

Anne-Sophie Crépin

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The Royal Swedish Academy of Sciences, Box 50005, 10405 Stockholm Sweden
and Research Team Leader Stockholm Resilience Centre, Stockholm University
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Born 1970-05-02 in Roubaix (France), Swedish and French nationality

EDUCATION

2017 Docent, Department of Economics, Stockholm University.
2002 PhD, Department of Economics, Stockholm University: *The Economics of Ecosystems*, Main supervisor, Martin Dufvenberg, Cosupervisor, Karl-Göran Mäler.

CURRENT POSITIONS

October 2009-now Deputy Director of the Beijer Institute of Ecological Economics (www.beijer.kva.se),
2016- Member of the Strategic Advisory Committee of the Stockholm Resilience Centre

PAST POSITIONS

2010-2016 Research Team leader for the “Global and cross-level dynamics in social-ecological systems” at Stockholm Resilience Centre (joint with Victor Galaz)
2009-2017 Program director of the “Global Dynamics and Resilience” program and executive member in the steering group of Changing Planet (<http://www.changingplanet.se/>)
2011-2015 Research group leader, work package co-leader, task leader and member of the Steering Committee within the 7th EU Framework project Arctic Climate Change Economy and Society (ACCESS).
2009-2011 Research group leader, and member of the Steering Committee within the 7th Framework EU project Arctic Tipping Points.
2006-2010 Researcher: *Center of excellence*, Beijer Institute and Stockholm Resilience Centre from 2007.
2003-2005 Researcher: *Operationalizing sustainable development*, Beijer Institute.
2001- 2003 Research Assistant: *Economic analysis of non-linear dynamics in boreal forests*, Beijer Institute
June 99-2000 Research Assistant: *Resilience of Ecosystems, Economics, and Institutions*. Beijer Institute.
Oct 98-May 99 Research Assistant: *Ecological-Economic Analysis of Wetlands: Functions, Values and Dynamic* (ECOWET), running in the period of 1 June 1996-31 May 1999. Research initiative related to the Global Wetlands Economics Network (GWEN). Beijer Institute.
Dec 96-Aug 97 Research Assistant: *Green Taxes: Environment, Employment and Growth*. Beijer Institute.

TEACHING EXPERIENCE

January 2015, 2016, 2017 Lecturer for the course module 7 “Challenges of Environmental Decision Making” (4 hp), Masters in Social-Ecological Resilience for Sustainable Development, Course: Governance and Management of Social-ecological Systems (BL8050)

January 2013-2014 Course organizer and lecturer for the course module 7 “Challenges of Environmental Decision Making” (4 hp), Masters in Social-Ecological

	Resilience for Sustainable Development, Course: Governance and Management of Social-ecological Systems (BL8050)
<i>March 2001-2016</i>	Lecturer for the course “Ecology and Environmental Management”, PhD course for economists given at the Beijer Institute in collaboration with the Environmental Economics Unit of the University of Gothenburg. Joint course organizer since 2012. The course is given every second year.
<i>October 2012</i>	Lecturer for the PhD course in Bioeconomics within the NORMER program (Helsinki)
<i>June 2012</i>	Course organizer and lecturer (shared) for the Sida financed PhD course Regime shifts, held at the annual conference of the European Association of Environmental and Resource Economists in Prague.
<i>June 2012</i>	Course organizer and lecturer (shared with Eric Naevdal) for the PhD course Introduction to Advanced Topics in Dynamic Resource Economics, Umeå University
<i>January 2012</i>	Course organizer and lecturer (shared with Therese Lindahl) for the course module 7“Challenges of Environmental Decision Making” (4 hp), Masters in Social-Ecological Resilience for Sustainable Development, Course: Governance and Management of Social-ecological Systems (BL8050)
<i>2008 and 2010</i>	Course organizer and lecturer (shared) for the PhD course the Economics of the Environment given in collaboration between the department of economics at Stockholm University, the Beijer Institute and the Stockholm Resilience Center
<i>Spring 2003-2004</i>	Lecturer and Resource person for The First School on Ecological Economics, Abdus Salam Center for Theoretical Physics Trieste Italy.
<i>Fall 2003</i>	Course organizer and lecturer together with Karl-Göran Mäler for a PhD Course in Capital Theory for Economists.
<i>Fall 2001-now</i>	Introduction lectures in environmental and natural resource economics for undergraduate students. (about two per year)
<i>2000-2001</i>	Teaching assistant in environmental economics for advanced undergraduate at Stockholm University.
<i>Sept-Oct 1998</i>	Teaching assistant in microeconomics for undergraduate at Stockholm University.

OTHER

<i>2017</i>	Member of the scientific committee for the conference of the European Association of Environmental and Resource economists, June 2017, Athens, Greece.
<i>2016</i>	Member of the scientific committee for the conference of the European Association of Environmental and Resource economists, June 2016, Zurich, Switzerland.
<i>2015</i>	Member of the scientific committee for the conference of the European Association of Environmental and Resource economists, June 2015, Helsinki, Finland.
<i>2014</i>	Member of the scientific committee for the World congress of Environmental and Resource economists, June 2014, Istanbul, Turkey.
<i>2013</i>	Member of the scientific committee for the Resilience 2014 conference, Montpellier, France.
<i>2013</i>	Member of the scientific committee for the conference of the European Association of Environmental and Resource economists, Toulouse, France.
<i>2012</i>	Member of the scientific committee for the conference of the European Association of Environmental and Resource economists, Prague, Czech Republic.

2010	Member of the scientific committee for the Resilience 2011 conference, Tempe, Arizona, USA.
2010	Member of the scientific committee for the Arctic Frontiers conference on Arctic Tipping Points, January 2011 Tromsø, Norway.
2010	Member of the scientific committee for the World congress of Environmental and Resource economists, June 2010, Montreal Canada.
2010-2013	Ledamot, styrelsen för Stiftelsen för Internationella Institutet för Industriell Miljöekonomi vid Lunds Universitet.
2010-2012	Ledamot, Expertgruppen för miljöstudier, a committee under the Department of Finance in Sweden.
2009	Reference group member for Expertgruppen för miljöstudier
2008-2011	Council member of the European Association of Environmental and Resource Economists
2009	Member of the nomination committee for the Erik Kempe Award 2007-2008
2006-2007	Reference group member for the CGIAR/Sida
2006	Reference group member for Centrum för miljövetenskaplig forskning in Umeå
2004	Organizing Seminars at the Beijer Institute
2000-2002	Member of the group of PhD students at the Centre for Transdisciplinary Environmental Research, main task was to organize the seminar series "Vardagsakademien"

LEAVE OF ABSENCE

2012-2014	work 90%
Jun 2008-2011	work 80%
Apr2008-Aug 2008	work 50%
Jul 2007-Mar 2008	Maternity Leave with Hugo 100%
Jan 2006-aug 2006	work 80%
Aug 2005-Dec 2005	work 50%
Nov 2004-Aug 2005-	Maternity leave with Erik 100%

AWARDS

2003	<i>The Arnberg Prize from the Swedish Academy of Sciences.</i>
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REFEREE WORK

Ambio, American Journal of Agricultural Economics, Bioscience, Contemporary Economic Policy, Ecological Bulletin, Ecological Economics, Ecology and Society, Environment and Development Economics, Environmental and Resource Economics, International Economic Review, International Journal of Sustainable Development & World Ecology, Journal of Bioeconomics, Journal of Economic Dynamics and Control, Journal of Environmental Economics and Management, Resource and Energy Economics, Journal of Theoretical Biology, Nature Ecology and Evolution, Nature Human Behavior, Polar Record, Proceedings of the National Academy of Sciences (PNAS).

SUPERVISION WORK

Currently co supervisor of:

- **Daniel Ospina**, PhD candidate at Stockholm Resilience Centre, Stockholm University.
- Completed: **Mintewab Bezabih** (PhD in April 2007, Gothenburg University, co supervisor), **Gustav Engström**, (PhD in September 2012, Department of Economics and Stockholm Resilience Centre, Stockholm University, co supervisor), **Caroline**

Schill, (PhD 17 May 2017, Stockholm Resilience Centre, Stockholm University, co supervisor.

Undergraduate students, main supervisor of:

- **Alexandra Andersson-Stråberg** Magister i nationalekonomi (10 poängsuppsats på 80 poängsnivå, G) 2000.
- **Johanna Jussila** Magister i nationalekonomi (10 poängsuppsats på 80 poängsnivå, VG) 2000
- **Marie-Pierre Ducourant** and **Anne Vuichard** joint thesis (10 poängsuppsats på 60 poängsnivå, ERASMUS, G) 2001
- **Katarina Heissenberger** (MSc), Stockholm Resilience Centre 2007
- **Sophie Gripenberg**, Master in Social-Ecological Resilience for Sustainable Development, Course: Governance and Management of Social-ecological Systems (BL8050), Stockholm Resilience Centre, Stockholm University 2017.

EXAMINATION COMMITTEES

Scott Cole, fil Lic. May 2010. Center for Environmental and Resource Economics, Umeå University.

Scott Cole, PhD, May 2012. Center for Environmental and Resource Economics, Umeå University.

Shyam Ranganathan, PhD November 2015. Mathematical department, Uppsala University.

Emilie Lindkvist, PhD May 2016. Stockholm Resilience Centre, Stockholm University, (Reserve)

Jamila Haider, PhD September 2017. Stockholm Resilience Centre, Stockholm University.

PUBLICATIONS

Peer reviewed articles in international journals

Crépin, A.-S., M. Karcher and J.-C. Gascard. 2017. Arctic Climate Change, Economy and Society (ACCESS): Integrated perspectives. *Ambio* 46, Supplement 3: S341–S354, 2017

Crépin, A.-S., Å. Gren, G. Engström and D. Ospina. 2017. Operationalising a social-ecological system perspective on the Arctic ocean. *Ambio* 46 Supplement 3: S475–S485.

Gascard, J.-C., A.-S. Crépin, M. Karcher, and O.R. Young (ed.). 2017. Arctic Climate Change, Economy and Society (ACCESS). *Ambio* 46, Supplement 3: S339–S496.

Nyborg, K., J. M. Anderies, A. Dannenberg, T. Lindahl, C. Schill, M. Schlüter, W. N. Adger, K. J. Arrow, S. Barrett, S. Carpenter, F. S. Chapin III, A.-S. Crépin, G. Daily, P. Ehrlich, C. Folke, W. Jager, N. Kautsky, S. A. Levin, O. J. Madsen, S. Polasky, M. Scheffer, B. Walker, E. U. Weber, J. Wilen, A. Xepapadeas, A. de Zeeuw. (2016). Social norms as solutions. *Science*, 354(6308), 42-43.

Lindahl, Therese, Anne-Sophie Crépin and Caroline Schill, 2016, Potential disasters a can turn the tragedy into success, *Environment and Resource Economics*, 65(3), 657-676, DOI 10.1007/s10640-016-0043-1. <http://rdcu.be/nqET>

Thomas Homer-Dixon, Brian Walker, Reinette Biggs, Anne-Sophie Crépin, Carl Folke, Eric Lambin, Garry Peterson, Johan Rockström, Marten Scheffer, Will Steffen, Max Troell. 2015. Synchronous Failure: The emerging causal architecture of global crisis, *Ecology and Society*, 20(3): 6.

- Crépin, Anne-Sophie and Carl Folke, 2015 The Economy, The Biosphere and Planetary Boundaries: Towards Biosphere Economics, *International Review of Environmental and Resource Economics*, 2015, 8: 1–42
- Schill, C., T. Lindahl and A.-S. Crépin. 2015. Collective action and the risk of ecosystem regime shifts: insights from a laboratory experiment. *Ecology and Society* 20 (1): 48. [online] URL: <http://www.ecologyandsociety.org/vol20/iss1/art48/>
- Barrett, Scott, Timothy M. Lenton, Antony Millner, Alessandro Tavoni, Stephen Carpenter, John M. Anderies, F. Stuart Chapin III, Anne-Sophie Crépin, Gretchen Daily, Paul Ehrlich, Carl Folke, Victor Galaz, Terry Hughes, Nils Kautsky, Eric F. Lambin, Rosamond Naylor, Karine Nyborg, Stephen Polasky, Marten Scheffer, James Wilen, Anastasios Xepapadeas and Aart de Zeeuw, *Climate Engineering Reconsidered*, *Nature Climate change* pp 527-529
- Troell, Max, Rosamond L. Naylor, Marc Metian, Malcolm Beveridge, Peter H. Tyedmers, Carl Folke, Kenneth J. Arrow, Scott Barrett, Anne-Sophie Crépin, Paul R. Ehrlich, Åsa Gren, Nils Kautsky, Simon A. Levin, Karine Nyborg, Henrik Österblom, Stephen Polasky, Marten Scheffer, Brian H. Walker, Tasos Xepapadeas, and Aart J. de Zeeuw (2014) Does aquaculture add resilience to the global food system? *Proceedings of the National Academy of Sciences*, Online August 18.
- Das, S and Crépin, A.-S. (2013) Mangroves can provide protection against wind damage during storms *Estuarine, Coastal and Shelf Science*, Volume 134, 1 December 2013, Pages 98–107.
- Levin, S. , Xepapadeas, A. , Crépin, A.-S., Norberg, J, de Zeeuw, A., Folke, C., Hughes, T. , Arrow, K. , Barrett, S., Daily, G. , Ehrlich, P., Kautsky, N. , Mäler, K.-G., Polasky, S, Troell, M., Vincent, J.R. and B. Walker. Social-ecological systems as complex adaptive systems: modeling and policy implications, *Environment and Development Economics*,18(2):111-132 (April 2013)
- Carpenter, S.; Arrow, K.; Barrett, S.; Biggs, R.; Brock, W.; Crépin, A.-S.; Engström, G.; Folke, C.; Hughes, T.; Kautsky, N.; Li, C.; McCarney, G.; Meng, K.; Mäler, K.; Polasky, S.; Scheffer, M.; Shogren, J.; Sterner, T.; Vincent, J.; Walker, B.; Xepapadeas, A.; Zeeuw, A. General Resilience to Cope with Extreme Events. *Sustainability* 2012, 4(12), 3248-3259; doi:10.3390/su4123248. <http://www.mdpi.com/2071-1050/4/12/3248>
- Crépin, A.-S., Biggs, R., Polasky, S., Troell, M and de Zeeuw, A., (2012) Regime shifts and management, *Ecological Economics* 84:15-22.
- Walker, B. H., S. R. Carpenter, J. Rockstrom, A.-S., Crépin and G. D. Peterson. 2012. Drivers, "Slow" Variables, "Fast" Variables, Shocks, and Resilience. *Ecology and Society* 17 (3): 30. [online] URL: <http://www.ecologyandsociety.org/vol17/iss3/art30/>
- Crépin, A-S, J. Norberg and K-G. Mäler, 2011, Coupled economic-ecological systems with slow and fast dynamics — Modelling and analysis method, *Ecological economics* 70(8):1448-1458
- Folke, Carl, Åsa Jansson, Johan Rockström, Per Olsson, Stephen Carpenter, Anne-Sophie Crépin, Gretchen Daily, Jonas Ebbesson, Thomas Elmqvist, Victor Galaz, Fredrik Moberg, Måns Nilsson, Henrik Österblom, Elinor Ostrom, Åsa Persson, Stephen Polasky, Will Steffen, Brian Walker, and Frances Westley, 2011, Reconnecting to the Biosphere *Transforming the World in an Era of Global Change*, *AMBIO* 40(7):719-738.
- Crépin, A.-S. and T. Lindahl, 2009, Grazing Games *Environmental and Resource Economics*, 44:29-46.
- Crépin, 2007, Using Fast and Slow Processes to Manage Resources with Thresholds, *Environmental and Resource Economics*, 36:191-213. Citations 45

- Chapin, Hoel, Carpenter, Lubchenco, Walker, Callaghan, Folke, Levin, Mäler, Nilsson, Barrett, Crépin, Danell, Rosswall, Starrett, Xepapadeas, 2006, Building Resilience and Adaptation to Manage Arctic Change, *Ambio* 35(4), pp 198-202.
- Crépin, 2005, Incentives for Wetland Creation. *Journal of Environmental Economics and Management*. 50, pp 598-616.
- Chapin, Peterson, Berkes, Callaghan, Angelstam, Apps, Beier, Bergeron, Crépin, Elmqvist, Folke, Forbes, Fresco, Juday, Niemelä, Shvidenko, Whiteman, 2004 Resilience and Vulnerability of Northern Regions to Social and Environmental Change, *Ambio*, 33:344-349.
- Elmqvist, Berkes, Folke, Angelstam, Crépin, Niemelä, 2004, The Dynamics of Ecosystems, Biodiversity Management and Social Institutions at High Northern Latitudes, *Ambio* 33:350-355.
- Crépin, 2003, Multiple Species Boreal Forests - What Faustmann Missed *Environmental and Resource Economics* 26(4): 625-646.

Books or chapters in books with international coverage.

- Lindahl, Therese, Oreskovic, Nikolina, and Anne-Sophie Crépin (2016) Playing safe: the role of quotas to avoid ecosystem regime shifts Chapter 1 in *The WSPC Reference of Natural Resources and Environmental Policy in the Era of Global Change. Experimental Economics* Vol 4. Editor in chief Ariel Dinar
- Crépin, A-S., O. Biggs, S. Polasky, M. Troell and A. de Zeeuw, 2013, "Regime Shifts and Management". In Shogren, J. *Encyclopedia of Energy, Natural Resource and Environmental*, Ch 155. Elsevier.
- Crépin, A-S. (2011), Askö 1997: Comment by Anne-Sophie Crépin, Chapter 18 in Söderqvist, Sundbaum, Folke and Mäler, Eds, *Bringing Ecologists and Economists Together, The Askö Meetings and Papers*, Springer.
- Chapin, Berman, Callaghan, Convey, Crépin, Danell, Ducklow, Forbes, Kofinas, McGuire, Nuttall, Virginia, Young, Zimov, Christensen, Godduhn, Wall, and Christoph Zockler, 2005, Polar Systems, Chapter 26 in Millenium Ecosystem Assessment, *Ecosystems and Human Well-Being: Current State and Trends*, Vol 1.

Proceedings and other reports in English

- Havenhand, J., A.-S. Crépin, H.L. Filipsson, S. Jagers, D. Langlet, S. Matti, S. Niiranen, M. Troell, L.G. Anderson. 2017. Acidification of Swedish seas in a changing environment: causes, consequences, and responses – an interdisciplinary review of current knowledge, knowledge gap, and implementation needs. Report of the Environmental committee of the Royal Swedish Academy of Sciences. [Available online](#)
- Crépin, A-S, G. Engström, Å. Gren and D. Ospina, 2015, *Conditions for integrated ecosystem based management in the Arctic*, deliverable D5.71 of the European Union FP7 project nr 265863 Arctic Climate change Economy and Society
- Lindahl, T., A-S Crépin and N. Oreskovicz, 2015, *Results from field experiments in the Arctic*, deliverable D3.51 of the European Union FP7 project nr 265863 Arctic Climate change Economy and Society
- Petrick, S. Ed. 2015, Indicators for sustainable development deliverable D4.71 of the European Union FP7 project nr 265863 Arctic Climate change Economy and Society. (Crépin lead author for section 1 and 7).
- Crépin, A.-S., S. Petrick, E. Morgenroth, M. André, A. Eide, Ø. Hermansen, J. Isaksen, T. Lindahl, A. Stammmer-Gossman and M. Troell 2014, *Indicators for sustainable development in the Arctic fisheries sector*, deliverable D3.71 of the European Union FP7 project nr 265863 Arctic Climate change Economy and Society
- Cornell, S.E., Forbes, B. C., McLennan, D., Molau, U., Nuttall, M., Overduin, P., Wassman, P., Carmack, E., Crépin, A-S., Heleniak, T., Jeppesen, E., Johansson, M., Jorgenson, T., Koivurova, T., Nilsson, A.E., Rasmussen, R.O., Young, O. 2013. Thresholds in the Arctic. In: Arctic Resilience - Interim Report 2013, Nilsson, A., Axelsson, K.,

- Carson, M., Cornell, S.E., Molau, U. Wilkinson, C. (eds.) Stockholm Environment Institute/Arctic Council, 36-70
- Lindahl, Crépin and Schill, 2012, Managing resources with potential regime shifts: Using experiments to explore social-ecological linkages in common resource systems. Beijer Discussion Paper 232.
- Anne-Sophie Crépin, Brian Walker, Stephen Polasky, Will Steffen, Victor Galaz, Carl Folke, and Johan Rockström (2011) *GLOBAL DYNAMICS, MULTIPLE SHOCKS, AND RESILIENCE Planetary stewardship and catastrophic shifts in the Earth system* Beijer Discussion paper 228
- Crépin & Jayet, *Set-aside requirements versus production quotas in agro-environmental regulatory contracts*, Beijer Discussion Paper No. 169, Stockholm.
- Crépin, 2003, Threshold Effects in Coral Reef Fisheries *Nota di Lavoro* 107.2003.
- Crépin, 2003, Management Challenges for Multiple-Species Boreal Forests, *Nota di Lavoro* 106.2003.
- Crépin, 2002, *Tackling the economics of ecosystems*, Dissertation in economics 2002:6, Department of Economics, Stockholm University. PhD Thesis.

Articles in newspapers

- Troell, M., L. Deutsch, T. Lindahl, A-S. Crépin, P. Henriksson och M. Metian, *Köttätande inte vars och ens ensak*, 3 February 2013, Uppsala Nya Tidning
- Max Troell; Anne-Sophie Crepin; Gustav Engström Klimathotet består, Uppsala Nya Tidning <http://www.unt.se/debatt/klimathotet-bestar-1481424.aspx>, 2011-12-18

Reports and chapters in books solely in Swedish

- Crépin, 2009, “Miljö- och naturresurser”, Chapter 5 in Häckner, Jacobsson and Muren, red. *Tillämpad mikroekonomi*, Studentlitteratur. Second edition
- Boyd, Crépin, Galaz (Coordinator), Lindgren, Norberg and Olsson, 2007, Klimatförändringar och resiliens – underlagsrapport till Klimat- och sårbarhetsutredningen (Dir 2005:80).
- Crépin, 2000 “Miljö- och naturresurser”, Chapter 7 in Dufvenberg, Isaksson and Lundholm, red. *Tillämpad mikroekonomi*, Studentlitteratur. Second edition

CONFERENCES AND WORKSHOPS

- EAERE-AERE* Participation in Venice 1998, Southampton 2001, Monterey 2002, Bilbao 2003, Budapest 2004, Kyoto 2006, Göteborg 2008, Amsterdam 2009, Montreal 2010, Rome 2011, Prague, 2012, Istanbul 2014, Helsinki 2015, Zurich, 2016.
- Ulvö conferences on Environmental Economics, Sweden, 1999-2004, 2012, 2013, 2017.
- 21 Sept 2017 Conference presentation: *Remittances can reduce the potential for forest transitions* BIOECON 2017 Tillburg, the Netherlands

- 22 June 2017 Conference presentation: *Operationalising a social-ecological systems perspective on the Arctic Ocean*, Ulvön conference, Sweden.
- 23 June 2016 Conference presentation: *Price versus quantity with hysteretic regime shifts* Annual conference of the Association of Environmental and Resource Economists, Zurich, Switzerland, June 2016.
- 27 June 2015 “Inertia risk: accounting for delayed impacts in catastrophic risk structures and implications for policy”, Joint paper with Eric Nævdal, EAERE 2015 in Helsinki, Finland.
- September 2015 Workshop coorganiser and participant: *Global Dynamics, Feedbacks and 'Telecouplings' - Taking Stock and Moving Forward*, **Vår Gård, Saltsjöbaden**, Sweden.
- September 2015 Askö 2015 meeting on *Keystone Actors in the Anthropocene*, Askö and KVA, Stockholm, September 2015. Participant.
- 2 october 2015 “Conditions for integrated ecosystem based management in the Arctic” Presentation at CCS’15, Conference on Complex Systems in Tempe Arizona, US.
- 13-15 Sept 2014 Askö meeting on “Social Norms, Multiple Equilibria, and the Environment”, Askö, Sweden
- 2-5 June 2014 Workshop on Behaviour Economics and Nature Network, Stockholm Sweden.
- 27-29 Apr 2014 Workshop on Complex systems, plenary presentation, Stockholm Sweden
- 14-16 Sept 2013 Askö meeting on “Geoengineering, Thresholds, and the Anthropocene”, Askö Sweden
- 27-29 May 2013 Fourth workshop on Global dynamics and resilience, workshop organizer.
- 8-10 Sept 2012 Askö meeting on “Diversity, simplification, and tipping points – efficiency versus security in global food production”, Askö Sweden
- 21-22 Sept 2011 Third workshop on Global dynamics and resilience, workshop organizer.
- 17-19 Sept 2011 Askö meeting on “Food security and aquaculture development in a globalized world - links and tradeoffs between marine and terrestrial production systems”, Askö Sweden
- 31 May 2011 *The Arctic and the EU*, Stockholm. Invited presentation.
- March 2011 Stakeholder workshop organized by Mistra Arctic Futures and the Canadian Embassy in Stockholm, Plenary presentation
- 26-28 Jan 2011 Arctic Frontiers conference on Arctic Tipping Points in Tromsø Norway, Invited presentation and part of the convening committee.
- Sept 2010 *Fat-tails*, The 18th Askö Meeting, Askö Sweden
- 12-14 Sep 2009 *Uncertainty*, The 17th Askö Meeting, Askö, Sweden.
- April 2008 Resilience 2008, Stockholm.
- 9-11 Sep 2006 *Forecasting the ecological and economic consequences of a perturbation of ecosystem*, The 14th Askö Meeting, Askö, Sweden.
- SURED 2006 Monte Verità, Zurich Switzerland
- 4-6 Sep 2003 *Economic and Ecological Resilience in Arctic Areas*, The 12th Askö Meeting, Abisko Research Center, Sweden.
- 15-21 Apr 2004 “2nd Workshop on Spatial Dynamic Models of Economics and Eco-Systems” followed by “Workshop on Spatial Aspects of Reserve Design Optimization under Economic Constraints”, Abdus Salam Center for Theoretical Physics Trieste, Italy

- 6-8 Sep 2003 *Spatial heterogeneity in economic and ecological systems*, The 11th Askö Meeting, Askö, Sweden.
- 10-21 Feb 2003 Conference on *Theoretical topics in Ecological Economics*, Trieste, Italy.
- 31Jan-2Feb 2003 *High-Latitude Sustainability Workshop*, Stockholm, Sweden
- 18-20 April 2002 *Spring Meetings for Young Economists*, Paris, France
- 3-5 May 2000 Meeting of the Theory group of the Resilience Network, Belize.
- 27 jan- 4 feb2000 Visiting Researcher at Centre INRA de Plaisir-Grignon, France. Research work with Pierre-Alain Jayet
- 17-18 May 1999 Final meeting *Ecological-Economic Analysis of Wetlands (ECOWET)*, Lesbos, Greece.
- 28-29 April 1997 Workshop *Politics and Economics of Baltic Sea Environmental Regulation Enforcement*, Stockholm.

INVITED SEMINARS AND LECTURES

- 23 Sept 2017 Invited plenary workshop presentation *Operationalising a social-ecological systems perspective on the Arctic Ocean*. Workshop “Marine ecological-economic systems: Shifting the baseline to a regime of sustainability” Tillburg, the Netherlands
- 21 Sept 2017 Invited plenary Panel presentation: *Regime shifts and common property: the challenges* BIOECON 2017 Tillburg, the Netherlands.
- 22 Aug 2017 Invited presentation: *Building Resilia*, Introduction to contributed session, Resilience 2017, Stockholm Sweden.
- 11 December 2015 Invited plenary seminar: *Effets de seuil et changements de régime: implications pour la politique économique*, given on December 11, 2015 at Collège de France, Paris, France, within Thomas Sterner’s open course *Pour une politique économique de l’environnement: une approche conceptuelle*
- 17 January 2015 Invited Plenary lecture at the Luleå Technical University PhD workshop in economics, Sigtuna, Sweden.
- 22 October 2014 Invited keynote lecture at the EfD conference in Dar es Salaam Tanzania.
- 17 October 2013 Invited seminar at the department of economics, University of Umeå, Sweden.
- March 2011 Invited presentation at the Stakeholder workshop organized by Mistra Arctic Futures and the Canadian Embassy in Stockholm
- 20 May 2010 Invited seminar at Center for Environmental and Resource Economics, in Umeå, Sweden on “Poverty traps, economic growth and climate change - what if life support systems become vulnerable?”
- April 2010 Keynote lecture: “Policy challenges linked to ecosystem thresholds and global change” given at the 20th International Climate Policy Workshop, Stockholm University
- March 2010 7th EU Framework project Arctic Tipping Points yearly meeting
- Jan 2010 Invited seminar at Center for Nonlinear Dynamics in Economics and Finance, Amsterdam, the Netherlands.
- 20 Nov 2009 Invited seminar at the Department of Economics, Stockholm School of Economics, Sweden.
- 16-17 Sep 2009 Conference under the Swedish EU presidency organized by the Swedish Environmental Protection Agency "The value of our marine environment", invited plenary speaker and participation in a panel discussion with Karl-Göran Mäler, Steve Polasky and Sybille van der Hove.

- 26-28 March 2009 7th EU Framework project Arctic Tipping Points Kick-off meeting
19 Feb 2009 Invited seminar at Department of Economics, Gothenburg University, Sweden.
- 6 Jan 2009 *The Economics of complex ecosystems: an overview*. Invited presentation at, the 10-years of CeNDEF workshop, CeNDEF, Amsterdam, The Netherlands.
- 20 apr 2007 Invited seminar, Department of Economics, Swedish University of Agricultural Sciences, Ultuna, Sweden.
- 25 okt 2006 *Integrating Economic and Ecological Models - The Economics of Ecosystems With Thresholds*, invited presentation for a symposium on Modelling socio-natural systems with focus on the Baltic Regions organized by the Swedish IIASA committee at Naturvårdsverket, Sweden.
- 16 okt 2003 *Ekosystemperspektiv i Ekonomi*, Invited presentation Forskardagarna, Stockholm University, Sweden.
- 27 nov 2002 *Threshold Effects in Coral Reef Fisheries*, Invited seminar at the Department of Economics, Swedish University of Agricultural Sciences, Ultuna, Sweden.
- 7 nov 2002 Miljöforskningsdagen, Invited presentation Stockholm University, Sweden.
- 14 mar 2002 *Fishing and Nonlinear Dynamics in Coral Reefs*, Invited seminar, Department of Economics, Gothenburg University, Sweden.
- 17 jan 2002 *Management Models for Multi-Species Boreal Forests*, Invited seminar, Department of Forest Economics, Swedish University of Agricultural Sciences, Umeå, Sweden
- feb2000 *Incentives for Wetland creation* invited seminar at Centre INRA de Plaisir-Grignon, France.

Mentorship of post-doctoral fellows

Mäler Scholars Zanzin Wang (2011), Saudamini Das (2012), Claudia Aravena (2016), and Herbert Ntuli (2017)

Experience of communicating results with stakeholders/end users

- 16 February 2016 Public lecture and panel discussion “Vetenskap, teknologi och mänsklighetens framtid”: discussion on the book Häggström, Olle, 2016, *Here Be Dragons: Science, Technology and the Future of Humanity*, Oxford University Press. Panelist together with Olle Häggström, Hannes Sjöblad and Karim Jebari. Institutet för Framtidsstudier, Stockholm.
- 11 June 2014 Dialogue on OECD:s Environmental Performance Review of Sweden Swedish Ministry of the Environment, Rosenbad, Stockholm Panel participant with Lena Ek, Simon Upton, Michael Treschow, Per Engdahl, and Håkan Wirtén.
- 31 May 2011 *The Arctic and the EU*, Stockholm. Invited presentation. Conference organized by the French Embassy in Sweden and Finland, the Stockholm Association of International Affairs and the University of Lapland
- 16-17 Sep 2009 Conference under the Swedish EU presidency organized by the Swedish Environmental Protection Agency "The value of our marine environment", invited plenary speaker and participation in a panel discussion with Karl-Göran Mäler, Steve Polasky and Sybille van der Hove.
- 25 okt 2006 *Integrating Economic and Ecological Models - The Economics of Ecosystems With Thresholds*, invited presentation for a symposium on Modelling socio-natural systems with focus on the Baltic Regions

organized by the Swedish IIASA committee at Naturvårdsverket,
Sweden.

16 okt 2003

Ekosystemperspektiv i Ekonomi, Invited presentation Forskardagarna,
Stockholm University, Sweden.

7 nov 2002

Miljöforskningsdagen, Invited presentation Stockholm University,
Sweden.