Science. (Academy of Finland, Helsinki; 1999) pp6-10.
- Irwin, A., Mc Carthy, E., Rothstein, H. and Yearley, S., 'Regulatory science and the European control of agrochemicals' in Bal, R. and Halffman, W.(eds), The Politics of Chemical Risk: scenarios for a regulatory future (Kluwer, Dordrecht; 1998) pp231-250
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- Brazier, A., Irwin, A., Kelly, C., Prince, L., Simmons, P., Walker, G.P. and Wynne, B., 'Public perceptions of risk associated with major industrial hazard sites' in Guedes Soares, C. (ed) Advances in Safety and Reliability (Pergamon, Oxford; 1997) pp37-44.
- Irwin, A., 'The public understanding of science' in JSPS-UK Research Council Symposium, Science and Society (Pilkington Press, Yelvertoft Manor; 1997) pp66-8, pp72-3, pp74-5, pp83-4.
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- Irwin, A., Dale, A., and Smith, D. 'Science and Hell's kitchen: the local understanding of hazard issues' in Irwin and Wynne (eds) Misunderstanding Science? the public reconstruction of science and technology (Cambridge University Press, Cambridge; 1996) pp47-64.
- Irwin, A. and Wynne, B. 'Introduction' and 'Conclusion' in Irwin and Wynne op. cit. pp1-18 and 213-221.
- Irwin, A., 'Acid pollution and public policy: the changing climate of environmental decision-making' in Radojevic, M. and Harrison, R.M. (eds) Atmospheric Acidity: sources, consequences and abatement (Elsevier, London and New York; 1992) pp. 549-576.
- Jupp, A. and Irwin, A., 'Audiences, disseminators and major hazard issues: an analysis of recent British case studies' in Gow, H.B.F. and Otway, H. (eds) Communicating with the Public about Major Accident Hazards (Elsevier, London and New York: 1990) pp422-428.
- Irwin, A., 'Deciding about risk: expert testimony and the regulation of hazard' and 'Conclusion' in Brown J. (ed.) Environmental Threats: Perception, Analysis and Management (Belhaven Press, London and New York: 1989) pp19-32 and 133-137.
- Irwin, A., 'Health education and health politics: the case of cancer in Britain', in Campbell, G. (ed.), Health Education, Youth and Community (The Falmer Press, London: 1987), pp29-34.
- Irwin, A. and Russell, D., 'Fighting back against cancer', in Goldsmith, E. and Hildyard, N. (eds.), Green Britain or Industrial Wasteland? (Polity Press, Cambridge: 1986), pp314-321.
- Irwin, A., 'Controlling technological risks: the case of carcinogenic chemicals', in Gibbons, M. and Gummert P. (eds.) Science, Technology and Society Today (Manchester University Press, Manchester; 1984) pp79-95.
- Irwin, A., 'Some comments on the historical development of risk assessment' in Conrad, J.

(ed.), Society, Technology and Risk Assessment (Academic Press, London: 1980). This paper was reprinted (in German) in Conrad, J. Gesellschaft, Technik und Risikopolitik (Springer-Verlag, Berlin: 1983).

### Grants/contracts

Sino Danish Centre Social Science: Sino-Danish workshop on new directions in research and research policy (2024) 45,000 Danish kroner  
Sino Danish Centre/CBS: Isomorphic difference and inter-state competition: a study of China (2019) 1,828,937 Danish kroner  
Danish Council for Independent Research (DFF): Isomorphic differences: familiarity and distinctiveness in national science and innovation policies. (2018) 5,497,230 Danish kroner.  
European Commission: academic coordinator of thematic network on 'Science, Technology and Governance in Europe' (STAGE). 2001-4. Total award 400,000 euro (£95,202 to Brunel)  
Academic Coordinator, Economic and Social Research Council, New Opportunities Programme in the 'Public Understanding of Science' (February 1998- August 1999). £64,731.  
Leverhulme Trust: Public understanding of risk: perception, trust and stakeholder participation in public policy. 2001-6 (joint project with University of East Anglia and University of Wales Cardiff). £1.3 million.  
ESRC: director of seminar series on 'The social dynamics of controversy and control in the biosciences'. 2000-2. £12,148.  
Health and Safety Executive: Public perception of risks associated with major hazard sites. 1995-8. (joint project with Lancaster and Staffordshire universities) £500, 000.  
ESRC: Regulatory Science; industry, academic research and the European control of chemical toxicity. Awarded November 1994. £110,620 (joint project with University of York)  
European Commission (SEER Programme): The social management of environmental change. 350,000 ecu coordinated at Brunel and involving three European research centres (Brunel, Delft University, Copenhagen Business School)  
Nuffield Foundation, Evaluation of UK Science Shops. Research Consultancy.  
EEC (SAST programme): The environmental consequences of plastics innovation in the automobile sector. £36,000 (Joint project with University of Groningen)  
ESRC: Clean Technology: an evaluation of policy-making and implementation in the UK. Awarded April 1990. £32,660  
ESRC: The public understanding of hazard issues. Awarded December 1987. £16,500.  
SSRC/SERC the British control of chemical carcinogens. Awarded 1979. £11,000.

### PhD and research supervision

Currently main supervisor for two PhDs at CBS (Sophie Wiggo Hoffritz and Armin Scheer).

Have supervised 13 PhDs to successful completion.

### External Examining

External Examiner to PhD theses: ANU, Canberra (2019), University of Aston (1988),

University of Bristol (1997), Cardiff University (2006, 2010), Copenhagen University (2010, 2017), University of Dublin (2002), Copenhagen Business School (2003), Danish Technical University (2010), University of Durham (1998), University of East Anglia (1999, 2002, 2007), University of Edinburgh (2015, 2022), Glasgow University (2015), Imperial College, London (1999), University of Lancaster (1992, 1994, 1997, 2002), University of Leeds (1986,1987), Liverpool John Moores University (1998), University of Lund (2011), University of Manchester (2001), Manchester Metropolitan University (2007), University of Nottingham (2007, 2018), Norwegian University of Life Sciences (2019), Queen's University, Canada (2013), Radboud University (2024), Roskilde University (2016), NTNU Trondheim (2014), University of Sussex (1992, 1995), University College London (2003), University of Technology Sydney (2002), University of Vienna (2015), Wageningen University (2020).

External Examiner (2004-10): Open University. MSc in Science and the Public

External Examiner (2004-6): Goldsmiths College, University of London. Department of Sociology

External assessor (2002): University of Edinburgh, postgraduate programme in Science Studies

External Assessor (1997): University of Leicester, M.Sc. in Risk, Crisis and Disaster Management

External Examiner (1996-2002): University of Salford, M.Sc. in Technology and Society

External Examiner (1992-1996): University of the West of England, Masters programme in Social Sciences

External Examiner (1991-1996): Manchester Metropolitan University, Diploma in Public Health

External Assessor (1991): University of the West of England, postgraduate programme in Social Sciences

External Assessor (1989): Manchester Polytechnic, undergraduate programme in Combined Studies.