

## Resource Database

*System Dynamics Society:  
Environmental Dynamics Special Interest Group*

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# Chapter 1

## Periodic Publications

- Printed volumes marked with an ISSN are classified as “periodicals”; some periodicals have a complementary online version, marked with an “online ISSN”; some periodicals are restricted to online versions.
- [URLs](#) (in blue) are provided only for the publishers, since internal links to the periodicals are frequently altered.
- [Indexing and abstracting services](#) (in gold) are marked at the end of each entry; this listing is dynamic, so it is always subject to alterations.
- Entries are classified in alphabetical order by the name of the periodicals.

### 1.1 Journals

1. *Ambio – A Journal of the Human Environment*  
The Royal Swedish Academy of Sciences  
<http://www.ambio.kva.se>
2. *Annals of Regional Science*  
Springer  
<http://www.springer.com/journal/00168/about>  
ISSN: 0570-1864 (Print), 1432-0592 (Online)
3. *Annual Review of Ecology, Evolution, and Systematics*  
Annual Reviews  
<http://arjournals.annualreviews.org/loi/ecolsys>  
ISSN: 0066-4162 (Print)
4. *Aquatic Sciences – Research Across Boundaries*  
Birkhauser Basel  
<http://www.springer.com/journal/00027/about>  
ISSN: 1015-1621 (Print), 1420-9055 (Online)
5. *Biology and Philosophy*  
Springer Netherlands  
<http://www.springer.com/journal/10539/about>  
ISSN: 0169-3867 (Print), 1572-8404 (Online)

6. *Building and Environment*  
Elsevier  
<http://www.sciencedirect.com/science/journal/03601323> ISSN: 0360-1323 (Print)
7. *Computers and Urban Society*  
continued as *Urban Systems*  
continued as *Computers, Environment and Urban Systems*  
Elsevier  
<http://www.elsevier.com/locate/issn/01989715>  
ISSN: 0198-9715 (Print)
8. *Critical Reviews in Environmental Science and Technology*  
CRC Press  
<http://www.crcjournals.com>  
ISSN: 1064-3389 (Print)  
[Science Citation Index](#)
9. *Ecological Applications*  
Ecological Society of America Publications  
<http://esapubs.org/esapubs/journals/applications.htm>  
ISSN: 1051-0761 (Print)
10. *Ecological Complexity*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 1476-945X (Print)
11. *Ecological Economics*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0921-8009 (Print)  
[Cambridge Scientific Abstracts](#); [Current Contents/ Agriculture, Biology and Environmental Sciences](#); [Environmental Abstracts](#); [GEOBASE](#); [Scientific Citation Index](#)
12. *Ecological Modelling*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0304-3800 (Print)  
[Cambridge Scientific Abstracts](#); [Ecological Abstracts](#); [Ecology Abstracts](#); [Environmental Abstracts](#); [Scientific Citation Index](#)
13. *Ecological Monographs*  
Ecological Society of America Publications  
<http://esapubs.org/esapubs/journals/monographs.htm>  
ISSN: 0012-9615 (Print)
14. *Ecology* Ecological Society of America Publications  
<http://esapubs.org/esapubs/journals/ecology.htm>  
ISSN: 0012-9658 (Print)

15. *Ecology and Society* formerly *Conservation Biology*  
Society for Conservation Biology  
<http://www.ecologyandsociety.org>  
ISSN: 1708-3087 (Online)  
Expanded Science Citation Index
16. *Economic Development and Cultural Change*  
University of Chicago Press  
ISSN: 0013-0079 (Print)  
ISI Basic Social Sciences Index
17. *Economic Systems*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0939-3625 (Print)
18. *Economics of Planning*  
Kluwer  
<http://www.wkap.nl>  
ISSN: 0013-0451 (Print)  
Current Contents/ Social & Behavioral Sciences; Economic Literature Index; Social Sciences Citation Index
19. *Ecosystems* Springer New York  
<http://www.springer.com/journal/10021/about>  
ISSN: 1432-9840 (Print), 1435-0629 (Online)
20. *Environment*  
Heldref Publications  
<http://www.heldref.org>  
ISSN: 0013-9157 (Print)  
Science Citation Index; Current Contents/ Agriculture, Biology and Environmental Science; Applied Science and Technology Index; Institute of Scientific Information; Environmental Periodicals Bibliography
21. *Environment, Development and Sustainability*  
Kluwer  
<http://www.wkap.nl>  
ISSN: 1387-585X (Print)  
ABI Inform; Biological Abstracts; CAB Abstracts; Environmental Abstracts/ Enviroline; Geobase/ Geo Abstracts
22. *Environment and Planning A*  
Pion  
<http://www.pion.co.uk>
23. *Environment and Planning B — Planning and Design*  
Pion  
<http://www.pion.co.uk>
24. *Environment and Planning C — Government and Policy*  
Pion  
<http://www.pion.co.uk>

25. *Environment and Planning D — Society and Space*  
Pion  
<http://www.pion.co.uk>
26. *Environmental Impact Assessment Review*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0195-9255 (Print)  
Current Contents; Environmental Abstracts; Engineering Index; Journal of Planning Literature; Geological Abstracts; Environmental Periodicals Bibliography
27. *Environmental Informatics Archive*  
International Society for Environmental Information Sciences  
<http://www.iseis.org/EIA/>  
ISSN: 1811-0231 (Print)
28. *Environmental Management*  
Springer  
<http://www.springer-ny.com>  
ISSN: 0364-152X (Print)  
Science Citation Index
29. *Environmental Modeling & Assessment*  
Springer Netherlands  
<http://www.springer.com/journal/10666/about>  
ISSN: 1420-2026 (Print), 1573-2967 (Online)  
Current Contents/ Agriculture, Biology, and Environmental Sciences; Science Citation Index Expanded
30. *Environmental Modelling & Software*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 1364-8152 (Print)  
CompuMath Citation Index; Computer Literature Index; Science Citation Index
31. *Environmental Pollution*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0269-7491 (Print)  
Science Citation Index
32. *Environmental Progress*  
American Institute of Chemical Engineers  
<http://www.aiche.org>  
ISSN: 0278-4491 (Print)  
Science Citation Index
33. *Environmental Quality Management*  
Wiley  
<http://www.wiley.com>  
ISSN: 1088-1913 (Print)

34. *Environmental Research*  
Academic Press  
<http://www.academicpress.com>  
ISSN: 0013-9351 (Print)  
Science Citation Index
35. *Environmental Science and Technology*  
American Chemical Society  
<http://www.acs.org>  
ISSN: 0013-936X (Print)  
Science Citation Index
36. *Environmental Sustainability*  
Elsevier  
<http://www.elsevier.com/vj/sustainability>  
Virtual Journal (sourcing method)
37. *Environmental Technology*  
Selper  
<http://www.environtechol.co.uk>  
ISSN: 0959-3330 (Print)  
Science Citation Index
38. *European Environment*  
Wiley  
<http://www.wiley.com>  
ISSN: 0961-0405 (Print), 1099-0976 (Online)  
CAB Abstracts; Cambridge Scientific Abstracts; Environment Abstracts;  
GEOBASE
39. *European Journal of Operational Research*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0377-2217 (Print)
40. *European Planning Studies*  
Carfax  
<http://www.carfax.co.uk>
41. *Evaluation and Program Planning*  
Elsevier  
<http://www.elsevier.com>
42. *Frontiers in Ecology and the Environment*  
Ecological Society of America Publications  
<http://www.frontiersinecology.org/>
43. *Futures*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0016-3287 (Print)  
ISI Basic Social Sciences Index

44. *Global Environmental Change: Human and Policy Dimensions*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0959-3780 (Print)
45. *Group Decision and Negotiation*  
Springer Netherlands  
<http://www.springer.com/journal/10726/about>  
ISSN: 0926-2644 (Print), 1572-9907 (Online)
46. *IEEE Transactions on Systems, Man and Cybernetics*  
IEEE Systems, Man, and Cybernetics Society  
<http://ieeexplore.ieee.org>  
ISSN: 1083-4427 (Print)
47. *Impact Assessment and Project Appraisal*  
Beech Tree Publishing  
<http://www.scipol.demon.co.uk>  
ISSN: 1461-5517 (Print)
48. *International Journal of Urban and Regional Research*  
Blackwell  
ISSN: 0309-1317 (Print)  
[ISI Basic Social Sciences Index](#)
49. *International Planning Review*  
Liverpool University Press
50. *Issues in Ecology*  
Ecological Society of America  
<http://www.esa.org/science/Issues/>
51. *Journal of Computing in Civil Engineering*  
American Society of Civil Engineers  
<http://www.pubs.asce.org/journals/cp.html>  
ISSN: 0887-3801 (Print)
52. *Journal of Development Studies*  
Frank Cass  
ISSN: 0022-0388 (Print)  
[ISI Basic Social Sciences Index](#)
53. *Journal of Environmental Engineering*  
American Society of Civil Engineers  
<http://www.asce.org>  
ISSN: 0733-9372 (Print)  
[Science Citation Index](#)
54. *Journal of Environmental Management*  
Academic Press  
<http://www.academicpress.com>  
ISSN: 0301-4797 (Print)  
[Science Citation Index](#)

55. *Journal of Environmental Planning and Management*  
Carfax  
<http://www.carfax.co.uk>
56. *Journal of Environmental Policy and Planning*  
Routledge  
<http://www.tandf.co.uk/journals/titles/1523908X.asp>  
ISSN: 1523-908X (Print) 1522-7200 (Online)
57. *Journal of Environmental Psychology*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0272-4944 (Print)
58. *Journal of Environmental Quality*  
American Society of Agronomy  
<http://www.agronomy.org>  
ISSN: 0047-2425 (Print)  
[Science Citation Index](#)
59. *Journal of International Development*  
Wiley  
<http://www.wiley.com>  
ISSN: 0954-1748 (Print), 1099-1328 (Online)  
[CAB Abstracts](#); [Environment Abstracts](#); [GEOBASE](#); [International Development Abstracts](#)
60. *Journal of Planning Education and Research*  
Association of Collegiate Schools of Planning  
[Social Sciences Citation Index](#)
61. *Journal of Regional Science*  
Blackwell  
ISSN: 0022-4146 (Print)  
[ISI Basic Social Sciences Index](#)
62. *Journal of the American Planning Association*  
American Society of Civil Engineers (ASCE)  
[ISI Basic Social Sciences Index](#)
63. *Journal of Urban Planning and Development*  
American Society of Civil Engineers (ASCE)  
<http://www.pubs.asce.org/journals/up.html>  
ISSN: 0733-9488 (Print)
64. *Journal of Water Resources Planning and Management*  
American Society of Civil Engineers (ASCE)  
<http://www.pubs.asce.org/journals/wr.html>  
ISSN: 0733-9496 (Print)
65. *Landscape and Urban Planning*  
Elsevier

- <http://www.elsevier.com>  
ISSN: 0169-2046 (Print)
66. *Local Environment*  
Routledge  
<http://www.tandf.co.uk/journals/carfax/13549839.html>  
ISSN: 1354-9839 (Print), 1469-6711 (Online)
67. *Long Range Planning*  
Elsevier  
<http://www.elsevier.com>
68. *Philosophical Transactions of the Royal Society B: Biological Sciences* The  
Royal Society  
<http://www.journals.royalsoc.ac.uk>  
ISSN: 0962-8436 (Print), 1471-2970 (Online)
69. *Planning Theory and Practice*  
Routledge
70. *Planning Perspectives*  
Routledge
71. *Policy Sciences*  
Kluwer  
<http://www.wkap.nl>  
ISSN: 0032-2687 (Print)  
[ISI Basic Social Sciences Index](#)
72. *Progress in Planning*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0305-9006 (Print)  
[Current Contents/ Social and Behavioral Sciences; GEOBASE](#)
73. *Regional Development Studies*  
United Nations Centre for Regional Development
74. *Regional Studies*  
Regional Studies Association  
[Social Sciences Citation Index](#)
75. *Stochastic Environmental Research and Risk Assessment*  
Springer  
<http://www.springer-ny.com>  
ISSN: 1436-3240 (Print)  
[Science Citation Index](#)
76. *Sustainability: Science, Practice and Policy*  
<http://ejournal.nbii.org/>  
ISSN: 1548-7733 (Online)
77. *Sustainable Development*  
John Wiley & Sons, Ltd. and ERP Environment  
<http://www3.interscience.wiley.com>

78. *System Dynamics Review*  
 Wiley  
<http://www.wiley.com>  
 ISSN: 0883-7066 (Print)  
 Current Contents/ Social and Behavioural Sciences; Research Alert; Social Sciences Citation Index; Social SciSearch
79. *The Environmentalist*  
 Kluwer  
<http://www.wkap.nl>  
 ISSN: 0251-1088 (Print)  
 ABI Inform; A-Z Science Policy Review; Current Contents; Environment Abstracts; Science Citation Index
80. *The Science of the Total Environment*  
 Elsevier  
<http://www.elsevier.com>  
 ISSN: 0048-9697 (Print)  
 Science Citation Index
81. *Town and Country Planning*  
 Town and Country Planning Association
82. *Trends in Ecology & Evolution*  
 Elsevier  
<http://www.sciencedirect.com/science/journal/01695347>  
 ISSN: 0169-5347 (Print)
83. *Urban Policy and Research*  
 Carfax  
<http://www.carfax.co.uk>
84. *Urban Ecosystems*  
 pringer Netherlands  
<http://www.springer.com/journal/11252/about>  
 ISSN: 1083-8155 (Print), 1573-1642 (Online)
85. *Urban Studies*  
 Routledge  
<http://www.tandf.co.uk/journals/titles/00420980.asp>  
 ISSN: 0042-0980 (Print), 1360-063X (Online)
86. *Water Resources Management*  
 Springer Netherlands  
<http://www.springer.com/journal/11269/about>  
 ISSN: 0920-4741 (Print), 1573-1650 (Online)
87. *Water Resources Research*  
 AGU  
<http://www.agu.org/journals/wr/>  
 ISSN: 0043-1397 (Online)

88. *World Development*  
Elsevier  
<http://www.elsevier.com>  
ISSN: 0305-750X (Print)  
[ISI Basic Social Sciences Index](#)

## 1.2 Newsletters

– TBA

## 1.3 Proceedings of Periodic Events

– TBA

## Chapter 2

# Occasional Volumes

- Printed volumes marked with an ISBN are classified as “books”; occasional volumes without an ISBN are classified as “reports”, “working papers”, etc.
- **Thematic keywords** (in gold) are marked at the end of each entry.
- Entries are classified by the first author’s last name, in alphabetical order.

### 2.1 Books

1. Barrow, C.J. (1995) *Developing the Environment: Problems and Management*. Longman Scientific and Technical: Harlow, Essex, UK.  
**Sustainable Development**
2. Bryson, J.M (1995) *Strategic Planning for Public and Nonprofit Organizations: a Guide to Strengthening and Sustaining Organizational Achievement*. Jossey-Bass Publishers: San Francisco.  
**Planning**
3. Canham, C., J. Cole and W. Lauenroth (eds) (2003) *Models in Ecosystem Science*. Princeton University Press.  
**System Modeling**
4. Chalmers, A.F. (1999) *What is this Thing called Science?* Open University Press: Buckingham.  
**Epistemology**
5. Costanza, R. and S. Jorgenson (eds) (2002) *Understanding and Solving Environmental Problems in the 21st Century*. Elsevier Science.  
**Epistemology**
6. Costanza, R. and A. Voinov (eds) (2004) *Landscape Simulation Modeling: A Spatially Explicit, Dynamic Approach*. Springer, New York.  
**Systems Modeling**
7. Daly, H.E. and J.B. Cobb Jr. (1990) *For the Common Good*. Gold Print: London.  
**Sustainable Development**

8. Deaton, M.L. and J.J. Winebrake (2000) *Dynamic Modelling of Environmental Systems*. Springer-Verlag: New York.  
systems modeling
9. Elliott, R. (ed). (1995) *Environmental Ethics*. Oxford University Press: Oxford.  
Philosophy
10. Ford, A. (1999) *Modeling the Environment*. Island Press: Washington DC.  
Systems Modeling
11. Goldsmith, E. (1998) *The Way: An Ecological World-View*. (3<sup>rd</sup> ed). University of Georgia Press: Athens, GA.  
Sustainable Development
12. Gunderson, L.H. and C.S. Holling (eds). (2002) *Panarchy: Understanding Transformations in Human and Natural Systems*. Island Press: Washington DC  
Sustainable Development
13. Hallsmith, G. (2003) *The Key to Sustainable Cities: Meeting Human Needs, Transferring Community Systems*. New Society Publishers.  
Sustainable Urban Development
14. Johnston, R.J. (1989) *Environmental Problems: Nature, Economy and State*. Belhaven Press: London.  
Sustainable Development
15. Kuhn, T.S. (1996) *The Structure of Scientific Revolutions*. (3<sup>rd</sup> ed). University of Chicago Press: Chicago.  
Epistemology
16. Lemons, J. (1996) *Scientific Uncertainty and Environmental Problem Solving*. Blackwell Science.  
Epistemology
17. Lofdahl, C.L. (2002) *Environmental Impacts of Globalization and Trade: A Systems Study*. Cambridge, MA: MIT Press.  
Sustainable Development
18. Meadows, D.H., D. Meadows, J. Randers and W. Behrens *The Limits to Growth*. University Books.  
Resource Management, Systems Modeling
19. O'Neill, B.C., F. Landis MacKellar, and W. Lutz (2001) *Population and Climate Change*. Cambridge University Press: Cambridge.  
Sustainable Development
20. Prosser, R. (1995) *Managing Environmental Systems*. Thomas Nelson and Sons: Surrey.  
Environmental Management

21. Simmons, I.G. (1993) *Interpreting Nature: Cultural Constructions of the Environment*. Routledge: London.  
Epistemology
22. Thérivel, R., and M.R. Partidário (1996) *The Practice of Strategic Environmental Assessment*. Earthscan: London.  
Impact Assessment
23. Turner, B.L. II, W.C. Clark, R.W. Kates, J.F. Richards, J.T. Mathews, and W.B. Meyer. (eds). (1990) *Earth as Transformed by Human Action: Global and Regional Changes in the Biosphere over the Past 300 Years*. Cambridge: New York.  
Sustainable Development
24. Wainwright, J. and M. Mulligan (eds) (2004) *Environmental Modelling - Finding Simplicity in Complexity*. John Wiley & Sons.  
Systems Modeling
25. Walters, C.J. (1986) *Adaptive Management of Renewable Resources*. Macmillan.  
Environmental Management
26. World Commission on Environment and Development (1987) *Our Common Future*. Oxford: Oxford University Press.  
Sustainable Development

## 2.2 Special Issues of Journals

1. Sterman, J.D. (ed). (2002) “The Global Citizen: Celebrating the Life of Dana Meadows” *System Dynamics Review* **18**(2)  
[Sustainable Development](#)
2. Ford, A. and R.Y. Cavana (eds). (2004) “Environmental and Resource Systems” *System Dynamics Review* **20**(2)  
[Systems Modeling](#)

## 2.3 Reports

– TBA

## 2.4 Proceedings of Non-Repeated Events

– TBA

## 2.5 Theses and Dissertations

1. Albuquerque, S. (2001) *A System Model for Source Water Assessment in the Las Vegas Valley* University of Nevada, Las Vegas, USA (Masters Thesis)  
Supervisor: Thomas Piechota
2. Allen, W.J. (2001) *Working Together for Environmental Management: The Role of Information Sharing and Collaborative Learning* Massey University, New Zealand (PhD Thesis)  
[http://nrm-changelinks.net/thesis\\_contents.html](http://nrm-changelinks.net/thesis_contents.html)
3. Allison, H.E. (2003) *Linked Social-Ecological Systems: A Case Study of the Resilience of the Western Australian Agricultural Region* Murdoch University, Australia (PhD Thesis)
4. Chaijaroenwatana, B. (2000) *Ecological Planning for Sustainable Resource Management: A Case Study of Nakhon Si Thammarat, Southern Thailand* Washington State University, USA (PhD Thesis)  
Supervisor: William G. Hendrix, George W. Hinman, Andy Ford
5. Cloud, S.W. (2001) *Testing the Potential of System Dynamics Models for Improving Public Participation in Resource Management* University of Nevada, Las Vegas, USA (Masters Thesis)  
Supervisor: Krys Stave
6. Den Exter, K. (2004) *Integrating Environmental Science and Management: The Role of System Dynamics Modelling* CRC Sustainable Tourism School of Environmental Science and Management, Southern Cross University, Queensland, Australia (PhD Thesis)  
Supervisor: Alison Specht  
Effectiveness of system dynamics modelling for solving small scale environmental problems, action research, case studies.

7. Diaz-Ibarra, M.A. (2004) *A System Dynamics Model of El-Paso County Water Improvement District No. 1* Environmental Science and Engineering, The University of Texas, El Paso, USA (PhD Thesis)
8. Fiddaman, T. (1997) *Feedback Complexity in Integrated Climate-Economy Models* Alfred P. Sloan School of Management, Massachusetts Institute of Technology, USA (PHD Thesis)  
Supervisors: John D. Sterman, Nazli Choucri and Edward A. Parson
9. Hand, R.T. (2003) *System Structure, Natural History, Dynamic Modeling and Adaptive Management of the Mekong Watershed's Tongle Sap-Great Lake, Cambodia* University of Maryland, USA (PHD Thesis)  
Supervisors: Robert Costanza, Michael Kearney, David Lineback, Steven Seagle, Lois T. Vietry, Alexey Voinov
10. Forrester, Nathan B. (1982) *A Dynamic Synthesis of Basic Macroeconomic Theory: Implications for Stabilization Policy Analysis*. Cambridge, MA: Massachusetts Institute of Technology (PhD Thesis)  
Supervisor: Robert. M. Solow  
Examiners: Allen Sinai and Peter M. Senge  
A dynamic simulation model of the US economy, focusing on cyclical behavior; characterizing and analyzing oscillation; isolating dominant feedback structure; stabilization policy analysis in a system prone to under-shoot and overshoot; modeling methodology.
11. Langsdale, Stacy M. (2001) *A Systems Approach to Modeling the Walker River Basin in Nevada*. Reno: University of Nevada (MS Thesis)
12. Perdicoulis, Anastásios (1996) *Appraisal of Local Authority Development Plans*. Salford, UK: University of Salford (PhD Thesis)  
Supervisor: S.A. Power  
Examiners: P. Wathern and R. Thérivel  
*Ex-ante*, non-monetary assessment of local government development strategies; system defined to include human activities and natural environment; use of indicators in a non-static manner by means of System Dynamics modelling; case study: the municipality of Syros, Greece.
13. Peterson, G.D. (1999) *Contagious disturbance and ecological resilience* University of Florida (PhD Thesis)
14. Sterling, S. (2003) *Whole Systems Thinking as a Basis for Paradigm Change in Education: Explorations in the Context of Sustainability* University of Bath (PhD Thesis)
15. Ulli-Beer, S. (2004) *Citizens' Choice and Public Policy: A System Dynamics Model for Recycling Management at the Local Level* Hochschule für Wirtschafts-, Rechts- und Sozialwissenschaften, Universität St. Gallen (PhD Thesis)  
Supervisors: Markus Schwaninger and Ruth Kaufman-Hayoz  
A system dynamics model for local recycling schemes, Switzerland.

# Chapter 3

## Items

This chapter highlights individual items rather than their “packages”, that may have been covered in the previous chapters — for instance, articles instead of journals, and chapters instead of books. New items, such as R&D projects are also featured in this chapter.

### 3.1 Articles in Journals

1. Dudley, R.G. (forthcoming) A System Dynamics examination of the willingness of villagers to engage in illegal logging. *Journal of Sustainable Forestry*
2. Jones, A., D. Seville and D. Meadows (2002) Resource sustainability in commodity systems: the sawmill industry in the Northern Forest. *System Dynamics Review* **18**(2): 171-204
3. Sterman, J.D. and L. Booth Sweeney (2002) Cloudy skies: assessing public understanding of global warming. *System Dynamics Review* **18**(2): 207-240

### 3.2 Articles in Conference Proceedings

1. Dudley, R.G. (2002) An application of System Dynamics modeling to the question of a log export ban for Indonesia with comments on illegal logging. Proceedings of the 20<sup>th</sup> International System Dynamics Conference, Palermo, Italy.
2. Dudley, R.G. (2000) The rotten mango: the effect of corruption on international development projects - Part 1: building a System Dynamics basis for examining corruption. Proceedings of the 18<sup>th</sup> International System Dynamics Conference, Bergen, Norway.
3. Dudley, R.G. and C.S. Soderquist (1999) A simple example of how System Dynamics modeling can clarify, and improve discussion and modification, of model structure. Proceedings of the 129<sup>th</sup> annual meeting of the American Fisheries Society, Charlotte, NC, USA.

4. Langsdale, S. and J. Tracy (2001) A Whole Model Environment of the Walker River Basin, Nevada. Proceedings of the AWRA Annual International Summer Specialty Conference, Snowbird, UT, USA.

### 3.3 Working Papers

1. Moxnes, E. (2003) Policy Sensitivity Analysis: simple versus complex fishery models. *WPSD 3/03*, Information Science, University of Bergen.  
<http://www.ifi.uib.no/sd/workingpapers/WPSD3.03PolicyS.pdf>
2. Castillo, D. and A. Saysel (2003) Dynamic Simulation Model of Common Pool Resource Cooperation Experiments. *WPSD 5/03*, Information Science, University of Bergen.  
<http://www.ifi.uib.no/sd/workingpapers/WPSD5.03RenewExp.pdf>

### 3.4 Chapters in Books

1. Dudley, R.G. (2001) Dynamics of illegal logging in Indonesia. In: C.J.P. Colfer and I.A.P. Resosudarmo (eds) *Which way forward? Forest, People and Policymaking in Indonesia* RFF, Washington DC.
2. Perdicoulis, A. (2001) Forecasting with System Dynamics for Strategic Environmental Assessment purposes. In: R. Thérivel (ed) *Distance Learning Course in Strategic Environmental Assessment* Oxford Brookes University: Oxford.

### 3.5 R&D Projects

1. *Building an Analytical Model of Sustainability for Rural Schools*  
<http://www.ruralschools.net/sitepages/pid512.php>  
Dr Frank Betts, CEO, Rural Schools Network

### 3.6 Models

– TBA

## 3.7 Software

1. *Anylogic*  
XJ Technologies  
<http://www.xjtek.com>
2. *Axon Idea Processor*  
Axon Research  
<http://web.singnet.com.sg/~axon2000>
3. *Dynasys*  
Hupfeld Software  
<http://www.hupfeld-software.de>
4. *GoldSim*  
GoldSim Technology Group LLC  
<http://www.goldsim.com>
5. *Interact*  
Interact Project  
<http://home.utad.pt/~tasso/interact>
6. *MapSys*  
Simtegra  
<http://www.simtegra.com>
7. *MindMapper*  
SimTech, Inc.  
<http://www.mindmapper.com>
8. *MyStrategy*  
Strategy Dynamics, Ltd.  
<http://www.strategydynamics.com/mystrategy>
9. *Powersim*  
Powersim Software AS  
<http://www.powersim.com>
10. *SimApp*  
Buesser Engineering  
<http://www.simapp.com>
11. *SIMILE*  
Simulistics, Ltd.  
<http://simulistics.com>
12. *STELLA/ ithink*  
isee systems  
<http://www.iseesystems.com>
13. *Vensim*  
Ventana Systems, Inc.  
<http://www.vensim.com>

# Chapter 4

## Services

### 4.1 Internet Search Facilities

1. *Google*  
<http://www.google.com>  
General-purpose search engine
2. *Metacrawler*  
<http://www.metacrawler.com>  
Meta-search engine
3. *Books in Print* (Bowker)  
<http://www.booksinprint.com>  
Print books, audio, video
4. *e-Books in Print* (Bowker)  
<http://www.e-booksinprint.com>  
e-Books
5. *EBSCO Online*  
<http://www.ebsco.com/online>  
Electronic journal service
6. *FindArticles*  
<http://www.findarticles.com>  
Articles in magazines and journals
7. *Infotrieve*  
<http://www4.infotrieve.com>  
Article search and delivery; includes The Scientific World search facility
8. *Ingenta*  
<http://www.ingenta.com>  
Online publication collection; includes the CatchWord search facility
9. *ISI Document Solution*  
<http://ids.isinet.com>  
Search and purchase service

10. *Periodicals Directory* (Ulrich)  
<http://www.ulrichsweb.com>  
 Periodicals
11. *ScienceDirect*  
<http://www.sciencedirect.com>  
 Periodicals
12. *SearchEdu*  
<http://www.searchedu.com>  
 Scientific books, websites, reference material
13. *SearcheBooks.com*  
<http://www.searchebooks.com>  
 e-Books; similar to SearchEdu
14. *US National Academies Press*  
<http://www.nap.edu>  
 Scientific publications

## 4.2 Online Libraries and Other Collections

1. *Donella Meadows Archive*  
[http://www.sustainer.org/dhm\\_archive/search.php](http://www.sustainer.org/dhm_archive/search.php)  
 Sustainable Development
2. *Encyclopedia of Sustainable Development*  
<http://www.doc.mmu.ac.uk/aric/esd>  
 Sustainable Development
3. *Envirofacts* (US EPA)  
<http://www.epa.gov/enviro>  
 Environment; general
4. *Modelling the Environment*  
<http://www.wsu.edu/~forda/AAOpen.html>  
 Companion website to A. Ford's homonymous book
5. *British Library public catalog*  
<http://blpc.bl.uk>  
 The UK reference library
6. *Environmental Dynamics Repository of Working Papers*  
<http://home.utad.pt/ed/rwp.pdf>  
 Environmental Dynamics/ Sustainable Development
7. *Eur-Lex* (EU)  
<http://europa.eu.int/eur-lex/en>  
 The European law database (EU)
8. *Library of Congress* (LoC)  
<http://www.loc.gov>  
 The US reference library

9. *LoC online catalog*  
<http://catalog.loc.gov>  
 Search facility for the LoC
10. *MIT Library: Theses*  
<http://libraries.mit.edu/docs/theses.html>  
 Thesis repository
11. *System Dynamics Model Library*  
<http://www.sd3.info/models>  
 SD Model Library
12. *University of Pennsylvania Library*  
<http://onlinebooks.library.upenn.edu>  
 Book search with 'read online' option
13. *US National Library for the Environment*  
<http://www.cnie.org/nle>  
 Database on environmental issues
14. *WWW Virtual Library – General*  
<http://vlib.org>  
 Master index of virtual libraries
15. *WWW Virtual Library – Sustainable Development*  
<http://www.ulb.ac.be/ceese/meta/sustvl.html>  
 Sustainable Development virtual library
16. *WWW Virtual Library – Environment*  
<http://earthsystems.org/Environment.shtml>  
 Environment virtual library
17. *WWW Virtual Library – Law*  
<http://www.law.indiana.edu/v-lib>  
 Law virtual library

### 4.3 Online Directories and News Services

1. *Ecocosm Dynamics Links Directory*  
<http://www.ecosmodynamics.org/LinksDB/EDL-Links-Directory.html>  
 Directory
2. *ENDS Environment Daily*  
<http://www.ends.co.uk>  
 News service
3. *Environment News Service (ENS)*  
<http://ens.lycos.com>  
 News service
4. *Environmental News Network (ENN)*  
<http://www.enn.com>  
 News service

5. Planet Ark  
<http://www.planetark.org>  
News service
6. Amazing Environmental Organization WebDirectory  
<http://www.webdirectory.com>
7. EnviroInfo  
<http://www.deb.uminho.pt/Fontes/enviroinfo>
8. Environmental Expert  
<http://www.environmental-expert.com>
9. EnviroLink Network  
<http://envirolink.netforchange.com>
10. Environment Directory  
<http://www.envirodirectory.com>
11. Environment Industry Yearbook Online  
<http://www.eiy.co.uk>
12. Environmental Data Interactive Exchange (EDIE)  
<http://www.edie.net>
13. Global Network of Environment and Technology (GNET)  
<http://www.gnet.org>
14. Modeling and Simulation Resources  
<http://home.ubalt.edu/ntsbarsh/ref/RefSim.htm>
15. NICE-Europe  
<http://www.dmu.dk/LibraryNetwork>  
European information centers on the Environment
16. Sustainability SubWeb Directory  
<http://www.pelican-consulting.com/subweb2.html>
17. System Dynamics Mega Link List  
<http://www.uni-klu.ac.at/~gossimit/linklist.php>

#### 4.4 Indexing and Abstracting Services

1. Cambridge Scientific Abstracts  
<http://www.csa.com>  
Abstracting service
2. Current Contents Connect (ISI)  
<http://ccc.isiglobalnet.com>  
Includes collections such as Life Sciences, Agriculture, Biology & Environmental Sciences, Physical, Chemical & Earth Sciences, Social & Behavioral Sciences, and Arts & Humanities

3. Current Contents Direct (ISI)  
<http://connect.isihost.com>  
Indexing service
4. Current Web Contents (ISI)  
<http://www.isinet.com>  
Web indexing service
5. Geobase (Elsevier)  
<http://www.elsevier.com/locate/GEOBASE>  
Indexing service
6. Journal Citation Reports (ISI)  
<http://jrcweb.com>  
Includes JRC Web Science and JRC Web Social Sciences
7. Proceedings (ISI)  
<http://wosproceedings.com>  
Includes collections such as Science & Technology, and Social Sciences & Humanities
8. Sustainability Web Ring (SDCN)  
<http://www.webring.org/cgi-bin/webring?home;ring=sustainability>  
SD-specific indexing service
9. Web of Science (ISI)  
<http://wos.isiglobalnet.com>  
Includes the Science Citation Index (SCI), the Social Sciences Citation Index (SSCI), and the Arts & Humanities Citation Index

## 4.5 Patent Offices

1. Delphion Intellectual Property Network  
<http://www.delphion.com>
2. Derwent Innovations Index (ISI)  
<http://www.isinet.com>
3. European Patent Office (EPO)  
<http://www.european-patent-office.org>
4. EPO Search Facility  
<http://www.epoline.org>  
Search facility
5. US Patent and Trademark Office (PTO)  
<http://www.uspto.gov>
6. US PTO Search Facility  
<http://patents.cos.com>

## 4.6 Organizations

1. *Ecocosm Dynamics*  
<http://www.ecocosmdynamics.org>  
Research Group
2. *Environmental Dynamics*  
<http://home.utad.pt/ed>  
Special Interest Group of the System Dynamics Society
3. *ifPeople*  
<http://www.ifpeople.net>  
Consultancy
4. *Natural Step*  
<http://www.naturalstep.org>  
Institute
5. *Rocky Mountain Institute*  
<http://www.rmi.org>  
Institute
6. *UK Government's Environmental Management System*  
<http://www.ems-government.org.uk/envoy>  
Government

## 4.7 Conferences and Seminars

1. *System Dynamics Society*  
International System Dynamics Conference  
Annual event, usually in the last week of July  
<http://www.systemdynamics.org>
2. *Systems Thinking and Complexity Science: ANZSYS Conference, Managing the Complex*  
ISCE Events  
Annual event, usually November, Australia or New Zealand  
<http://isce.edu/>
3. *International Conference on Environmental Informatics*  
International Society for Environmental Information Sciences  
Annual event  
<http://www.iseis.org/>
4. *International Sustainable Development Research Conference*  
International Society for Environmental Information Sciences  
Annual event  
<http://www.iseis.org/>

## 4.8 Academic Degrees and Courses

1. *Environmental Dynamics*  
PhD Program, University of Arkansas, USA  
Director: S. Boss
2. *Environmental Dynamics*  
Advanced Study Program, Worcester Polytechnic (formerly at Massachusetts  
Institute of Technology), USA  
Director: Andy Ford
3. *System Dynamics*  
Masters and PhD Program in System Dynamics  
Department of Geography, University of Bergen, Norway  
Director: Pal I. Davidson  
<http://www.ifi.uib.no/sd/>

## Chapter 5

# Disclaimer

This document is prepared and made publicly available with the intent to facilitate R&D in the field of Environmental Dynamics/ Sustainable Development. It serves no advertisement or promotional purposes.