

Curriculum Vitae **Sylvia I. Karlsson (Ph.D., M.Sc.)**

Place and date of birth: Uppsala, 17 November, 1970. Nationality: Swedish.

Languages: Swedish, English, German and Spanish

Address (work): Finland Futures Research Centre

Turku School of Economics, Pinninkatu 47, FIN-33100, Tampere, FINLAND
and

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Education

2000. Ph.D. Degree (17 November), Department of Water and Environmental Studies, Linköping University, Linköping, Sweden. Political science. Title of Ph.D. thesis: Multilayered Governance. Pesticides in the South — Environmental Concerns in a Globalised World. Ph.D. courses including: External and Internal constraints on policy-making in developing countries: How autonomous is the state?, International Political Theory, Qualitative Interviews as a Research Method, Knowledge and Values in Environmental Policy, Globalisation and the Environment, International Relations and Scientific Theory.

1995. Master of Science in Biology/Ecotoxicology (includes Bachelor of Science Degree), Faculty of Science, Uppsala University, Uppsala, Sweden. Title of Master thesis: “Ecophysiological Effects of Cadmium in Relation to Salinity and Temperature Variations in the Tropical Mussel *Perna viridis*—A Pollution Study in the Gulf of Thailand.” Courses including: Math, Chemistry, Geology, Biology, Biochemistry, Ecology, Tropical Ecology, Natural Resource Economics, Zoophysiology, Toxicology, Animal Pathology, Epidemiology, Ecotoxicology and Environmental Law.

1994 Jan-May. Diploma in Development Studies. Sandö U-centrum, College of the Swedish Board for Education in International Development, under the Ministry of Foreign Affairs, Sandöverken, Sweden. Courses including: Development studies, intercultural communication, human resources development, disaster management and language training (Spanish).

Working history

2009-2010. Visiting Fellow. Department of International Public Law, Leiden Law School, Leiden University, the Netherlands.

2006- Academy Research Fellow. Employer: The Academy of Finland. Hosted by Finland Futures Research Center, Turku School of Economics. Leading a five year research project on the effectiveness and legitimacy of global environmental governance with empirical focus on climate and energy institutions.

2005-2006 Senior Researcher. Finland Futures Research Center, Turku School of Economics. Research projects on e.g. multilevel governance of energy for sustainable development in developing countries.

2003/04. Postdoctoral Fellow, Yale Center for Environmental Law and Policy. Yale University, New Haven CT, USA. Title of research project: Globalization and Multilayered Governance — A study of the World Summit on Sustainable Development Process and Outcome.

2001 Mar–2003 Jun. International Human Dimensions Programme on Global Environmental Change (IHDP), Bonn, Germany.* International Science Project Co-ordinator. Duties included: Co-ordinate research networks and projects, managing grants for research inventories and workshops in Africa and Latin America, representing and presenting IHDP at scientific workshops, organising international workshops on science for sustainable development, co-ordinating the input of IHDP researchers in the World Summit on Sustainable Development process.

*IHDP (www.ihdp.org) is an international research programme under the auspices of the International Council for Science and the International Social Science Council.

2001. Three months. Environment Policy and Society (EPOS), Linköping University, Linköping, Sweden. Researcher. Title of research project: “Colonised Science—the North and the South on the Global Environmental Agenda.”

1995 Sep-2000 Nov. Department of Water and Environmental Studies, Linköping University, Linköping, Sweden. Ph.D. Candidate and Research Assistant. Research assistant work included teaching, editing publications, organisation of international scientific workshops.

1997 June-Aug. Economic Development Institute Environment and Natural Resource Division, The World Bank, Washington D.C., USA. Summer Assistant. Duties included: In co-operation with others edit the publication: Furtado, J. and Belt, T (1999) “Economic Development and Environmental Sustainability, Policies and Principles for a Durable Equilibrium.” The World Bank: Washington D.C.

1995 Jul-Aug. UNEP, International Register for Potentially Toxic Chemicals, Geneva, Switzerland. Consultant. Duties included: Designing the project “Project to Identify (Special) Needs of Developing Countries in Tropical and Subtropical Regions to Assess and Manage Risks Associated With Chemicals and Their Use” and work to develop indicators for chemical risks.

Scientific appointments and expert tasks

2009. Reviewer for UNEP Year Book 2010.

2009. Reviewer for Natural Resources Forum.

2009. Reviewer for International Environmental Agreements: Politics, Law and Economics.

2008. Evaluator for the Austrian Science Fund (FWF).

2008. Reviewer for the journal *Governance*.

2008. Member of the review team for the 7th Open Meeting on the Human Dimensions of Global Environmental Change “Social Challenges of Global Change”, New Delhi, 15-19 October.

2007/8. Member of the International Review Panel for the 2008 Berlin Conference on the Human Dimensions of Global Environmental Change/ International Conference of the Social-Ecological Research Programme with the theme 'Long-Term Policies: Governing Social-Ecological Change', 22-23 February, Berlin.

2007. Expert in the Finnish Government Delegation to the preparatory meeting of the 15th session of the United Nations Commission on Sustainable Development. 26 February – 2 March, UN Headquarters, New York. The meeting themes included energy for sustainable development and climate change.

2006. Expert in the Finnish Government Delegation to the 14th Session of the United Nations Commission on Sustainable Development. 1-12 May, UN Headquarters, New York. The meeting themes included energy for sustainable development and climate change.

2006. Evaluator for the New Zealand Foundation for Research, Science and Technology. Asked to undertake a peer review of a major research application.

2005-2007. Lead author in chapter 8 in UNEP's 4th GEO report. This report is the UNEP led international assessment of the state of the environment, the Global Environmental Outlook report. Lead author in chapter 8 in UNEP's 4th GEO report and contributing author to chapter 1 and 10. Chapter 8's focus is on challenges and opportunities in addressing global environmental change and the human vulnerability associated with it.

2003-2006 Institutional Dimensions of Global Environmental Change (IDGEC). Research Fellow. Research Fellow of the Institutional Dimensions of Global Environmental Change (IDGEC). IDGEC is an international scientific project under the International Human Dimensions Programme (IHDP). The Chair is Prof. Oran Young, Bren School of Environment, University of California Santa Barbara. The Committee appoints Research Fellows, whose work supports the goals of the project, for three year periods. The work has included producing input for the discussions on new research directions and chairing sessions at the project's Synthesis Conference held 6-9 December in Nusa Dua, Indonesia.

Research funding and grants

2006-2011. Academy of Finland. Research project "Legitimacy and Effectiveness in Global Environmental Governance" funded with 379680 €excluding salary for research fellow.

2003/2004. The Swedish Foundation for International Cooperation in Research and Higher Education (STINT). Post-doctoral scholarship for carrying out the project "Globalization and Multilayered Governance — A study of the World Summit on Sustainable Development Process and Outcome" at the Yale Center for Environmental Law and Policy, 303 000 SEK plus travel costs.

2001. The Swedish Council for Planning and Co-ordination of Research (FRN). Grant for a three months research project entitled "Colonised Science—the North and the South on the Global Environmental Agenda."

1999/2000. Department of International Development Studies, Roskilde University, Roskilde, Denmark. Grant for spending six months there as visiting Ph.D. Fellow.

1998/99. Swedish International Development Agency (Sida), Department for Research Cooperation (SAREC). Grant for Ph.D. research project, 700 000 SEK.

Publications

Articles in peer-reviewed scientific journals

Karlsson-Vinkhuyzen, S. I. (in press), 'The United Nations and Global Energy Governance: Past Challenges, Future Choices', *Global Change, Peace and Security*, 22 (2), 177-197.

Karlsson-Vinkhuyzen, S. I. and A. Vihma (2009), 'Comparing the Legitimacy and Effectiveness of Global Hard and Soft Law: An Analytical Framework', *Regulation & Governance*, 3 (4), 400-420.

van Asselt, H. and S. I. Karlsson-Vinkhuyzen. 2009. (editors). Special issue: Exploring and Explaining the Asia-Pacific Partnership on Clean Development and Climate, *International Environmental Agreements: Politics, Law and Economics* 9 (3):195-336.

Karlsson-Vinkhuyzen, S. I. and van Asselt, H. 2009. Introduction: Exploring and Explaining the Asia-Pacific Partnership on Clean Development and Climate, *International Environmental Agreements: Politics, Law and Economics* 9 (3):195-211.

Karlsson, S. I., Srebotnjak, T., Gonzales, P. 2007. Understanding the North-South Knowledge Divide and its Implications for Policy: A Quantitative Analysis of the Generation of Scientific Knowledge in the Environmental Sciences. *Environmental Science & Policy* 10: 668-684.

Karlsson, S. I. 2007. Allocating Responsibilities in Multi-level Governance for Sustainable Development. *International Journal of Social Economics* 34 (1/2): 103-126.

Young, O. R., E. F. Lambin, F. Alcock, H. Haberl, S. I. Karlsson, W. J. McConnell, T. Myint, C. Pahl-Wostl, C. Polsky, P. Ramakrishnan, H. Schroeder, M. Scouart and P. H. Verburg. 2006. A Portfolio Approach to Analyzing Complex Human-Environment Interactions: Institutions and Land Change. *Ecology and Society* 11 (2): 31. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art31/>

Karlsson, S. I. 2006. Strategies for Reducing Risks with Agricultural Pesticides in Developing Countries, In: Pimentel, D (ed.) *Encyclopedia of Pest Management* (pp.1-5), Marcel Dekker Publishers.

Karlsson, S. I. 2004. Institutionalized Knowledge Challenges in Pesticide Governance — The End of Knowledge and Beginning of Values in Governing Globalized Environmental Issues, *International Environmental Agreements: Law, Politics and Economics*, 4 (2): 195-213.

Karlsson, S. I. 2004. Agricultural Pesticides in Developing Countries – A Multilevel Governance Challenge. *Environment*, 46 (4): 22-41.

Book reviews in peer-reviewed scientific journals

Karlsson, S. I. 2008. Book review in *International Environmental Agreements: Politics, Law and Economics*. [Volume 8, Number 4 / December, 2008](#). J. J. Kirton and M. J. Trebilcock 2004, Hard Choices, Soft Law: Voluntary Standards in Global Trade, Environment and Social Governance. *International Environmental Agreements: Politics, Law and Economics*. <http://dx.doi.org/10.1007/s10784-008-9075-5>

Karlsson, S. I. 2008. Re-exploring the Foundations of World Order. Review of “Global Liberalism and Political Order: Toward a New Grand Compromise?”. *International Studies Review*, Vol. 10, pp. 97-99.

Chapters in peer-reviewed scientific edited volumes and conference proceedings

Karlsson-Vinkhuyzen, S. I. (forthcoming). Global Regulation Through a Diversity of Norms: Comparing Hard and Soft Law, in: D. Levi-Faur (ed.), *Handbook on the Politics of Regulation*. Edward Elgar.

Karlsson-Vinkhuyzen, S. I and M. Kok (forthcoming) Interplay Management in the Climate, Energy and Development Nexus, in: Oberthür, S and O. Schram Stokke (eds.), *Institutional Interplay and Global Environmental Change: State of the Art and Perspectives*. MIT Press.

Jäger J., Kok M.T.J., (Coordinating Lead Authors); Chenje M. Dabelko G. D., de Soysa I., Filcak R., Karlsson S.I., Koshy L., Long Martello M., Lüdeke M.K.B., Mathur V., Mohamed-Katerere J.C.; Ana Rosa Moreno; Narain V., Sietz D., Thomalla.F. (Lead Authors) 2007. Chapter 7: Vulnerability of People and the Environment: Challenges and Opportunities. In UNEP, *Global Environmental Outlook (GEO4): Environment for Development*, United Nations Environment Programme.

Martino, D., Zommers, Z., (Coordinating Lead Authors), Bowman K., Brown D., Comim F., Mohamed-Katerere J., Kouwenhoven P., Manders T., Milimo P., Oliveira T (Lead Authors),...Karlsson S. I.. (Contributing Authors), 2007. Chapter 1: Environment for Development. In UNEP, *Global Environmental Outlook (GEO4): Environment for Development*, United Nations Environment Programme.

King, P. N., Levy, M. A., Varughese, G.C (Coordinating Lead Authors); Al-Ajami, A., Brzovic, F., Castro-Herrera, G., Clark, B., Ullsten, O., Wall, C., Xia, Guang (Lead Authors);...Karlsson, S....(Contributing Authors), 2007. Chapter 10: From the Periphery to the Core of Decision Making — Options for Action. In UNEP, *Global Environmental Outlook (GEO4): Environment for Development*, United Nations Environment Programme.

Karlsson, S. I. *et al.* 2007. Meeting conceptual challenges, in T. Hak, B. Moldan, A. L. Dahl (eds.): Sustainability Indicators: A Scientific Assessment”. SCOPE Seris No. 67. Island Press.

Karlsson, S. 2003. Human Dimensions of Global Environmental Change Research and the Global Science Policy Interface. Session Report. In ISCC CD-ROM Vienna Conference Proceedings, L. A. Kosinski and K. Pawlik (eds.), Social Science at the Crossroads, Proceedings of the International Conference on Social Science and Social Policy in the 21st Century, Vienna, Austria, 9-11 December 2002. International Social Science Council (ISSC), Paris, 2003, 119 p. and CD-ROM.

Karlsson, S. 2002. The North/South Knowledge Divide — Consequences for Global Environmental Governance, in: Esty, D. C. and M. Ivanova (eds.) “Strengthening Global Environmental Governance: Options and Opportunities”. New Haven CT: Yale School of Forestry & Environmental Studies.

Other scientific publications

Kok M. T. J., Jäger J., Karlsson S. I., Lüdeke MB, Mohammed-Katerere J., Thomalla F. 2009. Vulnerability of People and the Environment-Challenges and Opportunities. Background report on Chapter 7 of the Fourth Global Environment Outlook (GEO-4). Netherlands Environmental Assessment Agency and UNEP.

Luukkanen, J., Karlsson, S., Vehmas, J., Kinnunen V., Kuntsi-Reunanen, E., and J. Kaivo-Oja. 2005. Energy and Environment, in Hietanen, O. (ed.) *University Partnerships for International Development. Finnish Development Knowledge*. FFRC Publications 6/2005, Turku School of Economics and Business Administration, Turku.

Karlsson, S. I. 2005. Understanding and Creating Institutional Change. The IDGEC New Directions Viewpoint No. 1. Available from:
<http://fiesta.bren.ucsb.edu/~idgesc/science/membersynth/IDGEC%20New%20Directions%20Viewpoint%20No%201.pdf>

Karlsson, S. I. 2005. Bottom-up Meets Top-Down — Multi-level Governance Approaches in the World Summit on Sustainable Development. Presented at the 7th Nordic Conference on Environmental Social Sciences, 15-17 June, Göteborg, Sweden.

Karlsson, S. I. and J. Luukkanen. 2005. Vertical and Horizontal Interplay in Governance of Energy for Sustainable Development — Challenges Along the Global Policy Path and the Mekong River. Presented at the 46th Annual Convention of the International Studies Association, 1-5 March, Honolulu, USA. Available from:
<http://convention2.allacademic.com/one/isa/isa05/index.php?cmd=isa05>

Karlsson, S. 2002. Governance of the Local, the Global and Linkages in Between. *The Common Property Resource Digest*, No. 63, p. 8-9, December.

Karlsson, S. 2002. Book review: ‘Indicators of Sustainable Development in Industrializing Countries’. *Salam LESTARI*, No. 21, p.14-15. Institute for Environment and Development, Universiti Kebangsaan Malaysia, Bangi.

Karlsson, S. and J. Jäger. 2001. Human Dimensions and the Rio+10 Process: An Opportunity for Sharing and Learning. *Update*, Newsletter of the International Human Dimensions Programme on Global Environmental Change, Issue 4 p.1, 3-4.

Karlsson, S. 2000. “Multilayered Governance. Pesticides in the South — Environmental Concerns in a Globalised World”. (Diss. Department of Water and Environmental Studies). Linköping: Linköping University.

Karlsson, S and H. Selin. 1999. Selecting Persistent Organic Pollutants (POPs) for Global Regulatory Actions — Reflections on the role of socio-economic criteria. Environmental Policy and Society, Working Papers no 8. Linköping: The Tema Institute, Linköping University.

Karlsson, S. (ed.) 1997. “Managing Common Resources — Applying Theory Across Scales. Environmental Policy and Society”, Research report no. 9. Linköping: The Tema Institute, Linköping University.

Karlsson, S. 1997. Introductory Chapter Managing Common Resources — Applying Theory Across Scales, in: Karlsson, S. (ed.). “Managing Common Resources — Applying Theory Across Scales. Environmental Policy and Society”, Research report no. 9. Linköping: The Tema Institute, Linköping University.

Teaching and lecturing experience

2007- Co-coordinator of the energy module in certificate course “Environmental Diplomacy” organised by the University of Geneva and the United Nations Environment Programme. The course trains mid-career diplomats from around the world.

2007-2008. Curriculum developer and lecturer in Turku School of Economics Master’s course “Sustainable Futures: Environment, Culture, Society, Economy”.

2006. SPRU, Sussex University. Lecture on energy discussions in the UN.

2006. February. Tampere College. Lecture on global environmental governance.

2003 February – June. Landegg International University, Switzerland. Master’s course “Challenges of Multilayered Sustainable Development Governance”. Developing and teaching a 3 credit distance learning course with one week on campus.

2002 October. Centre for Development Studies, Bonn University. Public Lecture. “Targets, Timetables and/or Partnerships—The Story of the Johannesburg Summit”.

2001 September. Universidad Nur campus in La Paz and St. Cruz de la Sierra (Bolivia). Master’s course on sustainable development. Giving lectures (in Spanish) on common property resources management of local resources and global commons.

1998 and 1999. Autumn term. Uppsala University. Department of Ecotoxicology. Graduate course in Ecotoxicology. Planning and carrying out a full day seminar on tropical ecotoxicology. This included introductory lecture, followed by in-depth discussion seminars on pre-assigned text material reflecting natural science, political, legal, ethical and economic perspectives on pesticide use in developing countries.

1999. Spring term. Linköping University. Undergraduate course in environmental management. Giving lectures and leading discussion seminars on environmental issues in developing countries.

1998. January. Finnish Baha’i Community National Conference. Leading a full day seminar on ethical dimensions of Agenda 21 and sustainable development. Giving key note lecture, preparing parallel workshops on various chapters of Agenda 21, and leading synthesis discussions.

1997. April. United Nations Association of Sweden, District of Östergötland. Planning and leading a weekend course for youth (16-18 years) on the United Nations System and international issues.

1996. Jan-May. United Nations Association of Sweden, Linköping. Leading a weekly study circle for adults on the United Nations System and conflict resolution.

1995. July. Swedish Baha'i Community National Conference. Leading a week-long study circle on United Nations Reform and Global Governance.

1994/95. Scandinavia. Holding information seminars for NGOs and local government agencies in Sweden, Norway and Denmark on the World Summit on Social Development.

1994. Autumn term. Uppsala University. Biomedicine Centre. Undergraduate course in cellular biology. Preparation and instruction of experiments in the laboratory, leading follow-up seminars and correcting lab reports.

1992-1993. Giving a number of lectures on the outcome of the United Nations Conference on Environment and Development (UNCED), including Agenda 21, to various local and national NGO audiences such as the Red Cross and the United Nations Association.

NGO work and positions of trust

2007- . Trustee in the Board for the One World Trust, a UK based charity.
See www.oneworldtrust.org

1997 - 2003. International Environment Forum (IEF)*, General Secretary.

Duties include: Execute the decisions of the Governing Board, human resource management, co-ordinate working groups, handle all correspondence with members, prepare Board meetings and the Annual General Assembly, write the annual reports, editor of newsletter, lead organiser of some of the Annual Conferences (the Netherlands, 1997 and 1998, United Kingdom 1999, United States 2000, Czech Republic 2001, South Africa 2002, Greece 2004), represent the organisation in the WSSD process including attending PrepCom III, IV and at the Summit itself lead the IEF Delegation which had 11 members.

* IEF is an NGO for the environment and sustainable development with members in over 40 countries. IEF was accredited to the World Summit on Sustainable Development (WSSD) as a scientific NGO.

1996-2000 Swedish United Nations Association, Linköping Branch. Member of Board. Chairman 1997, 1999-2000.

Duties included: Leading the organisation's work, managing human and financial resources, networking with other NGOs, governmental agencies and the media, representing the local branch at the national level of the organisation, planning activities, leading study circles and weekend courses for youth and adults on UN issues.

1994-1995 Six months. Baha'i Office of Information, Copenhagen. Task-Force Member.

Duties included: Planning and implementation of the Baha'i International Community's activities and involvement in the World Summit for Social Development and the parallel NGO Forum '95. This included strategic planning, co-ordinating tasks, supervising working groups, and managing the work of the over 200 volunteers attending the Summit.

1992. June. Swedish Baha'i Community. Representative at the Global Forum 92' the NGO conference parallel to United Nations Conference on Environment and Development, Rio de Janeiro.
Duties included: Representing at seminars, networking, and follow-up information activities in Sweden.

1990-1993. Swedish Nature Protection Association (SNF). Member of local Board (Treasurer).

Duties included: Budgeting, book-keeping, co-operating with conservation groups in the region, programme planning and implementation including excursions, public lectures and debates.

Developing country experience

Through education, research, work and NGO work I have spent more than 14 months in developing countries including: Bolivia, Brazil, Chile, Costa Rica, India, Indonesia, Kenya, South Africa, Tanzania, Thailand, Uganda and Vietnam.

Memberships in networks and organizations

2007-2009. Associate Member of the Club of Rome

2005- Member of the Global Transition Initiative network (with the hub at the Tellus Institute, Boston).

2005- Member of the Network for Science and Technology for Sustainability (with the hub at Harvard University).

2004-2007 Member of tt30, the young think tank of the Club of Rome.

1999- Member of the Academic Council on the United Nations System (ACUNS).

1997- Member of the International Environment Forum (IEF).

1996-2000. Member of Host Families for International Visitors at Linköping University.

1989-2001. Member of the United Nations Association of Sweden.

1989-1995. Member of Swedish Nature Protection Association.

Early 1980s and early 1990s. Member of the Swedish Red Cross.