

Curriculum Vitae

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Personalia

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Education

1992: M.A., Econometrics and Operations Research, March,
Erasmus University, Rotterdam
1996: PhD., Mathematics, 29 November, Maastricht University (Supervisors: J.
Rotmans and O.J. Vrieze)

Positions

2008 - Affiliated Faculty, School of Global Studies, Arizona State University
2008 - Affiliated Faculty, School of Sustainability, Arizona State University
2008 - Core Faculty, Center for Social Dynamics and Complexity, Arizona State
University
2008 - Core Faculty, Mathematical and Computational Modeling Sciences
Center, Arizona State University
2007(8) - Associate Director, Center for the Study of Institutional Diversity,
Arizona State University
2005(8)- Assistant Professor, School of Human Evolution and Social Change,
College of Liberal Arts and Sciences, Arizona State University
2005(8)-2008(5) Assistant Professor, Department of Computer Science and
Engineering, School of Computing and Informatics, Ira Fulton School of
Engineering, Arizona State University
2004(8)- Affiliated Faculty, Workshop in Political Theory and Policy Analysis,
Indiana University
2004(8)-2005(7) Visiting Assistant Professor, Cognitive Science Program,
Indiana University
2004(8)-2005(7) Visiting Assistant Professor, School of Informatics, Indiana
University
2004(8)-2005(7) Research Scientist, Center for the study of Institutions,
Population and Environmental Change, Indiana University
2003(8)-2003(12) Adjunct Faculty, School of Public and Environmental Affairs,
Indiana University
2002(2)-2004(7) Associate Research Scientist, Center for the study of
Institutions, Population and Environmental Change, Indiana University
1998(10)-2002(1) Postdoctoral Research fellow, Department of Spatial
Economics, Vrije Universiteit, Amsterdam
1992(4)-1999(10) Researcher at RIVM (1992-1996 CM; 1996-1999 Bureau of
Environmental Assessments)

1992(4)-1996(3) PhD student (AIO – Research and Teaching Assistant), Department of Mathematics, Maastricht University
1991(6)-1992(1) Internship, Centre of Mathematics (CM), National Institute for Public Health and the Environment (RIVM)

Research and teaching interests

My research focuses on the interaction of behavioral, institutional and ecological processes. I am interested how people, their institutional rules and the environment they live in fit together in the past, present and the future, from local scales to the global scale. I develop formal (computational) models of social and social-ecological systems, and perform controlled experiments in the lab and field, and study case study material to test the stylized models. My teaching focuses on social simulation, agent-based modeling and institutional analysis.

Courses taught

Arizona State University

2009

ASM591 “Readings in Complexity” (Fall)

AML100 “Introduction to Applied Mathematics in the Life and Social Sciences” (Fall)

ASB430 “Social Simulation” (Spring)

ASM591 “Advances in Modeling for Life and Social Sciences” (Spring)

2008

ASM591/MAT 598 “Agent-based Modeling” (Fall)

ASM591 “Advances in Modeling for Social and Life Sciences” (Spring)

ASB394 “Rules, Games and Society” (Spring)

2007

ASB591/CSE591/MAT598 “Agent-based modeling” (Fall)

ASB394 “Rules, Games and Common Resources” (Fall)

ASB326 “Human Impacts on Ancient Environments” (Spring)

ASB591/CSE591/MAT598 “Computer Simulation in the Social Sciences” (Spring)

2006

ASB494/CSE494 “Social Simulation” (Fall)

ASB591/BIO 591 “Institutional Analysis” (Fall)

ASB591/CSE591 “Computer Simulation in the Social Sciences” (Spring)

Indiana University

2005

I400/I590 “Topics in Informatics: Games and Gossip” (Spring)

2003

V685 “Integrated Modelling of Humans and the Environment” (Fall)

Vrije Universiteit, Amsterdam

2001

Advanced undergraduate course “Evolutionary economics and management” (Spring)

Post-doctoral researcher mentoring

Robert Tobias, social psychologist, March 2008-March 2009, currently: tenured senior research scientist at EAWAG, Switzerland
Michael Schoon, public policy, September 2008-

Graduate Student Mentoring

PhD students (chair/co-chair)

Michael Merrill, Archaeology, Arizona State University (PhD, co-Chair, in progress)
Nicholas Radtke, Computer Science and Engineering, Arizona State University (PhD, co-Chair, in progress)
Alessio Delre, Marketing, Groningen University, the Netherlands (PhD, co-Chair, 2007), currently: Assistant Professor, Department of Marketing, Boconni University, Milan, Italy
Wander Jager, Social Psychology, University of Groningen, the Netherlands (PhD, co-Chair, 2000), currently: Associate Professor, Department of Marketing, University of Groningen, the Netherlands

PhD students (committee member)

Narine Udumyan, Economics, University of Marseille, France (PhD, Member, in progress)
Andrew Waterman, ECOSUR, Mexico (PhD, Member, in progress)
Christina Brelsford, School of Sustainability (PhD, Member, in progress)
Amy Volpe, Mathematics Education, Arizona State University (PhD, Member, in progress)
Sean Bergin, Archaeology, Arizona State University (PhD, Member, in progress)
Daniel Castillo Brieva, Environmental Management, University Paris X-Nanterre (PhD, Member, in progress)
Yu-Ru Lin, Arts, Media and Engineering, Arizona State University (PhD, Member, in progress)
Joshua Watts, Archaeology, Arizona State University (PhD, Member, in progress)
Gary Mayer, Computer Science and Engineering, Arizona State University (PhD, Member, 2009)
Michael Schoon, Joint program in Public Affairs and Public Policy, Indiana University (PhD, Member, 2008)
Emily Nagoski, Applied Health Science, Indiana University (PhD, Member, 2006)
Tei Laine, Computer Science and Cognitive Science, Indiana University (PhD, Member, 2006)
Orjan Bodin, Systems Ecology, Stockholm University, Sweden, (PhD, Member, 2006)

Master students (chair / co-chair)

Nathan Rollins, Anthropology, Arizona State University (MA/PhD, chair, in progress)
Alhaji Cherif, Applied Mathematics for the Life and Social Sciences (MA/PhD, chair, in progress)
Vijay Prabhakar, Computer Science and Engineering, Arizona State University (MA, Chair, 2009), currently: Pharmanet Development Group, NJ
Sanket Joshi, Computer Science and Engineering, Arizona State University (MA, co-Chair, 2008), currently: Microsoft

Deepali Bhagvat, Computer Science and Engineering, Arizona State University (MA, co-Chair, 2008), currently: Microsoft
Jasper Noordam, Artificial Intelligence, University of Amsterdam, the Netherlands (MA, Chair, 1999), currently: Friesland Bank, the Netherlands

Master students (committee member)

Seema Talele, Computer Studies, (MA, Member, in progress)
Kehinde Salau, Applied Mathematics for the Life and Social Sciences (MA, Member, 2009)
Miran Bozicevic, Anthropology, Arizona State University (MA, Member, 2008)
Anco van Duivenbooden, Mathematics, Utrecht University, the Netherlands (MA, Member, 1994)

Undergraduate student mentoring

Kalin Jonas, Computer Science and Engineering, REU, since Spring 2009
David Lees, Economics, REU, Spring 2008-Spring 2009 (chair honors thesis)
Clint Bushman, Anthropology, REU, Fall 2006 – Summer 2008
Daniel Merritt, Computer Science Engineering, hourly student, Fall 2006
Christine Hendricks, Anthropology and Computer Systems, REU, Summer 2006
Andrew Hodgetts, Business student, Indiana University, Work student program, AY 2002/2003 and AY 2003/2004
Second reader of 4 honors theses ASU

Additional teaching activities

Teaching assistant for courses “Man and the Environment”, Undergraduate Students Environment and Health program, Maastricht University (1993-1995)

Gave two classes on complexity and modeling using Netlogo at Kyrene middle School in Tempe, Arizona (May, 2009).

Training courses

- Summer Institute on Agent-based modelling and natural resource governance, Indiana University, Bloomington. Organized and co-taught with Francois Bousquet (May 16-June 1, 2005)
- PhD Course “Agent-based modelling and Institutional Analysis and Development for Governing Ecosystems”, Royal Swedish Academy of Sciences, Stockholm, Sweden (April 7-11, 2003)
- International training course on Multi-agent Systems and Ecological Economics, Khon Kaen University (Thailand) (April 1-5, 2002)

Development of class material

- Web-based learning tool E-fishery for the Seminar in Institutional Analysis and Development: Micro (Fall semesters of 2002 and 2003, with Andrew Hodgetts)

Graduate Faculty in the following programs:

- Anthropology
- Applied Mathematics for the Life and Social Sciences
- Computer Science
- Environmental Social Science
- Human and Social Dimensions of Science and Technology

- Mathematics
- Social Science & Health
- Sustainability

Publications (chronological order for each category)(* denotes graduate student collaborator, + indicates undergraduate collaborator)

Books

5. Poteete, A.M., M.A. **Janssen** and E. Ostrom, *Working Together: Collective Action, the Commons and Multiple Methods in Practice*, **Princeton University Press**, in press
4. Bergh, J.C.J.M. van den and M.A. **Janssen** (eds.) (2004) *Economics of industrial ecology: materials use and spatial scales*, **MIT Press**, Cambridge.
3. **Janssen**, M.A. (ed.) (2002) *Complexity and ecosystem management: the theory and practice of multi-agent systems*, **Edward Elgar Publishers**, Cheltenham UK/ Northampton, MA, USA.
2. **Janssen**, M.A. (1998) *Modelling global change: the art of integrated assessment modelling*, **Edward Elgar Publishers**, Cheltenham UK/ Northampton, MA, USA.
1. **Janssen**, M.A. (1996) *Meeting targets: tools to support integrated assessment modelling of global change*, ISBN 90-9009908-5, PhD Dissertation, Maastricht University

Edited special issues

5. Ostrom, E., M.A. **Janssen** and J.M. Anderies (2007) Going beyond Panaceas, *Proceedings of the National Academy of Sciences USA* 104: 15176-15217
4. **Janssen**, M.A. and E. Ostrom (2006) Empirically based, Agent-based modeling of Social-Ecological Systems, *Ecology and Society*, <http://www.ecologyandsociety.org/viewissue.php?sf=25>
3. **Janssen**, M.A. (2006) Historical Institutional Analysis of Social-Ecological Systems, *Journal of Institutional Economics*, 2(2)
2. **Janssen**, M.A. and E. Ostrom (2006) Resilience, Vulnerability and Adaptation of Human dimensions of Global Environmental Change, *Global Environmental Change*, 16(3)
1. **Janssen**, M.A. and W. Jager (2000). The human actor in ecological-economic models, *Ecological Economics*, 35(3).

Refereed Journal Articles

Articles in preparation

88. **Janssen**, M.A., J.M. Anderies and J.C. Cardenas, Asymmetric commons games in the laboratory and the field, to be submitted to December to *Ecological Economics*
87. **Janssen**, M.A., J.M. Anderies and S. Joshi*, Coordination and Cooperation in Asymmetric Commons Dilemmas, to be submitted in August to *Experimental Economics*
86. **Janssen**, M.A. Evolution of rules in shedding type of card games, to be submitted in September to *Advances in Complex Systems*
85. **Janssen**, M.A., R. Holahan*, A. Lee and E. Ostrom, Sanctioning Institutions are not a Panacea, to be submitted in September to *Science*
84. **Janssen**, M.A. and N. Rollins*, Evolution of Cooperation in Asymmetric Commons Dilemmas, to be submitted in October to *Philosophical Transactions of the Royal Society*

83. **Janssen**, M.A., F. Bousquet, J.C. Cardenas, D. Castillo*, and D. Worrapimphong*, Efficiency and Equity in Asymmetric Commons Dilemmas to be submitted in August to *Proceedings of the National Academy of Sciences USA*

Articles in refereed journals (in review)

82. Baggio*, J., K. Salau*, O. Bodin, M.A. **Janssen**, and M.L. Schoon, Landscape connectivity, node centrality and predator-prey population dynamics, submitted to *Landscape Ecology*
81. **Janssen**, M.A. Understanding Artificial Anasazi, submitted to *Journal of Artificial Societies and Social Simulation*
80. Jager, W. and M.A. **Janssen**, Self-amplifying effects of social influence: simulating normative and informative influences on market shares, submitted to *Journal of Marketing*
79. Rodriguez, A.A. Cifdaloz*, O., J.M. Anderies, M.A. **Janssen**, J. Dickeson*, Robustness-Vulnerability Tradeoffs in Renewable Resource Management, submitted to *Environmental Modeling and Assessment*
78. Sasaki, T.*, D. Vaught and M.A. **Janssen**, Do Informative Choices Actually Inform Us?: Relationship between Quantity of Information Offered and Diversity of Consumer Decision, submitted to *Journal of Economic Psychology*
77. **Janssen**, M.A. Including Ecological Dynamics in Common Pool Resources Experiments, submitted to *Ecology and Society*
76. **Janssen**, M.A. Population aggregation in the ancient arid environments, submitted to *Ecology and Society*

Articles in refereed journals (in press)

75. **Janssen**, M.A., N.P. Radtke*, A. Lee, Pattern-oriented modeling of commons dilemma experiments, *Adaptive Behaviour*, in press
74. Delre*, S.A, W. Jager, T.H.A. Bijnholt and M.A. **Janssen**, Will it spread or not? The effects of social influences and network topology on innovation diffusion, *Journal of Product and Innovation Management*, in press
73. Radtke*, N.P. and M.A. **Janssen**, Competition and Production of digital public goods, *International Journal of Intelligent Control and Systems*, in press

Articles in refereed journals

72. McAllister, R.R.J., L.R.. Izquierdo, M.A. **Janssen**, D.M. Stafford Smith (2009), Research impact within the international arid literature: an Australian perspective based on network-theory, *Journal of Arid Environment*, 73: 862-871
71. Linksvayer*, T.A. and M.A. **Janssen** (2009), Traits underlying the capacity of ants to adapt to disturbance and stress regimes, *Systems Research and Behavioral Science* 26(3): 315-329
70. Radtke*, N.P., M.A. **Janssen** and J.S. Collofello (2009), What Makes Free/Libre Open Source Software (FLOSS) Projects Successful? An Agent-based Model of FLOSS Projects, *International Journal of Open Source Software and Processes* 1(2): 1-13
69. Lansing, J.S., M.P. Cox, S.S. Downey*, M.A. **Janssen** and J.W. Schoenfelder (2009) A robust budding model of Balinese water temple networks, *World Archaeology* 41(1): 112-133
68. **Janssen**, M.A., and E. Ostrom (2008), TURFs in the lab: Institutional Innovation in dynamic interactive spatial commons, *Rationality and Society*, 20: 371-397

67. **Janssen**, M.A. and C. Bushman+ (2008), Evolution of cooperation and altruistic punishment when retaliation is possible, *Journal of Theoretical Biology* 254:541-545
66. **Janssen**, M.A., R.L. Goldstone, F. Menczer and E. Ostrom (2008), Effect of rule choice in dynamic interactive spatial commons, *International Journal of the Commons*, 2(2): 288-312
65. **Janssen**, M.A., C.M. Barton, L.N. Alessa, S. Bergin*, and A. Lee (2008), Towards a Community Framework for Agent-based Modeling, *Journal of Artificial Societies and Social Simulation*, 11: 2(6)
<<http://jasss.soc.surrey.ac.uk/11/2/6.html>>
64. **Janssen**, M.A. (2008), Evolution of cooperation in a one-shot prisoner's dilemma based on recognition of trustworthy and untrustworthy agents, *Journal of Economic Behavior and Organization*, 65: 458-471
63. **Janssen**, M.A. and J.M. Anderies (2007), Robustness-tradeoffs for social-ecological systems, *International Journal of the Commons* 1(1): 77-99
62. Anderies, J. M., A.A. Rodriguez, M.A. **Janssen**, and O. Cifadloz* (2007), Panaceas, uncertainty, and the robust control framework in sustainability science. *Proceedings of the National Academy of Sciences USA* 104:15194–15199.
61. Ostrom, E, M.A. **Janssen**, and J.M. Anderies (2007), Going beyond panaceas. *Proceedings of the National Academy of Sciences USA* 104:15176–15178.
60. **Janssen**, M. A. (2007). An Update on the Scholarly Networks on Resilience, Vulnerability, and Adaptation within the Human Dimensions of Global Environmental Change. *Ecology and Society* 12 (2): 9. [online] URL: <http://www.ecologyandsociety.org/vol12/iss2/art9/>
59. Satake, A., M.A. **Janssen**, S.A. Levin, and Y. Iwasa (2007), Synchronized deforestation induced by social learning under uncertainty of forest-use value, *Ecological Economics*, 63: 452-462
58. Delre*, S.A., W. Jager, M.A. **Janssen**, T.H.A. Bijmolt (2007), Targeting and timing promotional activities: An agent-based model for the takeoff of new products, *Journal of Business Research*, 60: 826-835
57. Robinson*, D.T., D.G. Brown, D.C. Parker, P. Schreinemachers*, M.A. **Janssen**, M. Huigen*, H. Wittmer, N. Gotts, P. Promburom*, E. Irwin, T. Berger, F. Gatzweiler, C. Barnaud* (2007), Comparison of empirical methods for building agent-based models in land use science, *Journal of Land Use Science*, 2(1): 31-55.
56. Delre*, S.A, W. Jager and M.A. **Janssen** (2007), Diffusion dynamics in small-world networks with heterogeneous consumers. *Computational & Mathematical Organization Theory* 13(2): 185-202
55. **Janssen**, M.A., J.M. Anderies and E. Ostrom (2007) Robustness of Social-Ecological Systems to Spatial and Temporal Variability, *Society and Natural Resources* 20(4): 307-322
54. **Janssen**, M.A. (2007) Coordination in irrigation systems: An analysis of the Lansing-Kremer model of Bali, *Agricultural Systems* 93: 170-190
53. **Janssen**, M.A. and E. Ostrom (2006), Empirically based agent-based models, *Ecology and Society* 11(2): 37. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art37/>
52. **Janssen**, M.A and T.K. Ahn (2006), Learning, Signaling and Social Preferences in Public Good Games, *Ecology and Society* 11(2): 21. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art21/>

51. **Janssen**, M.A., H. Goosen*, and N. Omtzigt (2006), A simple mediation and negotiation support tool for water management in the Netherlands, *Landscape and Urban Planning* 78(1-2): 71-84
50. **Janssen**, M.A. and R.L. Goldstone (2006), Dynamic-persistence of cooperation in public good games when group size is dynamic, *Journal of Theoretical Biology* 243(1): 134-142
49. Young, O.R. F. Berkhout, G. Gallopin, M.A. **Janssen**, E. Ostrom and S. van der Leeuw (2006), The Globalization of Socio-Ecological Systems: An Agenda for Scientific Research, *Global Environmental Change* 16(3): 304-316.
48. **Janssen**, M.A., M.L. Schoon*, W. Ke*, K. Börner (2006), Scholarly networks on resilience, vulnerability and adaptation within the human dimensions of global environmental change, *Global Environmental Change* 16(3): 240-252
47. York*, A.M., M.A. **Janssen** and L.A. Carlson (2006), Diversity of incentives for private forest landowners: an assessment of programs in Indiana, USA, *Land Use Policy* 23(4): 542-550
46. McAllister R.R.J., I.J. Gordon, M.A. **Janssen** and N. Abel (2006), Pastoralists' Responses to Variation of Rangeland Resources in time and space, *Ecological Applications* 16(2): 572-583.
45. Hoekstra*, R. and M.A. **Janssen** (2006), Environmental responsibility and policy in a two country dynamic input-output model, *Economic Systems Research* 18(1): 61-84.
44. **Janssen**, M.A., Ö. Bodin*, J. M. Anderies, T. Elmqvist, H. Ernstson*, R. R. J. McAllister, P. Olsson, and P. Ryan*. 2006. Toward a Network Perspective of the Study of Resilience in Social-Ecological Systems. *Ecology and Society* 11(1): 15 [online]. URL: <http://www.ecologyandsociety.org/vol11/iss1/art15/>
43. **Janssen**, M.A. (2006), Evolution of Cooperation when Feedback to Reputation Scores is Voluntary, *Journal of Artificial Societies and Social Simulation* 9(1): <http://jasss.soc.surrey.ac.uk/9/1/17.html>
42. **Janssen**, M.A. (2005), Evolution of institutional rules: an immune system perspective, *Complexity* 11(1): 16-23
41. Goldstone, R.L. and M.A. **Janssen** (2005), Computational models of collective behaviour, *Trends in Cognitive Science* 9(9): 424-430
40. **Janssen**, M.A. and E.E. Osnas* (2005), Adaptive capacity of social-ecological systems: lessons from immune systems, *Ecohealth* 2(2): 93-101
39. Anderies, J.M., M.A. **Janssen** and E. Ostrom (2004), A framework to analyze the robustness of social-ecological systems from an institutional perspective, *Ecology and Society* 9(1): 18. [online] URL: <http://www.ecologyandsociety.org/vol9/iss1/art18>
38. **Janssen**, M.A. and M. Scheffer (2004), Overexploitation of renewable resources by ancient societies and the role of sunk cost effects, *Ecology and Society* 9(1): 6. [online] URL: <http://www.ecologyandsociety.org/vol9/iss1/art6>
37. **Janssen**, M.A., J.M. Anderies and B.H. Walker (2004), Robust strategies for managing rangelands with multiple stable attractors, *Journal of Environmental Economics and Management* 47:140-162
36. **Janssen**, M.A. and J.C.J.M. van den Bergh (2004), Into the black box of environmental Kuznets curves: optimal growth and material resource use in two trading countries, *Annals of Regional Science* 38: 93-112
35. **Janssen**, M.A., T.A. Kohler, and M. Scheffer (2003), Sunk-cost effects and vulnerability to collapse in ancient societies, *Current Anthropology* 44(5): 722-728.

34. **Janssen**, M.A. and W. Jager (2003) Simulating market dynamics: Interactions between consumer psychology and social networks, *Artificial Life* 9: 343-356
33. Parker, D.C., S.M. Manson, M.A. **Janssen**, M. Hoffmann, and P. Deadman (2003) Multi-agent systems for the simulation of land-use and land-cover change: a review, *Annals of the Association of American Geographers* 93(2): 314-337.
32. Jager, W. and M.A. **Janssen** (2003) The need for and development of behaviorally realistic agents, *Lecture Notes in Artificial Intelligence* 2581: 36-49.
31. Van Beukering, P.J.M., H. Cesar and M.A. **Janssen** (2003) Economic valuation of the Leuser National Park on Sumatra, Indonesia, *Ecological Economics* 44: 43-62.
30. Vindigni, G., M.A. **Janssen** and W. Jager (2002) Organic food consumption: a multi-theoretical framework of consumer decision making, *British Food Journal* 104: 624-642.
29. Jager, W., M.A. **Janssen** and C.A.J. Vlek (2002) How uncertainty stimulates over-harvesting in a resource dilemma: three process explanations, *Journal of Environmental Psychology* 22: 247-263.
28. van Daalen*, C.E., L. Dresen and M.A. **Janssen** (2002) The roles of computer models in the environmental policy life cycle, *Environmental Science and Policy* 5: 221-231.
27. **Janssen**, M.A. and W. Jager (2002) Stimulating diffusion of green products, co-evolution between firms and consumers, *Journal of Evolutionary Economics* 12: 283-306.
26. Walker, B., S. Carpenter, J.M. Anderies, N. Abel, G. Cumming, M.A. **Janssen**, L. Lebel, J. Norberg, G. Peterson and R. Pritchard (2002) Resilience management in social-ecological systems: a working hypothesis for a participatory approach, *Conservation Ecology* 6(1): 14. [online] URL: <http://www.consecol.org/vol6/iss1/art14>
25. Walker, B.H. and M.A. **Janssen** (2002) Rangelands, pastoralists and governments: inter-linked systems of people and nature, *Philosophical Transactions of the Royal Society London: Biological Sciences* 357: 719-725.
24. Parker, P., R. Letcher, A. Jakeman, M. B. Beck, G. Harris, R. M. Argent, M. Hare, C. Pahl-Wostl, A. Voinov, M. **Janssen et al.** (2002) Progress in integrated assessment and modelling, *Environmental Modelling & Software* 17: 209-217.
23. Anderies, J.M., M.A. **Janssen** and B.H. Walker (2002) Grazing management, resilience and the dynamics of a fire driven rangeland system, *Ecosystems* 5: 23-44
22. **Janssen**, M.A. and W. Jager (2001) Fashions, habits and changing preferences: a simulation of psychological factors affecting market dynamics, *Journal of Economic Psychology* 22: 745-772
21. **Janssen**, M.A., J.C.J.M. van den Bergh, P.J.H. van Beukering* and R. Hoekstra* (2001) Changing industrial metabolism: methods for analysis, *Population and Environment* 23: 139-156.
20. van Beukering*, P.J.M. and M.A. **Janssen** (2001) Trade and recycling of used tyres in Western and Eastern Europe, *Resources, Conservation and Recycling* 33: 235-265.
19. Jager*, W., M.A. **Janssen** and C.A.J. Vlek (2001) Experimentation with household dynamics: the consumat approach, *International Journal of Sustainable Development* 4: 90-100

18. **Janssen**, M.A. (2001) An immune system perspective on ecosystem management, *Conservation Ecology* 5(1): 13.
<http://www.consecol.org/vol5/iss1/art13/index.html>
17. **Janssen**, M.A. (2001) An exploratory integrated model to assess management of lake eutrophication, *Ecological Modelling* 140: 111-124
16. **Janssen**, M.A. (2001) Sequential optimization of integrated climate change models, *Mathematics and Computers in Simulation* 54(6): 477-489
15. van Beukering*, P.J.H. and M.A. **Janssen** (2000) A dynamic integrated analysis of truck tyres in Western Europe, *Journal of Industrial Ecology* 4(2): 93-115
14. Jager* W., M.A. **Janssen**, H.J.M. De Vries, J. De Greef and C.A.J. Vlek (2000) Behaviour in commons dilemmas: *Homo Economicus* and *Homo Psychologicus* in an ecological-economic model, *Ecological Economics* 35(3): 357-380
13. **Janssen**, M.A., B. Walker, J. Langridge and N. Abel (2000) An adaptive agent model for analysing co-evolution of management and policies in a complex rangeland system, *Ecological Modelling* 131(2/3): 249-268.
12. Vries, B. de, J. Bollen*, L. Bouwman, M. den Elzen, M. **Janssen**, E. Kreileman and R. Leemans (2000) Greenhouse gas emissions in an equity-, environment- and service-oriented world: an IMAGE-based scenario for the 21st century, *Technological Forecasting and Social Change* 62 (2/3):137-174
11. **Janssen**, M.A. and H.J.M. de Vries (2000) Climate change policy targets and the role of technological change, *Climatic Change* 46 (1/2): 1-28
10. **Janssen**, M.A. and S.R. Carpenter (1999) Managing the resilience of lakes: a multi-agent modeling approach, *Conservation Ecology* 3(2): 15.
<http://www.consecol.org/vol3/iss2/art15/index.html>
9. Vries, H.J.M. de, M.A. **Janssen** and A. Beusen (1999) Perspectives on global energy futures: simulations with the TIME model, *Energy Policy* 27(8): 477-494.
8. **Janssen**, M.A. and W. Jager* (1999) An integrated approach to simulating behavioural processes: a case study of the lock-in of consumption patterns, *Journal of Artificial Societies and Social Simulation* 2(2):
<http://jasss.soc.surrey.ac.uk/2/2/2.html>
7. **Janssen**, M.A. (1998) Use of complex adaptive systems for modeling global change, *Ecosystems* 1: 457-463.
6. **Janssen**, M.A. and H.J.M. de Vries (1998) The battle of perspectives: a multi-agent model with adaptive responses to climate change, *Ecological Economics* 26(1): 43-65.
5. **Janssen**, M.A. and W.J.M. Martens* (1997) Modeling malaria as a complex adaptive system, *Artificial Life* 3: 213-237.
4. **Janssen**, M.A. (1997) Optimization of a non-linear dynamical system for global climate change, *European Journal of Operations Research* 99: 322-335.
3. **Janssen**, M.A., J. Rotmans, and O.J. Vrieze (1995) Climate change: optimization of response strategies, *International Transactions in Operations Research* 2: 1-15.
2. **Janssen**, M.A., and J. Rotmans (1995) Allocation of fossil CO2 emission rights quantifying cultural perspectives, *Ecological Economics* 13: 65-79.
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Scientific Publications (not peer-reviewed)

8. **Janssen**, M.A. and E. Ostrom (2006) Resilience, Vulnerability and Adaptation, *IHDP Newsletter* (1): 10-11
7. **Janssen**, M.A. and A.M. York* (2005) The Limits of Economic Incentives: Initial results from a survey among non-industrial private land owners in Monroe County, *The Woodland Steward* 14(1): 13-14 (inwoodlands.org)
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16. **Janssen**, M.A. (2002) A future of surprises, in *Panarchy: Understanding Transformations in Human and Natural Systems*, edited by L. Gunderson and C.S. Holling, Island Press, pp: 241-260.
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11. Jager, A. and M.A. **Janssen** (2002) Using artificial agents to understand laboratory experiments of common-pool resources with real agents, in Janssen, M.A. (ed.) *Complexity and Ecosystem Management: The Theory and Practice of Multi-agent Systems*, Edward Elgar Publishers, Cheltenham UK/ Northampton, MA, USA. Pp. 75-102.
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Book reviews

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3. Individual based Modelling and Ecology, Grimm, Volker and Steven F. Railsback, *Journal of Artificial Societies and Social Simulation* (2006) <http://jasss.soc.surrey.ac.uk/9/4/reviews/janssen.html>
2. Complex Systems and Archaeology: Empirical and Theoretical Applications, Bentley, R. Alexander, and Herbert D.G. Maschner (editors), *American Journal of Archaeology* (2005) 109(3): 568-569
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4. Palaniappan*, S., A. Sawhney, M.A. and **Janssen** (2007) Modeling Construction Safety as an Agent-Based Emergent Phenomenon, the 24th International Symposium on Automation & Robotics in Construction (ISARC–2007), Kochi, Kerala, India, during 19th – 21st September 2007.
3. Delre*, S.A., W. Jager, M.A. **Janssen** and T.H.A. Bijmolt (2006) Simulating the Motion Picture Market: why do the hits take it all? Proceedings of the First World Conference on Social Simulation, August 21-25, Kyoto, Japan, pp.305-312
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1. **Janssen**, M.A. (1992), Historical and Future Regional Emission Paths of Carbon Dioxide: Allocation and Optimization Mechanisms, Master Thesis, Department of Operations Research, Erasmus University of Rotterdam.

Sponsored Research

- National Science Foundation, awarded 2009 (period 2009 – 2014); **co-PI** \$ 499,735 (RCN: A research network for computational modeling in the socioecological systems): Coupled Human and Natural Systems Program.
- National Science Foundation, awarded 2008 (period 2008-2013); **PI** \$414,827 (CAREER: Innovation of institutional rules in the governance of common resources): Innovation and Organizational Sciences program and the Decision, Risk, and Management Science Program
- National Science Foundation, awarded 2006; (period 2006-2008); **co-PI**, \$124,311 (Community Development Proposal: Integrating Socio-Ecological Sciences Through a Community Modeling Framework): Human and Social Dynamics Program.
- National Science Foundation, awarded 2005; (period 2005-2007); **co-PI**, \$540,955 (Long-Term Coupled Socioecological Change in the American Southwest and Northern Mexico): Biocomplexity Program.
- National Science Foundation, awarded 2005; (period 2005-2008); **co-PI**, \$749,278 (Integrated Analysis of Robustness in Dynamic Social Ecological Systems): Human and Social Dynamics Program
- National Science Foundation, awarded 2004; (period 2004-2008); **PI**, \$600,316 (The Dynamics of Rules in Commons Dilemmas): Human and Social Dynamics Program.
- Resilience Alliance, awarded 2002; (period 2002-2003); **PI**, \$15,000 (Adaptive capacity of ant colonies)
- Resilience Alliance, awarded 2002; (period 2002-2003); **PI**, \$15,000 (Adaptive capacity of immune systems and its relevance for studying self-governance in social-ecological systems)
- Swedish Research Council, 2002; (period 2002-2004); **co-PI**, 845,000 Swedish Krona (= \$85,000), (Economic and institutional tools for sustainable management of Biodiversity)
- European Union, awarded 2000; (period 2000-2003); **PI**; 150,000 Euro (= \$155,000) (Applications of Artificial Immune Systems to ecosystem management (IST-2000-26016))

Honors

- NSF CAREER award (2008)
- Arizona State University Faculty Achievement Award in Defining Edge Research, Social Science (2008)
- Elected member of the Ralf Yorque Society (2001)

Presentations (since 2001)

2009

- (invited) July 28, *Efficiency and Equity in Asymmetric Commons Dilemmas*, Laboratoire Montpelliérain d'Economie Théorique et Appliquée, Seminar, University of Montpellier
- (invited) July 13, *Pattern Oriented Modeling of Commons Experiments*, seminar, EAWAG, Zurich, Switzerland
- (invited) July 10, *Multi-methods to study institutional diversity*, CIRAD, Montpellier, France
- (invited keynote) June 30, Key note speaker, *The Fit between Institutions and Ecosystem Dynamics*, at the eighth biennial conference of the European Society for Ecological Economics (ESEE), June 29 – July 2, 2009, at the Biotechnical Faculty, University of Ljubljana, Slovenia.
- June 19, *The Fit between Institutions and Ecosystem Dynamics*, GREEN Team, CIRAD, Montpellier, France
- June 4, *Asymmetric Commons games in the laboratory and the field*, Workshop on the Workshop, Indiana University
- (invited) April 30 – May 3, *Crafting institutions of social-ecological systems in the lab*, Workshop on Context and the Evolution of Mechanisms for Solving Collective Action Problems, Indiana University
- (invited) March 10, *Governing the commons in the lab and field experiments*, Seminar Initiative in Population Research, Ohio State University

2008

- (invited) November 21, *The Fit between Institutions and Ecological Dynamics*, Workshop of the Latin American Field Experiments Network at the University de los Andes, Bogota, Colombia, November 20-21, 2008
- October 29, *Coordination and Cooperation in Asymmetric Commons Dilemmas in the Lab and the Field*, seminar at the Workshop in Political Theory and Policy Analysis, Indiana University
- (invited) August 13, *Translating local opportunities to meet global challenges*, at the workshop 'The Long Haul: Navigating the Energy Transition to Limit Climate Change', Dunsuir Lodge (Victoria BC), August 11-13, 2008
- (invited) July 29, 2008, with Daniel Castillo, *Cambiande las reglas del juego*, International ARIDnet workshop, San Cristobal de las Casas, Chiapas, Mexico, July 26-30
- July 16, 2008, *Share your models at openabm.org*, World Conference on Social Simulation, Fairfax, Virginia, USA

- July 15, 2008, *Pattern-oriented modeling of commons dilemma experiments*, World Conference on Social Simulation, Fairfax, Virginia, USA
- April 15, 2008, *Population aggregation in the ancient American Southwest*, Resilience 2008, Stockholm, Sweden.
- April 14, 2008, *Changing the rules of the game*, Resilience 2008, Stockholm, Sweden.
- March 28, 2008, *Population aggregation in the ancient American Southwest*, at the annual meeting of the Society of American Archaeology, Vancouver, Canada
- (invited) February 22-23, 2008, *Self-governance of a Spatial Explicit Real-time Dynamic Common Resource: A Content Analysis of Communication Patterns*, Social Dilemma Conference, Florida State University, Tallahassee

2007

- (invited) October 22, 2007, *Changing the rules of the game: experiments with humans and virtual agents*, *Talk series on Complex Systems and Networks*, Indiana University
- (invited keynote) September 10, 2007, *Changing the rules of the game: experiments with humans and virtual agents*, *Annual conference of the European Social Simulation Association*, Toulouse, France
- August 2, 2007, *Changing the rules of the game in commons dilemmas*, *Seminar*, Department of Economics, University de los Andes, Bogota, Colombia
- (invited) June 18, 2007, *Robustness of social-ecological systems*, *Resilience and Development workshop*, Oxford University, Oxford, UK
- (invited) May 2007, *Scholarly Networks on Resilience, Vulnerability, and Adaptation within the Human Dimensions of Global Environmental Change, 2007 Amsterdam Conference on the Human Dimensions of Global Environmental Change*, Amsterdam, May 24-26
- (invited) May 2007, semi-plenary talk, *Going Beyond Panaceas in the Governance of Social-ecological Systems*, *2007 Amsterdam Conference on the Human Dimensions of Global Environmental Change*, Amsterdam, May 24-26
- (invited keynote) March 2007, *Keynote address, Towards a community frameworks for agent-based modelling*, *Third International Model-to-Model workshop*, Marseille, France
- March 6, 2007, *Evolution of cooperation and altruistic punishment when retaliation is possible*, *Mathematics and Cognition colloquium*, Arizona State University

March 2007, Model archive, *Integrating Socio-Ecological Sciences Through a Community Modeling Frameworks*, NSF sponsored workshop at Arizona State University

January 2007, Dynamics of Rules in Commons Dilemmas, *Social and Socio Environmental Dynamics conference*, Arizona State University

2006

November 17, 2007, Dynamic-persistence of cooperation in public good games when group size is dynamic, *Biomathematics seminar*, Department of Mathematics, Arizona State University

August 2006, Hominids foraging in a complex landscape: Could Homo ergaster and Australopithecus boisei meet the calories requirements?, *First World Congress on Social Simulation*, Kyoto Japan.

(invited) August 2006, Dynamics of rules in commons dilemmas, *Empirical Agent-based modeling workshop*, Magnetic Island, Australia, 14-18 August

July 2006, Dynamics of rules in commons dilemmas, *seminar at Santa Fe Institute*, Santa Fe

June 2006, Dynamics of rules in commons dilemmas, *invited talk for Economics and Marketing departments*, University of Groningen, the Netherlands

May 2006, Commentary on Institutional Change in Europe, *Vincent Ostrom: the Quest to understand human affairs*, Indiana University, Bloomington

January 2006, Dynamics of rules in commons dilemmas, *8th Annual CAP LTER Research Poster Symposium*

(invited) January 2006, Dynamics of rules in commons dilemmas, *Workshop on testing Different Theories of Individual Behavior in Social Dilemmas*, Max Planck Institute, Germany

2005

December, 2005, Robustness of Social-Ecological Systems, and Institutional Adaptation, *Next Generation Simulations of Human-Environmental Interactions Workshop*, Univ of Arizona, Tuscan

November, 2005, Computer Simulation of Social Phenomena, *Seminar*, Partnership for Research in Spatial Modeling (PRISM), Arizona State University

October, 2005, Institutional Change in Social-Ecological Systems, *6th open meeting of the International Human Dimensions Program of Global Change*, Bonn, Germany

(invited) October, 2005, Scholarly Networks on Resilience, Vulnerability, and Adaptation within the Human Dimensions of Global Environmental Change, the *6th Open meeting of the International Human Dimensions Programme on Global Change*, Bonn, Germany

November, 2005, Games and Gossip, *AI Lunch Bunch seminars*, Department of Computer Science and Engineering, Arizona State University

September, 2005 Dynamics of Rules in Commons Dilemmas, 2005 *PI meeting of the NSF Human and Social Dynamics Programme*, Washington DC

September, 2005, Empirically-based Agent-based modelling, *Mathematics and Cognition Seminar*, Arizona State University

June 2005, Foraging of *Homo ergaster* and *Australopithecus boisei* in East African Environments, *Annual meeting of the NAACSOS*, Notre Dame University

June 2005, Empirically-based Agent-based modelling, *Empirically-based Agent-based modeling workshop*, Indiana University, Bloomington

(invited) April 2005, Social-Ecological Networks, *Meeting on Multiple overlapping networks*, Santa Fe Institute, Santa Fe

(invited) March 2005, Dynamics of rules in commons dilemmas, *Meeting on Social Norms and Social networks*, organized by Santa Fe Institute, held at Boston University

(invited) March 2005, Governing Social-ecological systems, *Colloquia Series*, Department of Anthropology, Arizona State University, Tempe

(invited) February 2005, Scholarly networks on resilience, vulnerability and adaptation within the human dimensions of global environmental change, *Key Challenges for Human Dimensions Research*, February 9-12, 2005, Arizona State University, Tempe

2004

(invited) October 2004 Governance of Social-Ecological Systems, *Complexity seminar*, University of Alaska, Anchorage

(invited) October 20, 2004 Robustness of Social-Ecological Systems to Spatial and Temporal Variability, *Seminar*, University of Alaska, Fairbanks

September 27, 2004, Coordination in Social-Ecological Networks: The Case of Irrigation on Bali, Fall 2004 *Talk series on Complex Systems and Networks*, Indiana University

- September 20, 2004, Understanding Coordination in the Bali Irrigation System, *Seminar* at Workshop in Political Theory and Policy Analysis, Indiana University
- September 14, 2004, Governance of Social-Ecological Systems, *Biocomplexity Seminar*, Physics Department, Indiana University
- August, 13, 2004, Robustness of Social-Ecological Systems to Spatial and Temporal Disturbance Regimes, *The Tenth Biennial Conference of the International Association for the Study of Common Property*, Oaxaca, Mexico
- July 12, 2004, Robustness of Social-Ecological Systems to Spatial and Temporal Disturbance Regimes, *Biannual conference of the International Society of Ecological Economics*, Montreal, Canada
- June 3, 2004, Robustness of Social-Ecological Systems to Spatial and Temporal Disturbance Regimes, *Workshop on the Workshop 3*, Indiana University, Bloomington
- June 3, 2004, Robustness Analysis of the Dutch Water Management between 800-1800, *Workshop on the Workshop 3*, Indiana University, Bloomington
- May 21, 2004, Governance of Social Ecological Systems, *Workshop on Agent-Based Computational Economics Handbook*, Michigan University, Ann Arbor.
- May 18, 2004, Adaptation and Resilience in Rangelands Social-Ecological Systems, *Second CABM/HEMA Workshop "Exploring Human Ecosystems: the new scientific challenge"*, Australian National University, Canberra Australia.
- May 15, 2004, Trust and cooperation, *Agistment networks workshop*, Thredbo, Australia.
- May 11, 2004, Robustness of Social-Ecological Systems: some lessons from CIPEC case studies, *Case study workshop of Resilience Alliance*, Nagambie, Australia
- March 2, 2004, Robustness and adaptive capacity in social and ecological systems, *Department of Ecology and Evolutionary Biology*, Princeton University, Princeton, NJ
- February 9, 2004, Cooperation in Commons Dilemmas and the Role of Information, Motivation and Trust, *School of Informatics*, Indiana University, Bloomington, IN.

2003

- October 26, 2003, Robustness of Social-Ecological Systems to Spatial and Temporal Disturbance Regimes, *Robustness of Ecosystems*, Santa Fe Institute, Santa Fe (NM)

- 3-4 October, 2003, How a Change in Rules Can Affect Behavior and Outcomes: Goons, Guards, and Outcomes in Hockey, *The Society for Evolutionary Analysis in Law, 6th Annual Scholarship Conference*, Indiana University School of Law, Bloomington
- 19-21 September, 2003, Adaptation vs. Anticipation in Linear Public Good Games, Paper presented at the *First Conference of the European Social Simulation Association*, Groningen University, Groningen, The Netherlands
- May 13, 2003, Agent based Modeling and Natural Resource Management, Center for Environmental Studies, Arizona State University, Tempe AZ
- April 24, 2003, Agent based Modeling of Land use land cover change, *Lunch Seminar*, School of Marine Sciences, University of Maine, Orono, Maine
- April 16, 2003, Validation of land use change models: Towards a practical framework, at *International conference: Framing Land Use Dynamics*, Utrecht University, Utrecht, The Netherlands
- (invited) April 3, 2003, Agent-based modelling and land use land cover change, *Lunch Seminar at National Institute for Public Health and the Environment*, Bilthoven, the Netherlands
- (invited) April 3, 2003, Robustness, Institutions and Environmental Management, at *Workshop on new modelling approach for sustainable development*, National Institute for Public Health and the Environment, Bilthoven, the Netherlands
- March 31, 2003, Comparing Behavioural Models on Experimental Data from Public-Good Games, at *International workshop, Model to Model*, Organized at Groupement de Recherche en Economie Quantitative d'Aix-Marseille, Marseille, France
- (invited) May 16, 2003, Design principles for robustness of institutions in social-ecological systems, *Robustness of Coupled Human-Environmental Systems*, Workshop, Santa Fe Institute, Santa Fe, NM
- (invited) July 11-12, 2003, Laboratory Experiments and Agent-based Modeling, First *CABM/HEMA Workshop "Agent-Based Modelling of Social, Economic and Biophysical Systems"*, Melbourne, Australia
- (invited) March 27, 2003, Predicting Change or Assessing Resilience of Social-Ecological Systems? Challenges and Opportunities for Sustainable Impact Assessment Modeling, at *Sustainability Impact Assessment of Trade Agreements and New Approaches to Governance, EU Workshop*, Louvain-La Neuve, Belgium.
- January 25, 2003, Adaptation and Anticipation, at *Research Group Workshop on Testing Theoretical Models of Individual Behavior in Dynamic Social Dilemmas*, Indiana University, Bloomington

2002

December 9, 2002, Governing Resilience of Social-Ecological Systems, *Geography colloquium*, Indiana University.

September 10, 2002, Adaptive capacity in social and biological systems, *Resilience Alliance meeting*, University of Wisconsin.

May 10, 2002, Adoption of a New Regulation for the Governance of Common-Pool Resources by a Heterogeneous Population, *Computational Social Sciences conference* in Lake Arrowhead.

March 9, 2002, Implications of spatial heterogeneity of grazing pressure on the resilience of rangelands, *Spatial Resilience meeting*, Santa Fe Institute, Santa Fe.

2001

November, 2001, Robust strategies for managing rangelands with multiple stable states, *Colloquium*, Department of Spatial Economics, Vrije Universiteit Amsterdam

November, 2001, Using artificial agents to understand laboratory experiments of common-pool resources with real agents, *Colloquium*, Department of Economics, University of Amsterdam

September, 2001, Co-evolution of cognitive strategies and the environment. Simsoc 5 meeting on "*Frontiers in Social Sciences Simulations*" in Kazimierz Dolny (Poland), September 21-23, 2001.

August, 2001, Critical factors that foster local self-governance of common-pool resources, *Annual Resilience Alliance Meeting*, Chang Mai, Thailand

June 2001, Multi Agent Simulation of the Behavioural Dynamics Behind the Innovation Diffusion of "Green" Products. *Eurosim 2001: Shaping the Future with Simulation, the 4th International EUROSIM Congress*, Delft, The Netherlands, 26 - 29 June.

(invited) May, 2001, Changing the rules of the game: Modelling selforganization of institutions: inspiration from immunology and linguistics, *The Abisko 2001 Workshop on Emergence, Transformation, and Decay in Socio-Natural Systems*, Abisko, Sweden, May 20-23

Service

National

- National Science Foundation Panel (2008)
- Invited participant at Workshop on Future Priorities for the Climate Change Science Program, Committee on Strategic Advice on the CCSP, National Research Council, March 19-20, 2008, Boulder, Colorado

School of Human Evolution and Social Change

- Colloquia organization (2005/2006; 2006/2007)
- Personnel Committee (2005/2006; 2006/2007)
- Honors committee (2005/2006)
- Chair Hiring committee Academic Professional (2005/2006)
- Chair Hiring committee Coordinator Senior CSID (2006/2007)
- Search committee two Assistant Professors CSID (2006/2007)
- Research committee SHESC (2008/2009; 2009/2010)
- Associate director CSID (since August 2007)
- executive committee for the Applied Mathematics for the Life and Social Sciences PhD degree (since December 2008)
- School's Computer Committee (2009/ 2010)

School of Computing and Informatics

- Informatics Certificate curriculum committee (2005/2006; 2006/2007)
- Affiliate Faculty Evaluation Committee of School of Computing and Informatics (2007)

Professional Service

Editorial:

- Associate editor-in-chief of Ecology and Society (since 2005)
- Member of editorial board Conservation Ecology (2003)
- Member of editorial board Ecology and Society (2004)
- Member of editorial board Global Environmental Change (since 2007)
- Blogs: Institutional Diversity (<http://institutionaldiversity.blogspot.com/>) and Resilience Science (<http://rs.resalliance.org/>)

Professional organizations (member)

- International Society for Ecological Economics
- The Society for Evolutionary Analysis in Law
- American Association for the Advancement of Science
- North American Association for Computational Social and Organization Science
- European Social Simulation Association
- Association for Evolutionary Economics
- International Association for the Study of the Commons
- Society for American Archaeology
- Resilience Alliance
- Scientific Board (2000-2004)
- Board of Directors (2001-2004)

Reviewer for the following journals

- Agricultural Systems (2008)
- Agriculture, Ecosystems & Environment (2003)
- American Economic Review (2003)
- American Journal of Sociology (2003)
- Annals of the Association of American Geographers (2003)
- Autonomous Agents and Multi-Agent Systems (2008)
- Cognitive Systems Research (2005)
- Complexity (2001, 2006)
- Computational Economics (2008)
- Conservation Biology (2004)
- Conservation Ecology (1999, 2001, 2003)
- Conservation and Society (2007)
- Contemporary Economic Policy (2008)
- Current Anthropology (2007)
- Demography (2007)
- Eastern Economic Journal (2007)
- Ecohealth (2005, 2006)
- Ecosystems (2004, 2008)
- Ecological Applications (2008)
- Ecological Economics (1995-2001, 2003, 2005-2009)
- Ecological Informatics (2008)
- Ecological Modelling (2006-2008)
- Ecology and Society (2004-2009)
- Economic Journal (2004)
- Environment and Development Economics (2004, 2005)
- Environmental and Planning A (1996)
- Environmental and Resource Economics (2000, 2001, 2005)
- Environmental Impact Assessment Review (1995)
- Environmental Management (2004, 2006, 2007)
- Environmental Modelling and Assessment (1997-1999, 2007, 2009)
- Environmental Modelling and Software (2002-2005, 2007, 2008)
- European Journal of Operation Research (1999)
- Global Environmental Change (2005 - 2009)
- IEEE Transactions on Evolutionary Computation (2007)
- Integrated Assessment (2000)
- International Journal of the Commons (2009)
- International Journal of Geographical Information Systems (2003, 2005)
- International Journal of Risk Assessment and Management (2008)
- Journal of Artificial Societies and Social Simulation (1999, 2000, 2003, 2005, 2007, 2009)
- Journal of Cleaner Production (2003)
- Journal of Economic Behaviour and Organization (2006, 2008)
- Journal of Economic Dynamics and Control (2008)
- Journal of Environmental Economics and Management (2004, 2007)
- Journal of Environmental Management (2006, 2007)
- Journal of Evolutionary Economics (2005)
- Journal of Industrial Ecology (2004)
- Journal of Land Use Science (2005)

- Journal of Natural Resources Policy Research (2009)
- Journal of Politics (2008)
- Journal of Theoretical Biology (2006, 2007)
- Landscape and Urban Planning (2007)
- Mathematical Biosciences (2006)
- Papers in Regional Science (2001, 2002)
- Philosophical Transactions of the Royal Society B (2001)
- Physica A (2009)
- Political Research Quarterly (2008)
- Proceedings of the National Academy of Sciences USA (2007-2009)
- Science (2008)
- Simulation (2004, 2006, 2008)
- Simulation and Gaming (2005)
- Social Science Review (2008)
- Structural Change and Economic Dynamics (2003)
- Technological Forecasting and Social Change (2007)
- Topics in Cognitive Science (2008)
- Water Resources Research (2006)

Book reviews

- Princeton University Press (2007)
- Taylor and Francis (2009)

Reviewer for the following organizations

- Austrian Science Fund (2004)
- European Science Foundation (2001, 2009)
- International Foundation for Science (2004)
- Maine Sea Grant Program (2003)
- National Science Foundation (USA) (2002, 2003, 2008, 2009)
- National Research Council (2007)
- Netherlands Organisation for Scientific Research (2001)
- Pelagic Fisheries Research Program (2009)
- Swiss National Science Foundation (2008)

Workshop Organizer

- Organizer of Workshop “Lab and Field Experiments on diverse Social Dilemmas”, January 11-13, 2009, Arizona State University, Tempe
- Organizer of Workshop “Dynamics of Institutions in water Resource Management”, January 9-11, 2008, Arizona State University, Tempe
- Co-Organizer of Workshop “Going beyond panaceas”, January 2007, Arizona State University, Tempe
- Organizer of Workshop on “Empirically-based Agent-based Modeling”, Indiana University, June 2-4, 2005, Bloomington
- Organizer of 6 sessions on “Historical Institutional Analysis on Robustness of Social-Ecological Systems” during the Workshop on the Workshop 3, June 2-6, 2004, Indiana University, Bloomington
- Co-Organizer of First Conference of the European Social Simulation Association: theoretical and empirical foundations of agent architectures, September 18-21, 2003, Groningen, the Netherlands.

- Economics of Industrial Ecology, special sessions as part of the international conference “The Science and Culture of Industrial Ecology”, Leiden, the Netherlands, 12-14 November, 2001
- Organiser plenary session on Complexity at the International Conference of Ecological Economics, July 2000, Canberra, Australia.

Program Committees

- Member of the Program Committee of the Agent-directed Simulation Symposium, Orlando, March 12-15, 2010
- Member of the Scientific Committee of the annual conference of the European Social Simulation Association, September 2009, University of Surrey, Guildford, UK
- Member of the Scientific Committee of the 5th International Conference in Artificial Economics, Valladolid, Spain, September, 2009
- Member of the Programming Committee of the international workshop Agent-Based Social Simulation at Autonomics'09 (ABSS@Autonomics-2009), September 9-11, 2009, Lymmasol, Cyprus
- Program Committee member for the Eighth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-09), Budapest, May 10-15, 2009
- Member of the Program Committee of the Agent-directed Simulation Symposium, Santa Barbara, March 22-29, 2009
- Member of the Program Committee of the International Conference on Reputation, Gargonza, Italy, March 17-20, 2009
- Program Committee member for the Social Simulation workshop at the Twenty-first International Joint Conference on Artificial Intelligence, Pasadena CA, July 11-17, 2009
- Member of the Program Committee of the Third Edition of Epistemological Perspectives on Simulation, Lisbon, ISCTE, Portugal, October 2-3, 2008
- Member of Scientific committee of the Forth International Conference of Artificial Economics, Innsbruck, 2008
- Member of the Scientific Committee of the annual conference of the European Social Simulation Association, September 2008, Brescia, Italia
- Member of the Program Committee of the Second World Conference for Social Simulation, George Mason University, July 2008.
- Member of the Program Committee of the Ninth International Workshop on Multi-Agent-Based Simulation (MABS'08), associated with the seventh International Conference on Autonomous Agents and Multiagent-Systems, Estoril, Portugal, May 12-16, 2008
- Member of the Scientific committee of the Third International Conference on Artificial Economics, Palermo (Italy), September 2007
- Member of the Scientific Committee of the annual conference of the European Social Simulation Association, September 2007, Toulouse, France.
- Member of the Program Committee of eight international workshop on agent-based simulation, co-located with the sixth International Joint Conference on Autonomous Agents and Multiagent Systems, Hawaii, 2007
- Member of the Technical Committee of the Agent-Directed Simulation (ADS'07) Sponsored by: The Society for Modeling and Simulation International March 25 - 29, 2007 Norfolk, VA, USA

- Member of the Scientific Committee of the M2M2 “Model to Model 3” workshop, April 2007 in Marseille, France.
- Member of the Scientific committee of the Second International Conference on Artificial Economics, Aalborg (Denmark), September 2006.
- Member of the Program Committee of the First World Conference for Social Simulation, Kyoto, Japan, August 2006.
- Member of the Academic Review Committee of Biannual global conference of International Association for the Study of Common Property, Bali, Indonesia, June 19-23, 2006
- Member of the Program Committee of the 7th international Multi Agent Based Simulation workshop during the 5th international joint conference on autonomous agents and multiagent systems (AAMAS 2006), Future University-Hakodate, Japan, May 2006
- Member of the Scientific committee of Artificial Economics 2005: Symposium in Agent-based Computational Methods in Finance, Game Theory and their applications, Lille, France, September 29-30, 2005
- Member of the Program Committee of the 6th Multi Agent Based Simulation, Utrecht, The Netherlands, July 25-29, 2005
- Member of the Technical committee of Agent-Directed Simulation Symposium of the Spring Simulation Multiconference (SMC’05), Arlington, VA, 2-8 April 2005.
- Member of Scientific committee of CABM-HEMA-SMAGET 2005 Joint Conference on Multi-agent modelling for environmental management, Bourg-Saint-Maurice, France, March 21-25, 2005.
- Member of the scientific committee of the Second Conference of the European Social Simulation Association, Valladolid, Spain, September 16-19, 2004.
- Member of the Program Committee of the M2M “Model to Model” workshop, Valladolid, Spain, September 14-15 2004
- Member of the Program Committee of the 5th Multi Agent Based Simulation, New York City, July 19-23, 2004
- Member of review committee for sessions on Human Behaviour and Agent-Based Modelling of iEMSs 2004, International Environmental Modeling and Software Society, University of Osnabrück, Germany, June 14-17, 2004
- Member of the Program Committee of the 5th International Workshop on Agent-Based Simulation (ABS 2004), Lisboa, Portugal, 3-5 May 2004.
- Member of the Program Committee of the 4th Workshop on Multi Agent Based Simulation, Melbourne Australia, July 14-18, 2003.
- Member of the Program Committee of Agent-Based Simulation 4, Montpellier, France, April 28-30, 2003.
- Member of the Program Committee of the M2M “Model to Model” workshop, 31.March - 1st April 2003 in Marseille, France.
- Member of the Program Committee of the Third International Workshop on Multi-Agent Based Simulation, to be held at First International Joint Conference on Autonomous Agents and Multiagent Systems, 15-19 July 2002, Palazzo Re Enzo, Bologna, Italy
- Member of the International Program Committee of the Workshop on Artificial Immune Systems in the 2002 Congress on Evolutionary Computation held as part of the 2002 IEEE World Congress on Computational Intelligence, Honolulu, HI -- May 12-17, 2002

Varia

- Chairman of the Dutch Foundation for Scientific Symbiosis (Stichting Wetenschappelijke Symbiose) (Since 2000)
- Consultant for National Conservancy in summer 2006.

In the media

2005 – Earth and Sky radio: <http://www.earthsky.org/article/marco-a-janssen-profile>

2007 – Simulating Prehistoric Life, *American Archaeologist*, page 26-31, in Fall edition of 2007

2008 - One of the top 10 “Big Ideas” of ASU featured in ASU Alumni Magazine (September 2008)

Impact assessment

Based on data from ISI Web of Knowledge from July 24, 2009. The figure below shows the number of articles citing one or more articles which are (co-)authored by M.A. Janssen. There is a steady increase of articles citing the publications. Based on the 844 articles who cite the work of Janssen, and after removing self citations (including co-authors) the h-index is calculated to be 16. A h-index of 16 means that 16 articles have been cited 16 times or more.

