

# Annotated Bibliography – Greening Events Project

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This annotated bibliography is a *working document* that gives an indication of the areas we have been investigating as part of our background research into understanding academically related events and their impacts on sustainability (economic, social and environmental) as part of the Greening Events Project <<http://greeningevents.ilrt.bris.ac.uk/>>.

The references have a largely practical focus since the Greening Events aims to help provide practical guidance, albeit preliminary, to stakeholders in the funding, organising, attending, hosting, sponsoring and other aspects of academically related events.

In this early version there are few annotations, our plan is to add brief introductions to the sections and annotations to references we have found particularly useful.

As the document evolves we hope that it will help those interested in sustainability in the context of academically related events (indeed events in general) find their way into understanding the issues.

We have, where possible, provided some form of URL or identifier that will enable readers to locate information about the documents online.

We plan to set up a community based online version of this bibliography – we are currently evaluating the suitability of various online bibliographic tools for this purpose.

## ***Sustainable Events Guides and Guidelines***

In our scan we found a number of guides and guidelines designed mainly for event organisers to enable them to design and manage their physical events to be more sustainable.

### **Extensive Guides**

Bigwood, Guy, and Michael Luehrs. 2010. *Copenhagen Sustainable Meetings Protocol: Sharing best practice and leadership strategies*. Copenhagen Sustainable Meetings Coalition. <http://www.e-pages.dk/visitdenmark/467/fullpdf/full14c09124822d86.pdf>.

Food and Rural Affairs Department for Environment, 2007. *Sustainable Events Guide*. DEFRA. <http://www.defra.gov.uk/sustainable/government/advice/documents/SustainableEventsGuide.pdf>.

Manchester City Council, 2006. *A Guide to Greening Your Event*. <http://www.manchester.gov.uk/download/7951/greenguide>.

The Green Meetings Task Force, 2004. *Green Meetings Report*. Convention Industry Council.  
[http://www.conventionindustry.org/projects/green\\_meetings\\_report.pdf](http://www.conventionindustry.org/projects/green_meetings_report.pdf).

Seventeen Events. 2009. *Sustainable Events Guide: Why event planners should consider sustainability and information on how to do it*. Seventeen Events. <http://www.seventeenevents.co.uk/wp-content/uploads/2009/05/sustainable-events-guide.pdf>.

William McDonough & Partners. 1992. *The Hannover Principles: Design for Sustainability (Prepared for EXPO 2000 The World's Fair Hannover, Germany)*. <http://www.mcdonough.com/principles.pdf>.

United Nations Environment Programme, 2009. *Green Meeting Guide 2009: Roll out the Green Carpet for your Participants*.  
<http://new.unep.org/pdf/GreenMeetingGuide.pdf>.

The London Organising Committee Of The Olympic Games And Paralympic Games Ltd. 2010. *London 2012 Sustainability guidelines – corporate and public events (Second edition)*. <http://www.london2012.com/documents/locog-publications/london-2012-sustainability-events-guidelines.pdf>.

### **Smaller Guides (Examples)**

There are many examples of smaller scale and organisation specific guidelines, typical examples include:

Duke University, 2005. Green Event Planning Guide.  
[http://cme.mc.duke.edu/wysiwyg/downloads/Duke\\_Green\\_Event\\_Planning\\_Guide.pdf](http://cme.mc.duke.edu/wysiwyg/downloads/Duke_Green_Event_Planning_Guide.pdf)

Green Guidelines: Conference Organisation and Planning from the 9th International Conference on Southern Hemisphere Meteorology and Oceanography  
[http://www.bom.gov.au/events/9icshmo/green\\_guidelines.shtml](http://www.bom.gov.au/events/9icshmo/green_guidelines.shtml)

WWF, 2010. Quick Guide to Greening your Event.  
[http://www.earthhour.org.za/images/event/WWF\\_Green\\_Event\\_Guide.pdf](http://www.earthhour.org.za/images/event/WWF_Green_Event_Guide.pdf)

### **Case Studies**

In addition to guides there are a range of case studies that illustrate how specific events have attempted to improve their sustainable outcomes

World Summit on Sustainable Development, 2002. Leaving a Green Legacy: Thousands are doing their bit are you?  
<http://www.undp.org/gef/documents/publications/booklet-greening-wssd.pdf>

Greening the World Congress from the organisers of the ICLEI (International Council for Local Environmental Initiatives) World Congress 2006  
<http://www.iclei-europe.org/index.php?id=1695>

### ***Environmental and Social Life Cycle Assessment (LCA) inc. Carbon Footprinting - Standards***

There are a number of existing and under-development standards related to 'sustainable events management'. (see also Sustainable Procurement)

The BS8901 standard was published in 2007 and is being developed further into an international (ISO) standard. There are other environmental management and socially focused reporting standards that are more or less directly relevant to 'sustainable events'

BSI Group. *BS 8901 - Sustainability Management Systems for Events*. BSI Group. <http://www.bsigroup.co.uk/en/Assessment-and-Certification-services/Management-systems/Standards-and-Schemes/BS-8901/>

ISO 14000 series of 'environment management' standards (see [http://en.wikipedia.org/wiki/ISO\\_14000](http://en.wikipedia.org/wiki/ISO_14000))

- ISO 14001 Environmental management systems—Requirements with guidance for use
- ISO 14004 Environmental management systems—General guidelines on principles, systems and support techniques
- ISO 14015 Environmental assessment of sites and organizations
- ISO 14020 series (14020 to 14025) Environmental labels and declarations
- ISO 14031 Environmental performance evaluation—Guidelines
- ISO 14040 series (14040 to 14049), Life Cycle Assessment, LCA, discusses pre-production planning and environment goal setting.
- ISO 14050 terms and definitions.
- ISO 14062 discusses making improvements to environmental impact goals.
- ISO 14063 Environmental communication—Guidelines and examples
- ISO 14064 Measuring, quantifying, and reducing Greenhouse Gas emissions.
- ISO 19011 which specifies one audit protocol for both 14000 and 9000 series standards together.

In addition there are new standards under development by ISO:

#### Carbon Footprinting

- ISO 14067-1 Carbon footprint of products -- Part 1: Quantification
- ISO 14067-2 Carbon footprint of products -- Part 2: Communication

[Here 'product' includes both goods and services and so events would be included]

- ISO 14069 GHG -- Quantification and reporting of GHG emissions for organizations (Carbonfootprint of organization) -- Guidance for the application of ISO 14064-1

#### Sustainable Events

- ISO 20121 Sustainability in event management  
([http://www.iso.org/iso/catalogue\\_detail.htm?csnumber=54552](http://www.iso.org/iso/catalogue_detail.htm?csnumber=54552))  
[Builds on BS8901 see above]

Greenhouse Gas Protocol (World Resources Institute (WRI) & World Business Council for Sustainable Development(WBCSD)) provide technical standards for GHG reporting. These include:

World Business Council for Sustainable Development, and World Resources Institute. 2004. *The greenhouse gas protocol : a corporate accounting and reporting standard..* World Business Council for Sustainable Development ; World Resources Institute.  
<http://www.worldcat.org/isbn/1569735689>.

World Business Council For Sustainable Development, and World Resources Institute. 2005. *The greenhouse gas protocol : the GHG protocol for project accounting..* World Business Council for Sustainable Development ; World Resources Institute.  
<http://www.worldcat.org/isbn/1569735980>.

There are a further two standards under development that cover the products and indirect ghg emissions of organisations:

- Product Life Cycle Accounting and Reporting Standard -  
<http://www.ghgprotocol.org/standards/product-and-supply-chain-standard>
- Scope 3 Accounting and Reporting Standards -  
<http://www.ghgprotocol.org/standards/product-and-supply-chain-standard>

PAS2050 - specification for the assessment of the life cycle greenhouse gas emissions of goods and services by BSI and the Carbon Trust

- BSI Group, and Carbon Trust. 2008. *PAS 2050:2008 : specification for the assessment of the life cycle greenhouse gas emissions of goods and services..* BSI British Standards Institution.  
<http://www.bsigroup.com/upload/Standards%20&%20Publications/Energy/PAS2050.pdf>

- BSI Group, and Carbon Trust. 2008. *Guide to PAS 2050. How to assess the carbon footprint of goods and services*. BSI Group. <http://shop.bsigroup.com/en/Browse-by-Sector/Energy--Utilities/PAS-2050/>

#### Social Life Cycle Assessment

- UNEP/SETAC Life Cycle Initiative. 2009. *Guidelines for Social Life Cycle Assessment of Products*. Catherine Benoit and Bernard Mazjin. [http://www.unep.fr/shared/publications/pdf/DTIx1164xPA-guidelines\\_sLCA.pdf](http://www.unep.fr/shared/publications/pdf/DTIx1164xPA-guidelines_sLCA.pdf).

### **Sustainable Events Management**

There is a small but rapidly developing literature on sustainable events management and events management in the context of sustainability (see also Events Management & Tourism)

Jones, Meegan. *Sustainable Event Management: A Practical Guide*. Earthscan Publications Ltd. <http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/184407739X>.

Raj, Razaq, and James Musgrave. (eds) 2009. *Event Management and Sustainability*. CABI. <http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/1845935241>.

[This is the most extensive academically focused work related to Event Management and Sustainability – it contains a wide range of chapters covering sustainability concepts in the context of events management, economics, social and environmental impacts of events, management models of sustainable events and case studies]

### **Events Management & Tourism**

Events management and Tourism and specifically ‘green’ or sustainable tourism has a very large literature. Here we simply list some examples of works located in our scan that have clear relevance to Greening Events and may act as starting points to further exploration.

Srinivas, Hari. 2010. *The Sustainable Tourism Gateway*. <http://www.gdrc.org/uem/eco-tour/st-journals.html>

[An apparently comprehensive (if not exhaustive) list of journals related to sustainable tourism]

Getz, Donald. 2007. *Event Studies: Theory, Research and Policy for Planned Events (Events Management)*. Butterworth-Heinemann. <http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/0750669594>.

[This book is the only work we have found so far that looks at ‘events studies’ as an academic field of study from the point of view of relating it to its foundational disciplines such as psychology, sociology, human geography, management, etc. and as such provides significant insight into the multi-disciplinarity of ‘events’]

## **Sustainability Impact Assessments & Indicators**

### **Environmental Life Cycle Assessment**

Bauman, Henrikke, and Anne-Marie Tillman. 2004. *The Hitch Hiker's Guide to LCA*. Studentlitteratur AB.

<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/9144023642>.

Graedel, T. E. 1998. *Streamlined life-cycle assessment*. Prentice Hall.

<http://www.worldcat.org/isbn/0136074251>.

McCorkell, Gabrielle. 2008. Teleworking Life Cycle Analysis. "URS Australia Pty Ltd" and Telstra.

<http://www.telstra.com.au/abouttelstra/download/document/teleworking-full-report.pdf>.

Moberg, Åsa, Martin Johansson, Göran Finnveden, and Alex Jonsson. 2010. Printed and tablet e-paper newspaper from an environmental perspective — A screening life cycle assessment. *Environmental Impact Assessment Review* 30, no. 3: 177-191. doi:10.1016/j.eiar.2009.07.001.

<http://linkinghub.elsevier.com/retrieve/pii/S0195925509000936>.

Pérez, Manuela Pérez, Angel Martínez Sánchez, María Pilar de Luis Carnicer, and María José Vela Jiménez. 2004. The environmental impacts of teleworking: A model of urban analysis and a case study. *Management of Environmental Quality: An International Journal* 15, no. 6: 656-671.

doi:10.1108/14777830410560728.

<http://www.ingentaconnect.com/content/mcb/083/2004/00000015/00000006/art00007>.

Rees, William. 1996. *Our ecological footprint : reducing human impact on earth*. New Society Publishers. <http://www.worldcat.org/isbn/9780865713123>.

### **Social Life Cycle Assessment**

UNEP/SETAC Life Cycle Initiative. 2009. *Guidelines for Social Life Cycle Assessment of Products*. Catherine Benoit and Bernard Mazjin.

[http://www.unep.fr/shared/publications/pdf/DTIx1164xPA-guidelines\\_sLCA.pdf](http://www.unep.fr/shared/publications/pdf/DTIx1164xPA-guidelines_sLCA.pdf).

## Sustainability Indicators

Bell, Simon, and Stephen Morse. 2008. *Sustainability Indicators: Measuring the Immeasurable*. Revised an. Earthscan Publications Ltd.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/1844072991>.

Kasperson, Jeanne X., and Roger E. Kasperson. *Global Environmental Risk (Risk, Society and Policy)*. Earthscan Publications.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/1853838012>.

## Carbon Footprinting

BSI Group, and Carbon Trust. 2008. *Guide to PAS 2050. How to assess the carbon footprint of goods and services*. BSI Group.  
<http://www.worldcat.org/isbn/9780580646362>.

BSI Group, and Carbon Trust. 2008. *PAS 2050:2008 : specification for the assessment of the life cycle greenhouse gas emissions of goods and services..* BSI British Standards Institution.  
<http://www.worldcat.org/isbn/9780580509780>.

## Impact Assessments of Major Community & Sporting Events

Collins, Andrea, Calvin Jones, and Max Munday. 2009. Assessing the environmental impacts of mega sporting events: Two options?. *Tourism Management* 30, no. 6: 828-837. doi:10.1016/j.tourman.2008.12.006.  
<http://linkinghub.elsevier.com/retrieve/pii/S026151770800215X>.

Collins, Andrea, Andrew Flynn, Max Munday, and Annette Roberts. 2007. Assessing the Environmental Consequences of Major Sporting Events: The 2003/04 FA Cup Final. *Urban Studies* 44, no. 3: 457-476.  
doi:10.1080/00420980601131878.  
<http://linkinghub.elsevier.com/retrieve/pii/773144749>.

Sacks, Justin, Iris Wilkes, and Rory Seaford. 2002. *The Money Trail: Measuring your impact on the local economy using LM3*. New Economics Foundation.  
[http://www.neweconomics.org/sites/neweconomics.org/files/The\\_Money\\_Trail.pdf](http://www.neweconomics.org/sites/neweconomics.org/files/The_Money_Trail.pdf).

Ward, Bernie., Julie. Lewis, Iris Wilkes, and Rory Seaford. 2002. *Plugging the leaks : making the most of every pound that enters your local economy*. New Economics Foundation. <http://www.worldcat.org/isbn/1899407529>.

Wood, Emma H. 2005. Measuring the economic and social impacts of local authority events. *International Journal of Public Sector Management* 18, no. 1: 37-53. doi:10.1108/09513550510576143.

<http://www.ingentaconnect.com/content/mcb/042/2005/00000018/00000001/art00003>.

## **Economics**

Edwards-Jones, Gareth., Ben. Davies, and Salman. Hussain. 2000. *Ecological economics : an introduction*. Blackwell Science.  
<http://www.worldcat.org/isbn/0865427968>.

Garrod, Guy., and K. G. Willis. 2000. *Economic valuation of the environment : methods and case studies*. Edward Elgar.  
<http://www.worldcat.org/isbn/1840643277>.

HERRING, H. 2006. Energy efficiency—a critical view. *Energy* 31, no. 1: 10-20. doi:10.1016/j.energy.2004.04.055.  
<http://linkinghub.elsevier.com/retrieve/pii/S0360544204002427>.

Hussen, Ahmed M. 2000. *Principles of environmental economics : Economics, ecology and public policy..* Routledge.  
<http://www.worldcat.org/isbn/0415195713>.

Layard, P. R. G. 2005. *Happiness : lessons from a new science*. Penguin Press.  
<http://www.worldcat.org/isbn/9780141016900>.

Pearce, David W., and Edward Barbier. 2000. *Blueprint for a sustainable economy*. Earthscan.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/1853835153>.

Sacks, Justin, Iris Wilkes, and Rory Seaford. 2002. *The Money Trail: Measuring your impact on the local economy using LM3*. New Economics Foundation.  
[http://www.neweconomics.org/sites/neweconomics.org/files/The\\_Money\\_Trail.pdf](http://www.neweconomics.org/sites/neweconomics.org/files/The_Money_Trail.pdf).

Turner, R. Kerry., David W. Pearce, and Ian. Bateman. 1994. *Environmental economics : an elementary introduction*. Harvester Wheatsheaf.  
<http://www.worldcat.org/isbn/0745010830>.

Ward, Bernie., Julie. Lewis, Iris Wilkes, and Rory Seaford. 2002. *Plugging the leaks : making the most of every pound that enters your local economy*. New Economics Foundation. <http://www.worldcat.org/isbn/1899407529>.

## **Academia & Academic Events**

### **Academia & Academic Life**



Bourdieu, Pierre, and Peter (Translator) Collier. 1990. *Homo Academicus*. 1 ed. Stanford University Press.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/0804717982>.

Musselin, Christine. 2009. Towards A Sociology Of Academic Work. In ,Alberto Amaral, Ivar Bleiklie, and Christine Musselin, 24:47-56. *Higher Education Dynamics*. Springer Netherlands. doi:10.1007/978-1-4020-8994-7\_5. <http://www.springerlink.com/content/q0077vk3t67jk263>.

### **Academic Conferences (General)**

Adair, John G., Lauren M. Unik, and Cam-Loi Huynh. 2010. Psychology through international congresses: Differences between regions, countries, and congresses. *International Journal of Psychology* 45, no. 2: 155-162. doi:10.1080/00207590903157221.

Blumen, Orna, and Yoram Bar-Gal. 2006. The Academic Conference and the Status of Women: The Annual Meetings of the Israeli Geographical Society. *The Professional Geographer* 58, no. 3: 341-355. doi:10.1111/j.1467-9272.2006.00572.x.  
<http://www.ingentaconnect.com/content/bpl/prog/2006/00000058/00000003/art00008>.

Dann, G. 1997. Tourism conference goers—a serious typology?. *Tourism Management* 18, no. 5: 251-253. doi:10.1016/S0261-5177(97)00013-7.  
[http://linkinghub.elsevier.com/retrieve/pii/S0261-5177\(97\)00013-7](http://linkinghub.elsevier.com/retrieve/pii/S0261-5177(97)00013-7).

Fenton, Natalie, Alan Bryman, David Deacon, and Peter Birmingham. 1997. 'Sod off and find us a boffin': journalists and the social science conference. *Sociological Review* 45, no. 1: 1-23. doi:10.1111/1467-954X.00051.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/119146644/ABSTRACT>.

Hobson, J. 1993. Not another conference. *International Journal of Hospitality Management* 12, no. 2: 115-118. doi:10.1016/0278-4319(93)90002-Q.  
[http://linkinghub.elsevier.com/retrieve/pii/0278-4319\(93\)90002-Q](http://linkinghub.elsevier.com/retrieve/pii/0278-4319(93)90002-Q).

Jacobs, N., and A. McFarlane. 2005. Conferences as learning communities: some early lessons in using 'back-channel' technologies at an academic conference – distributed intelligence or divided attention?. *Journal of Computer Assisted Learning* 21, no. 5: 317-329. doi:10.1111/j.1365-2729.2005.00142.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2729.2005.00142.x>.

Kuhn, Michael, and Roger Wattenhofer. 2008. The Layered World of Scientific Conferences. In *Progress in WWW Research and Development*, 81-92. doi:10.1007/978-3-540-78849-2\_10.

Lodge, David. 2002. *Small World: An Academic Romance*. Penguin.

LYONS, L. 2007. The Dilemma for Academic Librarians with Collection Development Responsibilities: A Comparison of the Value of Attending Library Conferences versus Academic Conferences. *The Journal of Academic Librarianship* 33, no. 2: 180-189. doi:10.1016/j.acalib.2006.12.001. <http://linkinghub.elsevier.com/retrieve/pii/S0099133306002230>.

Mullins, Frank, Paul A. Mcknab, and Stephen D. Dempsey. 2002. Make The Most of a Conference Experience. *Intervention in School and Clinic* 38, no. 2: 113-116. doi:10.1177/10534512020380020701. <http://isc.sagepub.com/cgi/content/abstract/38/2/113>.

Oppermann, Martin. 1997. Tourism conferences - academic titillation, social interactions or job market?. *TOURISM MANAGEMENT* 18, no. 5.

Petsko, Gregory A. 2005. The highs and lows of scientific conferences. *Nature Reviews Molecular Cell Biology* 7, no. 3: 231-234. doi:10.1038/nrm1832.

Ramsower, R. M. 1997. *Mentoring and scholarship: Electronic possibilities for academic conferences*. J. N. D. Gupta. Atlanta: Association Information Systems.

Ridde, V, and K S Mohindra. 2009. The value of presenting at scientific conferences: reflections by a couple of early career researchers. *Journal of Epidemiology and Community Health* 63, no. 1: 3-3. doi:10.1136/jech.2008.077008. <http://jech.bmj.com/content/63/1/3.abstract>.

Schultz, James. 2003. Sluggish Visa Approval Process Hamstrings Scientific Conferences. *J. Natl. Cancer Inst.* 95, no. 8: 579-580. doi:10.1093/jnci/95.8.579. <http://jnci.oxfordjournals.org/cgi/content/abstract/95/8/579>.

Wershow, H. 1973. Academic Freedom And International Conferences. *Aaup Bulletin-American Association of University Professors* 59, no. 4.

### **Academic Conferences (Sustainability)**

Viswanathan, N P. 2008. Virtual congress of general practice is thriving. *BMJ* 337, no. jul08\_2. doi:10.1136/bmj.a681. [http://www.bmj.com/cgi/content/abstract/337/jul08\\_2/a681](http://www.bmj.com/cgi/content/abstract/337/jul08_2/a681).

Roberts, Ian, and Fiona Godlee. 2007. Reducing the carbon footprint of medical conferences. *BMJ* 334, no. 7589: 324-325. doi:10.1136/bmj.39125.468171.80. <http://www.bmj.com/cgi/content/abstract/334/7589/324>.

Leong, Julian J, James Kinross, David Taylor, and Sanjay Purkayastha. 2008. Surgeons have held conferences in Second Life. *BMJ* 337, no. jul08\_2. doi:10.1136/bmj.a683. [http://www.bmj.com/cgi/content/abstract/337/jul08\\_2/a683](http://www.bmj.com/cgi/content/abstract/337/jul08_2/a683).

Bonnett, Alastair. 2006. The need for sustainable conferences. *Area* 38, no. 3: 229-230. doi:10.1111/j.1475-4762.2006.00710.x.

Callister, Matthew E, and Mark J Griffiths. 2007. The carbon footprint of the American Thoracic Society meeting. *American journal of respiratory and critical care medicine* 175, no. 4.

Drife, James Owen. 2008. Are international medical conferences an outdated luxury the planet can't afford? No. *BMJ* 336, no. 7659. doi:10.1136/bmj.a351. <http://www.bmj.com/cgi/content/abstract/336/7659/1467>.

Fox, Helen E, Peter Kareiva, Brian Silliman, Jessica Hitt, David A Lytle, Benjamin S Halpern, Christine V Hawkes, et al. 2009. Why do we fly? Ecologists' sins of emission. *Frontiers in Ecology and the Environment* 7, no. 6: 294-296. doi:10.1890/09.WB.019.

Green, Malcolm. 2008. Are international medical conferences an outdated luxury the planet can't afford? Yes. *BMJ* 336, no. 7659. doi:10.1136/bmj.a358. <http://bmj.com/cgi/content/abstract/336/7659/1466>.

Hall, Edward. 2007. Alternative futures for academic conferences: a response to Bonnett. *Area* 39, no. 1: 125-129. doi:10.1111/j.1475-4762.2007.00732.x. <http://www.ingentaconnect.com/content/bpl/area/2007/00000039/00000001/art00017>.

Philippe, Hervé. 2008. Less is more: decreasing the number of scientific conferences to promote economic degrowth. *Trends in genetics : TIG* 24, no. 6: 265-267. doi:10.1016/j.tig.2008.03.006. <http://www.sciencedirect.com/science/article/B6TCY-4SD962B-1/1/cc04dbfbc6d47bef2718f4eb5d0b56b8>.

Pedelty, Mark. 2008. Academic Travel Causes Global Warming. *The Chronicle of Higher Education*. <http://chronicle.com/article/Academic-Travel-Causes-Glob/45937/>.

Editorial. 2004. Clean, green conferencing. *Nature* 432, no. 7015: 257-257. doi:10.1038/432257a.

### **Sociology of Science & Research**

Barber, Bernard, and Walter Hirsch. 1962. *The sociology of science*. Free Press of Glencoe. <http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/B0006D6FI2>.

Barnes, Barry. 1972. *Sociology of science: selected readings*; Penguin. <http://www.worldcat.org/isbn/0140806199>.

Latour, Bruno. 1999. *Pandora's hope : essays on the reality of science studies*. *GIS Proc. ACM Int. Symp. Adv. Geogr. Inf. Syst. GIS: Proceedings of the ACM International Symposium on Advances in Geographic Information Systems*. Routledge language family series. Harvard University Press. <http://www.worldcat.org/isbn/978>.

Merton, Robert King, and Elinor G. Barber. 2004. *The travels and adventures of serendipity : a study in historical semantics and the sociology of science*. Princeton University Press. <http://www.worldcat.org/isbn/0691117543>.

Merton, Robert King. 1973. *The sociology of science : theoretical and empirical investigations*. University of Chicago Press.  
<http://www.amazon.de/exec/obidos/redirect?tag=citeulike01-21&path=ASIN/0226520919>.

Mulkay, M. J. 1972. *The social process of innovation: a study in the sociology of science*. Studies in sociology. Macmillan.  
<http://www.worldcat.org/isbn/0333134311>.

Rösing, Ina, Derek J. de Solla Price, and International Council for Science Policy Studies. 1977. *Science, technology, and society : a cross-disciplinary perspective*. SAGE Publications. <http://www.worldcat.org/isbn/0803998589>.

### **Systems Thinking, Approaches & Modelling**

Bell, Simon, and Stephen Morse. *Sustainability Indicators: Measuring the Immeasurable*. Revised an. Earthscan Publications Ltd.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/1844072991>.

Capra, Fritjof. 1996. *The web of life : a new scientific understanding of living systems*. Anchor Books. <http://www.worldcat.org/isbn/0385476752>.

Checkland, Peter., and Jim. Scholes. 1999. *Soft systems methodology in action : a 30-year retrospective*. New editio. Wiley.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/0471986054>.

Coyle, R. G. 2004. *Practical strategy : structured tools and techniques*. Financial Times Prentice Hall. <http://www.worldcat.org/isbn/0273682202>.

Fiksel, J. 2006. Sustainability and resilience: toward a systems approach. *Sustainability: Science, Practice, & Policy* 2, no. 2: 14-21.  
<http://ejournal.nbii.org/archives/vol2iss2/0608-028.fiksel.html>.

Gall, John. 1990. *Systemantics : the underground text of systems lore ; how systems really work and how they fail*. The General Systemantics Pr.  
<http://www.amazon.ca/exec/obidos/redirect?tag=citeulike09-20&path=ASIN/0961825103>.

Kasperson, Jeanne X., and Roger E. Kasperson. *Global Environmental Risk (Risk, Society and Policy)*. Earthscan Publications.  
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