

Anne-Sophie Crépin

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Born in Roubaix (France), Swedish and French nationalities.

EDUCATION

- 2017 Associate professor (Docent), [Department of Economics](#), Stockholm University.
- 2002 PhD, [Department of Economics](#), Stockholm University: *The Economics of Ecosystems*, Main supervisor, Martin Dufvenberg, Co-supervisor, Karl-Göran Mäler.
- 1997 BSc in [Urban and Regional Planning](#) Stockholm University Sweden.
- 1992 Diploma from [Sciences Po Strasbourg](#), France, section public service. Equivalent to MSc in Political Sciences
- 1988 Baccalaureat Serie C (Mathematics and natural sciences).

CURRENT POSITIONS

October 2009-now Deputy Director of the [Beijer Institute of Ecological Economics](#)

PAST POSITIONS

- 2003-2010 Researcher: *Center of excellence*, Beijer Institute, affiliated with Stockholm Resilience Centre since 2007.
- Oct 98- 2002 Research Assistant, Beijer Institute.
- Dec 96-Aug 97 Research Assistant, Beijer Institute.

PROJECTS

- 2019-2021 Participant and member of the steering committee (substitute) of the European Fisheries Inventory in the Central Arctic Ocean (EFICA) Consortium, financed by the European Commission.
- 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
- 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 *Center of excellence*, Beijer Institute and Stockholm Resilience Centre from 2007.
- 2003-2005 *Operationalizing sustainable development*, Beijer Institute.
- 2001- 2003 *Economic analysis of non-linear dynamics in boreal forests*, Beijer Institute
- June 99-2000 *Resilience of Ecosystems, Economics, and Institutions*. Beijer Institute.
- Oct 98-May 99 *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 *Green Taxes: Environment, Employment and Growth*. Beijer Institute.

TEACHING EXPERIENCE

- 2015- 2019* 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)
- 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)
- 2001-2016* 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.
- October 2012* Lecturer for the PhD course in Bioeconomics within the NORMER program (Helsinki)
- June 2012* 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.
- June 2012* Course organizer and lecturer (shared with Eric Naevdal) for the PhD course Introduction to Advanced Topics in Dynamic Resource Economics, Umeå University
- January 2012* 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)
- 2008 and 2010* Course organizer and lecturer (shared with Therese Lindahl and Ingela Ternström) 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
- Spring 2003-2004* Lecturer and Resource person for The First School on Ecological Economics, Abdus Salam Center for Theoretical Physics Trieste Italy.
- Fall 2003* Course organizer and lecturer together with Karl-Göran Mäler for a PhD Course in Capital Theory for Economists. Beijer Institute.
- Fall 2001-2010* Introduction lectures in environmental and natural resource economics for undergraduate students. (about two per year)
- 2000-2001* Teaching assistant in environmental economics for advanced undergraduate at Stockholm University.
- Sept-Oct 1998* Teaching assistant in microeconomics for undergraduate at Stockholm University.

OTHER

- 2020-2022* Member of the Council for evidence-based environmental analysis (Rådet för evidensbaserad miljöanalys) under FORMAS.
- 2012-2020* Member of the scientific committee for the Conference of the European association of Environmental and Resource Economists (EAERE). Annually except the years of the World congress.
- 2019* Member of the Prize committee for the award for best paper in 2018 in the Journal Environmental and Resource Economics with Lucas Bretschger.
- Sept 2019-2020* Editor for Ecological economics

<i>February 2019</i>	Member of evaluation committee for a position of Lector in bioeconomics at the faculty of forestry economics at Umeå University Sweden.
<i>2018-</i>	Member of the Swedish National Committee for Global Environmental Change
<i>Aug 2018</i>	Member of evaluation committee for a funding application to the Östersjöstiftelsen.
<i>2018-2020</i>	Member of the environmental research council of the Swedish Environmental Protection Agency (Ledamot i Naturvårdsverkets Miljöforskningsråd)
<i>2016-</i>	Co-opted Member of the Environmental Committee of the Royal Swedish Academy of Sciences
<i>2016-2018</i>	Member of the Strategic Advisory Committee of the Stockholm Resilience Centre, Sweden.
<i>2010-2018</i>	Member of the scientific committee for the World congress of Environmental and Resource economists, every fourth year.
<i>2013</i>	Member of the scientific committee for the Resilience 2014 conference, Montpellier, France.
<i>2010</i>	Member of the scientific committee for the Resilience 2011 conference, Tempe, Arizona, USA.
<i>2010</i>	Member of the scientific committee for the Arctic Frontiers conference on Arctic Tipping Points, January 2011 Tromsø, Norway.
<i>2010-2013</i>	Board member, for the foundation for the International Institute for Industrial environmental economics at Lund University.
<i>2010-2012</i>	Board member in the Expert group for environmental studies, a committee under the Department of Finance in Sweden.
<i>2009</i>	Reference group member for the Expert group for environmental studies
<i>2008-2011</i>	Council member of the European Association of Environmental and Resource Economists
<i>2009</i>	Member of the nomination committee for the Erik Kempe Award 2007-2008
<i>2006-2007</i>	Reference group member for the CGIAR/Sida
<i>2006</i>	Reference group member for Centrum för miljövetenskaplig forskning in Umeå
<i>2004</i>	Organizing Seminars at the Beijer Institute
<i>2000-2002</i>	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

My leaves of absence have all been motivated by the need to take care of my children born in 2004 and 2007 when they were small.

2012-2014 work 90%

Jun 2008-2011 work 80%

Apr 2008-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 *The Arnberg Prize from the Swedish Academy of Sciences.*

REFeree WORK

I review on average about 5 articles per year in total for journals like AMAP Arctic Ocean Acidification, 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, Mature Sustainability, Polar Record, Proceedings of the National Academy of Sciences (PNAS).

SUPERVISION WORK

Currently co supervisor of:

- **Laura Elsler**, PhD candidate at Stockholm Resilience Centre, Stockholm University, expected defence June 2020.
- 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

1. Scott Cole, fil Lic. May 2010. Center for Environmental and Resource Economics, Umeå University.
2. Scott Cole, PhD, May 2012. Center for Environmental and Resource Economics, Umeå University.
3. Shyam Ranganathan, PhD November 2015. Mathematical department, Uppsala University.
4. Emilie Lindkvist, PhD May 2016. Stockholm Resilience Centre, Stockholm University, (Reserve).
5. Jamila Haider, PhD September 2017. Stockholm Resilience Centre, Stockholm University.
6. Anne-Sophie Lafuite, PhD November 2017. SEVAB : Écologie, biodiversité et évolution, Toulouse University, France.

7. Laura Elsler, Licentiate Thesis September 2018. Stockholm Resilience Centre, Stockholm University.
8. Elizabeth Drury O'Neill, PhD November 2018. Stockholm Resilience Centre, Stockholm University, (Reserve).
9. Jean-Baptiste Jouffray, Licentiate March 2019. Stockholm Resilience Centre, Stockholm University.
10. Luigi Piemontese, Licentiate May 2019. Stockholm Resilience Centre, Stockholm University.

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, Gothenburg 2018.

Ulvö conferences on Environmental Economics, Sweden, 1999-2004, 2012, 2013, 2017, 2018.

1-3 October 2019 Advancing Integrated Process-Based Modeling of Complex Socio-Environmental Systems, SESYNC workshop Annapolis, Maryland, USA. Invited participant.

17-19 June 2019 Social Tipping Elements relevant to stay within Planetary Boundaries, Workshop at the GESIS Leibniz Institute for the Social Sciences, Cologne, Germany, Invited participant

20-24 May 2019 Beijer Young Scholar workshop at the Royal Swedish Academy of Sciences Stockholm and Ekskäret, Sweden, Resource person.

- 25-29 June 2018 World Congress of Environmental and Resource Economists, Gothenburg, Presentation on *Economics Resilience and complexity* in Contributed Special session on *Perspectives on Policies for the Anthropocene*.
- 4-6 June 2018 Social Tipping Elements Decisive for the Future of the Anthropocene, Workshop at the GESIS Leibniz Institute for the Social Sciences, Cologne, Germany, Invited participant
- 30May-1June Behaviour, economics and Nature Network Workshop at the Royal Swedish Academy of Sciences Stockholm, Sweden, Participant
- 21-25 May 2018 Workshop Beijer Young Scholars, at the Royal Swedish Academy of Sciences Stockholm and Ekskäret, Sweden, Resource person
- 20-22 April 2018 Workshop: Governance and Complexity, the Beijer Institute of Ecological Economics at the Royal Swedish Academy of Sciences, Stockholm Sweden, Presentation on *Complexity Economics*.
- 15 February 2018 Symposium: *Scenarios for a warmer Arctic*, The Royal Swedish Academy of Sciences, Stockholm Sweden Organiser, plenary panel participant and plenary presenter: *A holistic approach to Arctic management*.
- 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

- 26-27 April 2018 Workshop: *Political economy and the environment*, Department of Economics, Oslo University, Oslo Norway. Discussion of *Mirage on the horizon: geoengineering and carbon taxation without commitment* by D. Acemoglu and W Rafey
- 19 February 2018 Invited presentation, Paris School of Economics, Paris France, 19 February 2018: Inertia risk; improving economic models of catastrophes

- 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: Zanxin Wang (2011), Saudamini Das (2012), Claudia Aravena (2016), and Herbert Ntuli (2017)

Experience of communicating results with stakeholders/end users

- 25 October 2018 Panel discussion with practitioners from governmental departments and others to discuss the report “Möjligheter och begränsningar med samhällsekonomiska analyser” from Vetenskapsrådet för hållbar utveckling. Government offices, Stockholm Sweden.
- 3 July 2018 Participation in a Panel discussion between scientists and politicians: “Våra kustvatten förändras – vad gör vi?”. Within Akademien i Almedalen 2018. Organised by the Swedish Royal Academy of Sciences within the politician week at Almedalen, Visby, Sweden.
- 31 January 2018 Beijer foundation meeting, Uppsala, Sweden, presentation *Operationalising a social-ecological systems perspective on the Arctic Ocean*.
- 16 February 2016 Public lecture and panel discussion “Vetenskap, teknologi och mänskighetens 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.