

Henrik Österblom

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Research interests

I am a natural scientist interested in advancing sustainability. With a background in behavioral zoology and marine ecology, I have studied seabirds in the North Pacific and the Baltic Sea. My work has focused on ecosystem interactions, human behavior and cooperation, with a particular interest in ocean systems and transnational corporations. My research has generated new insights about the private sector in relation to sustainability, and the role that science can play in stimulating change towards biosphere stewardship.

Education

- **PhD, 2006, Stockholm University.** Thesis in Marine Ecology: “Complexity and Change in a Simple Food Web - Studies in the Baltic Sea (FAO Area 27.IIIId)”
- **MSc, 1998, Uppsala University.** Thesis in Behavior Ecology on: “Copulation and feeding behavior of the common guillemot *Uria aalge* in the Baltic Sea”

Research and Management Positions

- Program Director 2022-
Beijer Institute of Ecological Economics
The Royal Swedish Academy of Sciences
- Science Director, *Stockholm Resilience Centre (SRC)* 2019-
- Visiting professor, *Tokyo University* 2021 (Sept-Dec)
- Professor of Environmental Science, *Stockholm University* 2018
- Visiting scientist, *Tokyo University* 2017 (March-April)
- Senior Lecturer, *Stockholm University* 2014-2018
- Deputy Science Director, *SRC* 2013- 2019
- Associate Senior Lecturer, *Stockholm University* 2011-2014
- Post Doc, *U. Tasmania* and *U. British Columbia* 2009-2010
- Researcher and Science-Policy Coordinator 2007-2011
Baltic Nest Institute
- Special Advisor 2003–2007
Environmental Advisory Council, Swedish Ministry of Environment
- Working member 2002–2003
Commission on the Marine Environment, Swedish Ministry of Environment
- 1st Assistant, *Swedish Museum of Natural History* 2000-2002

Current projects

- The Keystone Dialogues and the SeaBOS initiative (2016-2022)
- Improving the performance of high seas fisheries management (2020-2022)
- Sustainability science, dialogues and novel technologies for understanding and managing ocean ecosystem tradeoffs (2020-2025)

Research Grants

A total of >10 M USD as Principal investigator, and >20 M USD as co-applicant

- **3 578 000 USD** (31 000 000 SEK) 2021. A visionary agenda for transforming the food system, Principal Investigator, PI, IKEA Foundation.

- **551 000 USD** (5 000 000 SEK) 2021. A visionary agenda for transforming the food system, Principal Investigator, PI, Gullspång Re:Food and Gullspång Invest (Isac Brandberg AB).
- **250 000 USD** (2 200 000 SEK) 2020. Effective monitoring, transparency, and dynamic ecosystem management for global tuna fisheries, PI, David and Lucile Packard Foundation
- **400 000 USD** (4 000 000 SEK) 2020. The marine biotechnology industry and equitable governance of marine genetic resources. Co-applicant. FORMAS
- **820 000 USD** (7 800 000 SEK) 2019. Sustainability science, dialogues and novel technologies for understanding and managing ocean ecosystem tradeoffs. PI, Marianne och Marcus Wallenbergs Stiftelse
- **465 000 USD** (4 400 000 SEK) 2019. The Keystone Dialogues and the SeaBOS initiative, 3rd phase. PI, Gordon and Betty Moore Foundation
- **50 000 USD** (466 000 SEK) 2019. PI, High Level Panel on the Ocean, ocean equity.
- **900 000 USD** (8 321 000 SEK) 2019. The Keystone Dialogues and the SeaBOS initiative, 3rd phase. PI, David and Lucile Packard Foundation
- **700 000 USD** (6 472 000 SEK) 2019. The Keystone Dialogues and the SeaBOS initiative, 3rd phase. PI, The Walton Family Foundation
- **347 000 USD** (2 970 000 SEK). 2017. The Keystone Dialogue, 2nd phase, PI, The Walton Family Foundation
- **367 000 USD** (2 970 000 SEK). 2017. The Keystone Dialogue, 2nd phase, PI, David and Lucile Packard Foundation
- **347 000 USD** (2 808 000 SEK). 2017. The Keystone Dialogue, 2nd phase, PI, Gordon and Betty Moore Foundation
- **358 000 USD** (2 900 000 SEK). 2017 the Nereus Program – predicting the future ocean, 3rd phase (out of 3), each three years of duration. PI with Dr Carl Folke. The Nippon Foundation
- **165 000 USD** (1 497 000 SEK). 2017. Ecosystem based management in the Baltic Sea. PI, Swedish Environmental Protection agency.
- **70 000 USD** The Soneva Dialogue. 2016. PI, Gordon and Betty Moore Foundation
- **50 000 USD** The Soneva Dialogue. 2016. PI, David and Lucile Packard Foundation
- **125 000 USD** The Soneva Dialogue. 2016. PI, The Walton Family Foundation
- **12 590 000 USD** (107 000 000 SEK). 2015. GRAID – Guidance for Resilience in the Anthropocene – Investments for Development – Institutional grant to the SRC. Co-lead author, Swedish International Development Agency (SIDA).
- **15 000 USD** (100 000 SEK) 2014. Global Governance. Stockholm University Funds for interdisciplinary collaboration across faculties. PI
- **594 000 USD**: 2014 the Nereus Program – predicting the future ocean, 2nd phase (out of 3), each three years of duration. PI with Dr Carl Folke. The Nippon Foundation
- **6 500 USD** (43 300 SEK). 2013. Personal travel funds, Ivar Bendixsons fund for docents
- **582 900 USD**. 2011. Nereus Program, funding of four post-docs and two PhD students over a time period of nine years (1st phase), by the Nippon foundation. PI with Dr Carl Folke
- **60 000 USD** (400 000 SEK) 2011. Baltic Viz – communications project, PI, Mistra
- **4 830 000 USD** (41 600 000 SEK) Baltic Ecosystem Adaptive Management, BEAM (contributing author of application). Awarded to Stockholm University and part of Swedish Government Strategic Research Grant

- **2 040 000 USD** (17 600 000 SEK) 2009. Regime Shifts in the Baltic Sea Ecosystem-Modelling Complex Adaptive Ecosystems and Governance Implications (contributing author), FORMAS
- **80 700 USD** (538 000 SEK) 2009. Post doc-scholarship: “Is it organized crime? Management of illegal fisheries in the Antarctic under pressure from global market forces”. FORMAS
- **675 000 USD** (4 500 000 SEK) 2008. Main applicant with Dr Lena Kautsky: Funds for an artificial seabird-breeding ledge at Stora Karlsö, WWF-Sweden. PI
- **345 000 USD** (2 300 000 SEK) 2008. ”Seabirds in a dynamic ecosystem”. Funds for PhD student (Martina Kadin), Co-applicant with Dr Carl Folke, FORMAS

Awards

- 2017 Sweden Impact Award: *High-level dialogue with private sector “keystone actors” in the seafood industry*. AESIS.
- 2011 The Askö Young Scientist Award, Stockholm University

Scientific commissions

Membership of editorial board and referee commissions

- Subject Editor for *PLOS ONE* (2015-2022)
- Ad hoc Direct submission editor for *PNAS* (2021)
- Subject Editor for *Ecology and Society* (2009-2021)
- Editorial Board for *Marine Policy* (2015-2018)
- Associate Editor for *Journal of Applied Ecology* (2014-2016)

I have been a reviewer for *Ambio*, *Antarctic Science*, *Aquatic Biology*, *BioScience*, *Bulletin of Marine Science*, *Conservation Biology*, *Ecology and Society*, *Ecosystems*, *Elementa: Science of the Anthropocene*, *Environmental Development*, *Fish and Fisheries*, *Frontiers in Ecology and the Environment*, *Frontiers in Ecology and Evolution*, *Global Change Biology*, *ICES Journal of Marine Science*, *International Journal of Environmental Research and Public Health*, *International Journal of the Commons*, *Journal of Applied Ecology*, *Limnology and Oceanography*, *Marine and Coastal Fisheries*, *Marine Ecology Progress Series*, *Marine Policy*, *Nature Communications*, *Nature Food*, *Nature Sustainability*, *npj Ocean Sustainability*, *Ocean and Coastal Management*, *Ornis Svecica*, *Philosophical Transaction of the Royal Society B*, *PLoS ONE*, *Proceeding of the National Academy of Sciences USA*, *Progress in Oceanography*, *Science*, *Science Advances*, *Scientific Reports* and *Trends in Ecology and Evolution* (33 journals)

Scientific leadership

- Chair, Natural Capital Partnership Committee, Stanford University (2022-)
- Member, IMBER (Integrated Marine Biosphere Research) Human Dimensions Working Group (2017-)
- Member, International advisory board of SARAS² - South American Institute for Resilience and Sustainability Studies, Uruguay (2016-)
- Expert, Swedish parliamentary investigation on the future of Swedish marine policies (2019-2020)
- Member, Expert Group of the High Level Panel for a Sustainable Ocean Economy (2018-2020)
- Representative for Stockholm University in the United Nations Global Compact Ocean Action Platform (2018-2019).

- Member, Ocean Knowledge Action Network (KAN) development team, Future Earth (2017-2019)
- Principal Investigator, the Nereus Program – Predicting the Future Oceans (2010-2019)
- Project co-leader (with Olof Olsson) Baltic Seabirds (1998-2002)
- Member, BEAM (Baltic Ecosystem Adaptive Management) Task Force and cluster leader (Laws and Management), Stockholm University (2010-2015)
- Member, Council for the Swedish Marine Institute (2010-2011)
- Member, Board of the Marine Science Center, Stockholm University (2009-2012)

Public engagement in field of expertise

- Chairman, SeaBOS Fundraising Foundation (2019-)
- Board Member, Race for the Baltic Fundraising Foundation (2018-)
- Member, Swedish national delegation to the FAO Committee of Fisheries (COFI), Rome (2018)
- Member, informal planning group for the Ocean Conference, Swedish Government office (2017)
- Expert advisor for the book “50 ways to save the Baltic Sea” (2015)
- Member, Advisory Committee of the Baltic Sea Forum (2010)
- Scientific advisor, Swedish Society for Nature Conservation (2009)
- Member, Swedish Government Council on Biological Diversity (2009-2011)
- Member, Swedish national delegation to CCAMLR, Hobart (2009)
- Member, Swedish national delegation to IPBES, Putrajaya (2009)
- Member, Swedish Commission on the Marine Environment, Swedish Government (2002-2003)

Peer reviewed scientific publications (99 papers, 31 as first author, 13 as senior author)

Unpublished

1. Bebbington, J., Sobwowski, M., Russel, S., Blasiak, R., **Österblom, H.** (manuscript) Researching grand challenges in business and management: a sustainability science approach.
2. **Österblom, H.**, G. Torchio, J. Rocha, M. Scheffer (manuscript) Scientists as chaperones of cooperation
3. Olsson, O., Anker-Nilssen, P., Kadin, M., **Österblom, H.**, Hentati-Sundberg, J. (in review) Trip duration, body-mass and diving adjustments throughout the king penguin breeding cycle

2022Fel! Ingen sekvens angiven.

99. Selig, E.R., Shinnosuke, N., Wabnitz, C.C.C., **Österblom, H.**, Spijkers, J., Miller, N.A., Bebbington, J., Decker Sparks, J.L. (2022) Revealing global risks of labor abuse and illegal, unreported and unregulated fishing *Nature Communications* 13: 1612
98. **Österblom, H.**, C. Folke, J. Rocha, J. Bebbington, R. Blasiak, J.-B. Jouffray, E. R. Selig, C.C.C. Wabnitz, F. Bengtsson, B. Crona, R. Gupta, P. J. G. Henriksson, K.A. Johansson, A. Merrie, S. Nakayama, G. Ortuño Crespo, J. Rockström, L. Schultz, M. Sobkowiak, P. Søgaard Jørgensen, J. Spijkers, M. Troell, P. Villarubia-Gómez, J. Lubchenco (2022) Scientific mobilization of keystone actors for biosphere stewardship. *Scientific Reports* 12: 3802

97. **Österblom, H.**, Bebbington, J., Blasiak, R., Sobkowiak, M., Folke, C. (2022) Transnational Corporations, Biosphere Stewardship, and Sustainable Futures *Annual Review of Environment and Resources* (in press)

2021

96. Chambers, J.M., Wyborn, C., Klenk, N., Ryan, M.E., Serban, A., Bennett, N.J., Brennan, R., Charli-Joseph, L., Fernandez-Gimenez, M.E., Galvin, K., Goldstein, B.E., Haller, T., Hill, R., Munera, C., Nel, J.L., **Österblom, H.**, Reid, R.S., Riechers, M., Spierenburg, M., Tengö, M., Bennett, E., Brandeis, A., Chatterton, P., Cockburn, J.J., Cvitanovic, C., Dumrongrojwatthana, P., Durán, A.P., Gerber, J.D., Green, J.M.H., Gruby, R., Guerrero, A.M., Horcea-Milcu, A.-I., Montana, J., Steyaert, P., Zaehring, J.G., Bednarek, A.T., Curran, K., Fada, S.J., Hutton, J., Leimona, B., Pickering, T., Rondeau, R. (2021) Co-productive agility and four collaborative pathways to sustainability transformations. *Global Environmental Change* 72: 102422
95. Calderón-Contreras, R., Balvanera, P., Trimble, M., Langle-Flores, A., Jobbágy, E., Manuel Maass, M., Marcone, J., Mazzeo, N., Muñoz Anaya, M.M., Ortiz-Rodríguez, I.A., Perevochtchikova, M., Avila, S., Bonilla-Moheno, M., Beth Clark, L., Equihua, M., Ayala-Orozco, M., Bueno, I., González, I., Hensler, L., Leyva Aguilera, J.C., Martínez Ramos, M., Merçon, J., Azahara Mesa-Jurado, M., **Österblom, H.**, Pacheco-Vega, R., Pérez Alcántara, B., Pérez-Maqueo, O., Porter, L., Quijas, S., Quiroz Rosas, L.E., Rios Patron, E., Rocha, J.C., Rojo Negrete, I.A., Piedad, L., Duque, R., Rosell, J.A., Scheffer, M., Vázquez, L.-B., Velázquez, M., Villada Canela, M. (2021) A regional PECS node builds from Place-based social-ecological sustainability research in Latin America and the Caribbean *People and Nature* 18: 1-14
94. Sumaila, U. R., Skerritt, D., Schuhbauer, A., Villasante, S., Cisneros-Montemayor, A. M., Sinan, H., Burnside, D. *et al.* with 296 co-authors (2021) WTO must ban harmful fisheries subsidies. *Science* 374: 6567. 10.1126/science.abm1680
93. **Österblom, H.**, Paasche, Ø. (2021) Earth Altruism. *One Earth* 4 (10): 1386-1397. 10.1016/j.oneear.2021.09.003 [Covered by [PNAS Journal Club](#)]
92. Chambers, J., Wyborn, C., Ryan, M., Reid, R.S., Riechers, M., Serban, A., Bennett, N., Cvitanovic, C., Fernandez-Gimenez, M.E., Galvin, K., Goldstein, B., Klenk, N., Tengö, M., Brennan, R., Cockburn, J., Hill, R., Munera, C., Nel, J., **Österblom, H.**, Bednarek, A., Bennett, E., Brandeis, A., Charli-Joseph, L., Chatterton, P., Curran, K., Dumrongrojwatthana, P., Durán, A.P., Fada, S.J., Gerber, J.D., Green, J., Guerrero, A., Haller, T., Horcea-Milcu, A., Leimona, B., Montana, J., Rondeau, R., Spierenburg, M., Steyaert, P., Zähringer, J., Gruby, R., Hutton, J., Pickering, T. (2021) Six modes of co-production for sustainability. *Nature Sustainability* 4: 983-996.
91. Spijkers, J., Singh, G., Wabnitz, C.C.C., **Österblom, H.**, Cumming, G.S, Morison, T.H. (2021) Identifying predictors of international fisheries conflict *Fish and Fisheries* 22: 834-850
90. Crona, B., Wassénus, E., Lillepold, K., Watson, R., Selig, E.R., Hicks, C., **Österblom, H.**, Folke, C., Jouffray, J.-B., Blasiak, R. (2021) Sharing the seas: A review and analysis of ocean sector interactions *Environmental Research Letters* 16: 063005.
89. Blasiak, R., Dauriach, A., Jouffray, J.-B., Folke, C., **Österblom, H.**, Bebbington, J., Bengtsson, F., Causevic, A., Geerts, B., Grönbrekk, W., Henriksson, P.J.G., Käll, S., Leadbitter, D., McBain, D., Ortuño Crespo, G., Packer, H., Sakaguchi, I., Schultz, L., Selig, E.R., Troell, M., Villalón, J., Wabnitz, C.C.C., Wassénus, E., Watson, R.A., Yagi, N., Crona, B.I. (2021) Evolving Perspectives of Stewardship in the Seafood Industry *Frontiers in Marine Science* 8, 676

88. Folke, C., Polasky, S., Rockström, J., Galaz, V., Westley, F., Lamont, M., Scheffer, M., **Österblom, H.**, Carpenter, S.R., Chapin III, F.S., Seto, K.C., Weber, E.U., Crona, B.I., Daily, G.C., Dasgupta, P., Gaffney, O., Gordon, L.I., Hoff, H., Levin, S.A., Lubchenco, J., Steffen, W., Walker, B. (2021) Our Future in the Anthropocene Biosphere. *Ambio* 1-36
87. **Österblom, H.**, Blasiak, R. (2021) Oil licences undermine Norway's ocean leadership. *Nature* 590 (7847): 551 <https://doi.org/10.1038/d41586-021-00445-w> [Correspondence]
86. Eriksson, H., Blythe, J.L., **Österblom, H.**, Olsson, P. (2021) Beyond social-ecological traps: fostering transformations toward sustainability *Ecology and Society*
85. Viridin, J., Vegh, T., Blasiak, R., Jouffray, J.B., Mason, S., **Österblom, H.**, Vermeer, D., Werner, N. (2021). The Oceans 100: Transnational Corporations in the Ocean Economy. *Science Advances* 7 (3): eabc8041
84. Saraux, C., Sydeman, W., Piatt, J., Anker-Nilssen, T., Hentati-Sundberg, J, Bertrand, S., Cury, P., Furness, R.W., Mills, J.A., **Österblom, H.**, Passuni, G., Roux, J.-P., Shannon, L.J., Crawford, R.J.M. (2020) Seabird-induced natural mortality of forage fish varies with fish abundance: evidence from 5 ecosystems *Fish and Fisheries* 22: 262-279

2020

83. Carmine, G., Mayorga, J., Miller, N.A., Park, J., Halpin, P.N., Ortuño Crespo, G., **Österblom, H.**, Sala, E., Jacquet, J. (2020) Who is the high seas fishing industry? *One Earth* 3: 730-738
82. Stenseth, N.C., Payne, M.R., Bonsdorff, E., Dankel, D.J., Durant, J.M., Anderson, L.G., Armstrong, C.W., Blenckner, T., Brakstad, A.D., Dupont, S., Eikeset, A.M., Goksøyr, A., Jónsson, S., Kuparinen, A., Kjetil Våge, K., **Österblom, H.**, Paasche, Ø (2020) Attuning to a changing ocean: lessons from the Seas of Norden. *Proceedings of the National Academy of Sciences, USA* 117(34): 20363-20371
81. **Österblom, H.**, Cvitanovic, C., van Putten, I., Addison, P. Blasiak, P., Jouffray, J.-B., Bebbington, J., Hall, J., Ison, S., LeBris, A., Mynott, S., Reid, D., Sugimoto, A. (2020) Science-industry collaboration – sideways or highways to ocean sustainability? *One Earth* 3: 79-88.
80. Brodie Rudolph, T., Swilling, M., Ruckelshaus, M. Allison, E.H., **Österblom, H.**, Gelcich, H., Mbatha, P. (2020) A transition to sustainable ocean governance. *Nature Communications* 11 (1): 1-14
79. **Österblom, H.**, Bebbington, J., Folke, C., Blasiak, R., Crona, B., Henriksson, P., Jouffray, J.-B. Merrie, A., Rockström, J., Schultz, L., Selig, E., Spijkers, J., Troell, M., Wabnitz, C. (2020) 海洋管理に向けた水産事業 (SeaBOS) の取り組み – 発足の経緯と初期成果 [The Seafood Business for Ocean Stewardship (SeaBOS) initiative : Origin, Development and First Results] *Environmental Information Science* 49, 72-82 (a translated and extended version of Österblom et al. 2017 *PNAS*)
78. Folke, C., **Österblom, H.**, Jouffray, J.-B., Lambin, E., Scheffer, M., Adger, N.W., Crona, B., Nyström, M., Levin, S., Carpenter, S.R., Anderies, J., Chapin III, S., Crépin, A.-S., Dauriach, A., Galaz, V., Gordon, L., Kautsky, N. Walker, B., Watson, J., Wilen, J., de Zeeuw, A. (2020) An invitation for more research on transnational corporations and the biosphere *Nature Ecology and Evolution* (response) 4: 494.

77. Jouffray, J.-B., Blasiak, R., Norström, A.V., **Österblom, H.**, Nyström, M. (2020) The Blue Acceleration: The Trajectory of Human expansion into the ocean. *One Earth* 2 (1) 43-54.
76. Norström, A.V., Cvitanovic, C., Löf, M.F., West, S., Wyborn, C., Balvanera, P., Bednarek, A.T., Bennett, E.M., Biggs, R., de Bremond, A., Campbell, B.M., Canadell, J. G., Carpengter, S.R., Folke, C., Fulton, E.A., Gaffney, O., Gelcich, S., Jouffray, J.-B., Leach, M., LeTissier, M., Martín-López, B., Loutre, M.-F., Meadow, A.M., Nagendra, H., Payne, D., Peterson, G., Reyers, B., Scholes, B., Speranza, C.I., Spierenburg, M., Stafford-Smith, M., Tengö, M., van der Hel, S., van Putten, I., **Österblom, H.** (2020) Principles for knowledge co-production in sustainability research. *Nature Sustainability* 2: 182-190
75. Brooks, C.M., Crowder, L.B., **Österblom, H.**, Strong, A.L. (2020) Reaching consensus for conserving the global commons: The case of the Ross Sea, Antarctica. *Conservation Letters* 13 (1)
74. Gupta, R., Haider, J., **Österblom, H.** (2020) The theory of cross-scale interactions: an illustration from remote villages in Sikkim, India. *Environment, Development and Sustainability* 22: 3777-3804

2019

73. Bebbington, J., **Österblom, H.**, Crona, B. Jouffray, J.-B., Larrinaga, C., Russell, S., Scholtens, B. (2019) Accounting and Accountability in the Anthropocene *Accounting, Organizations and Society* 33: 152-177 <https://doi.org/10.1108/AAAJ-11-2018-3745> [voted **Highly Commended** by the AAAJ editorial board in 2021]
72. Paasche, Ø., **Österblom, H.** (2019) Unsustainable Science. *One Earth* 1(1): 39-42
71. Folke, C., **Österblom, H.**, Jouffray, J.-B., Lambin, E., Scheffer, M., Adger, N.W., Crona, B., Nyström, M., Levin, S., Carpenter, S.R., Anderies, J., Chapin III, S., Crépin, A.-S., Dauriach, A., Galaz, V., Gordon, L., Kautsky, N. Walker, B., Watson, J., Wilen, J., de Zeeuw, A. (2019) Transnational corporation and the challenge of biosphere stewardship. *Nature Ecology and Evolution* 3: 1396-1403
70. Spijkers, J., Singh, G., Blasiak, R., Morrison, T.H., Le Billon, P., **Österblom, H.** (2019) Global Patterns of Fisheries Conflict: Forty Years of Data. *Global Environmental Change* 57: 101921
69. Petersson, M., Dellmuth, L., Merrie, A., **Österblom, H.** (2019) Patterns and trends in non-state actor participation in regional fisheries management organizations. *Marine Policy* 104: 146-156 <https://doi.org/10.1016/j.marpol.2019.02.025>
68. Blasiak, R., Jouffray, J.-B., Wabnitz, C.C.C., **Österblom, H.** (2019) Scientists should disclose origin in marine gene patents. *Trends in Ecology and Evolution* 5: 392-395 <https://doi.org/10.1016/j.tree.2019.02.004>
67. **Österblom H.** (2019) The World is Yours. *The Lancet* 391: 528-529.

2018

66. Galaz, V., Crona, B., Dauriach, A., Jouffray, J.-B., **Österblom, H.**, Fichtner, J. (2018) Tax havens and global environmental degradation. *Nature Ecology and Evolution* 2: 1352-1357
65. Spijkers, J., Morrison, T.H., Blasiak, R., Cumming, G.S., Osborne, M., Watson, J., **Österblom, H.** (2018) Marine fisheries and future ocean conflict. *Fish and Fisheries* 19 (5): 798-806
64. Blasiak, R., Jouffray, J.-B., Wabnitz, C.C.C., Sundström, E., **Österblom, H.** (2018). Corporate control and global governance of marine genetic resources. *Science Advances* 4 (6): eaar5237

63. Hentati-Sundberg, J., Evans, T., **Österblom, H.**, Hjelm, J. (2018). Fish and seabird spatial distribution and abundance around the largest seabird colony in the Baltic Sea. *Marine Ornithology* 46: 61-68.
62. Merrie, A., Keys, P., Metian, M., **Österblom, H.** (2018). Radical ocean futures-scenario development using science fiction prototyping. *Futures* 95: 22-32

2017

61. **Österblom, H.**, Jouffray, J.-B., Folke, C., Rockström, J. (2017) Emergence of a global science-business initiative for ocean stewardship. *Proceedings of the National Academy of Sciences, USA* 114: 9038-9043
60. Orach, K., Schlüter, M., **Österblom, H.** (2017). Tracing a pathway to success: How competing interest groups influenced the 2013 EU Common Fisheries Policy reform. *Environmental Science & Policy* 76: 90-102.
59. Maury, O., L. Campling, H. Arrizabalaga, O. Aumont, L. Bopp, G. Merino, D. Squires, W. Cheung, M. Goujon, C. Guivarch, S. Lefort, F. Marsac, P. Monteagudo, R. Murtugudde, **H. Österblom**, J. F. Pulvenis, Y. Ye, and B. J. van Ruijven. (2017) From shared socio-economic pathways (SSPs) to oceanic system pathways (OSPs): Building policy-relevant scenarios for global oceanic ecosystems and fisheries. *Global Environmental Change* 45: 203-216.
58. Blasiak, R., Spijkers, J., Tokunaga, K., Pittman, J., Yagi, N. and **H. Österblom**. (2017) Climate change and marine fisheries: Least developed countries top global index of vulnerability. *PLoS ONE* 12:e0179632.
57. **Österblom, H.** (2017). Reimagining ocean governance using the keystone species concept. *Nature Ecology & Evolution* 1: 1033 doi:10.1038/s41559-017-0133
56. **Österblom, H.**, Hentati-Sundberg, J., Nevonen, N., Veem, K. (2017) Tinkering with a tanker – slow evolution of a Swedish ecosystem approach. *ICES Journal of Marine Science* 74: 443-452 10.1093/icesjms/fsw232
55. **Österblom, H.**, Crona, B., Folke, C., Nyström, M., Troell, M. (2017) Marine ecosystem science on an intertwined planet. *Ecosystems* 20: 54-61 DOI: 10.1007/s10021-016-9998-6

2016

54. Crona, B. I., Daw, T.M., Swartz, W., Norström, A.V., Nyström, M., Thyresson, M., Folke, C., Hentati-Sundberg, J., **Österblom, H.**, Deutsch, L., Troell, M. (2016) Masked, diluted and drowned out: how global seafood trade weakens signals from marine ecosystems. *Fish and Fisheries* Early 17: 1175-1182
53. **Österblom, H.**, Jouffray, J.-B., Spijkers, J. (2016) Where and how to prioritize fishery reform? *Proceedings of the National Academy of Sciences, USA* www.pnas.org/cgi/doi/10.1073/pnas.1605723113

2015

52. **Österblom, H.**, Scheffer, M. Westley, F., van Esso, M., Miller, J., Bascompte, J. (2015). A Message from Magic to Science: Seeing how the brain can be tricked may strengthen our thinking. *Ecology and Society* 20 (4): 16 <http://dx.doi.org/10.5751/ES-07943-200416>
51. Eriksson, H., **Österblom, H.**, Crona, B., Troell, M., Andrew, N., Wilen, J., Folke, C. (2015) Contagious Exploitation of Marine Resources *Frontiers in Ecology and the Environment* 13: 435-440 <http://dx.doi.org/10.1890/140312>

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Book Chapters

1. **Österblom, H.** 2019. Synthesis: the opportunities of changing ocean governance for sustainability. Chapter 33 in:
2. Folke, C., Crona, B., Galaz, V., Gordon, L., Schultz, L., **Österblom, H.** (2019) Collaborative Approaches to Biosphere Stewardship. Chapter 4 in: *Green Growth That Works: natural Capital Policy and Finance Mechanism Around the World*. Mandle, L.A., Ouyang, Z., Salzman, J.E., Daily, G.C. (eds.), Island Press.
3. van Putten, I, Breckwoldt, A., Bundy, A., Guillotreay, P., Nayak, P.K., **Österblom, H.**, Perry, R.I. (2018) Conclusion: Lessons from global change response to advance governance and sustainable use of marine systems, pages 295-313 in *Global Change in Marine Systems – Integrating Natural, Social, and Governing Responses*. Guillotreay, P., Bundy, A., Perry, R.I. (eds). Routledge, London and New York
4. **Österblom H.**, Olsson, O. (2017) CCAMLR: an ecosystem approach to the Southern Ocean in the anthropocene. Chapter 26 in *Handbook on the Politics of Antarctica*, Dodds, K., Hemmings, A.D., Roberts, P. (eds). Edward Elgar Publishing Limited, Cheltenham
5. **Österblom, H.**, Bodin, Ö, Press, A.J., Sumaila, U.R. (2015) The High Seas and IUU Fishing. Pages 232-240 in *Routledge Handbook of Ocean Resources and Management*, Smith, H.D, Suárez de Vivero, J.L., Agardy, T.S. (eds) Routledge, London and New York.
6. Casini, M., Möllman, C., **Österblom, H.** (2011) Food-web and climate-related dynamics in the Baltic Sea: present and potential future applications in fish stock assessment and management. In Belgrano, A and Fowler, C.W. (eds) *Ecosystem-based management for marine fisheries*, Cambridge University Press,
7. **Österblom, H.** (2009) Human impacts on marine and freshwater environments. In Ackefors, M. Cullberg, P. Wramner (eds). *Fisheries, Sustainability and Development*, Royal Swedish Academy for Agriculture and Forestry, Stockholm

Scientific Reports in support of Policy and Practice

- Galaz, V., D. Collste, M-L. Moore, E. Brattander, J. Haider, S. Lade, B. Reyers, P. Malmer, M. Tengö, T. Daw, R. Blasiak, **H. Österblom**, J-B. Jouffray, J. Kuiper, K. Arkema, T. Hahn, G. Wong, V. Masterson. 2020. *Planetary change and human development*. Unpublished manuscript for UNDP:s Human Development Report team, Stockholm University, Stockholm Resilience Centre.
- Hauke, F., P. Snoeijs-Leijonmalm, A-S. Crépin, F. Volckaert, S. Niiranen, B. Niehoff, J. Hentati- Sundberg, **H. Österblom**, F.L. Schaafsma, J. Hjelm. 2020. *Review of the research knowledge and gaps on fish populations, fisheries and linked ecosystems in the Central Arctic Ocean (CAO)*. Executive Agency for Small and Medium-sized Enterprises. European Commission.
- Folke, C., S. Polasky, J. Rockström, V. Galaz, F. Westley, M. Lamont, M. Scheffer, **H. Österblom**, S. Carpenter, F. Stuart Chapin III, B. Crona, G. Daily, P. Dasgupta, O. Gaffney, L. Gordon, H. Hoff, S. Levin, J. Lubchenco, W. Steffen, B. Walker. 2020. *Our future in the Anthropocene biosphere: global sustainability and resilient societies. Discussion Paper for the first Nobel Prize Summit - Our Planet, Our Future*. Beijer Discussion Paper Series No. 272. Beijer Institute of Ecological Economics. The Royal Swedish Academy of Sciences.
- Swilling, M., M. Ruckelshaus, T. Brodie Rudolph, E.H. Allison, S. Gelcich, P. Mbatha, **H. Österblom**. 2020. *The ocean transition: what to learn from system*

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- **Österblom, H.**, C.C.C. Wabnitz, D. Tladi, E.H. Allison, S. Arnaud-Haond, J. Bebbington, N. Bennett, R. Blasiak, W. Boonstra, A. Choudhury, A. Cisneros-Montemayor, T. Daw, M. Fabinyi, N. Franz, H. Harden-Davies, D. Kleiber, P. Lopes, C. McDougall, B.P. Resosudarmo, S.A. Selim. 2020. *Towards ocean equity*. Blue paper commissioned by the High Level Panel for a Sustainable Ocean Economy. World Resources Institute.
- **Österblom, H.**, **Jouffray, J.-B.**, Folke, C., Rockström, J. (2018) Can science and business work together to save the ocean? *Science Journal for Teens*. December 2018
- Irons, D., Petersen, A., Anker--Nilssen, T., Artukhin, Y., Barrett, R., Boertmann, D., Gavrilov, M.V., Gilchrist, G., Hansen, E.S., Hario, M., Kuletz, K., Mallory, M., Merkel, F., Mosbech, A., Labansen, A.L., Olsen, B., **Österblom, H.**, Reid, J., Robertson, G., Rönkä, M., Ström, H., 2015. Circumpolar Seabird Monitoring Plan. CAFF Monitoring Report No.17. CAFF International Secretariat, Akureyri, Iceland.
- Veem, K., **Österblom, H.**, Kadin, M., Daw, T., Sissenwine, M., Symes, D. (2012) Best Practices for Fisheries Management, BalticSea2020
- Folke, C., Hahn, T., Rockström, J., **Österblom, H.**, Walker, B., Moberg, F., Schultz, M., Enfors, E., Crona, B., Bodin, Ö., Olsson, P., Galaz, V., Nilsson, A., Swartling, Å. (2009) Resilience and Sustainable Development 2.0 for the Swedish Government's Commission on Sustainable Development
- Huitric, M., Walker, B., Moberg, F., **Österblom, H.**, Sandin, L., Grandin, U., Olsson, P., Bodegård J. (2009) Biodiversity, Ecosystem Services and Resilience – Governance for a Future with Global Changes, Background Report to the Swedish Government High-level meeting on Biodiversity and Ecosystem Services during the Swedish EU Presidency

Organization of activities connecting science with policy and practice

- The ocean course 2021-2022, a series of lectures/dialogues given to HRH Crown Princess Victoria of Sweden by leading scientists, Stockholm, Sweden (main organizer).
- SeaBOS working meeting, May 2022, Stockholm, Sweden (co-organizer)
- The Virtual Keystone Dialogue, October, 2021 (co-organizer)
- SeaBOS virtual working meeting May 2021 (co-organizer)
- Ensuring a thriving ocean economy for everyone, April 12, 2021 (organizer and moderator). Virtual side event to the 2021 Nobel Laureate Symposium.
- The Virtual Keystone Dialogue, October, 2020 (co-organizer)
- SeaBOS virtual working meeting, May 2020 (co-organizer)
- The Phuket Dialogue, Phuket, Thailand, October, 2019 (co-organizer)
- SeaBOS working meeting, 2019, Bergen, Norway (co-organizer)
- The Karuizawa Dialogue, Karuizawa, Japan, October, 2018 (co-organizer)
- Sustainable Seafood value chains. Side Event FAO COFI, Rome 2018 (co-organizer)
- Disruptive Dialogue Ocean, EAT Forum, Stockholm 2018 (co-organiser)
- SeaBOS working meeting: The Amersfoort Dialogue, Amersfoort, 2018 (one of main organizer)
- Connecting and protecting our seas: Initiatives in the Baltic and the Mediterranean. Monaco, October 12-13, 2017 (co-organizers)

- The global ocean and the future of humanity. Seminar at the Royal Swedish Academy of sciences, to celebrate 2017 Volvo Environment Prizewinner Professor Rashid Sumaila (main organizer).
- UN Ocean Conference, side event, May 6, 2017. A presentation of the Seafood Business for Ocean Stewardship (SeaBOS) initiative, together with HRH Crown Princess Victoria of Sweden, Deputy Prime Minister Isabella Lövin and Knut Nesse (CEO of Nutreco), among others (main organizer).
- The Stockholm Dialogue, May 14-15, 2017. An informal and trust based dialogue that brought together the ten largest seafood companies in the world, to advance the SeaBOS initiative (main organizer).
- The Soneva Dialogue. November 11-13, 2017. An informal and trust based dialogue that brought together the eight largest seafood companies in the world and led to the establishment of SeaBOS: <http://keystonedialogues.earth/> (main organizer).
- Short course on marine ecosystems and governance (2016). Informal training of HRH Crown Princess Victoria of Sweden. Four lectures and dialogue sessions (three hours each), as preparation for the Soneva Dialogue (main organizer and lecturer)
- Informal dialogue on seafood and sustainability at the Swedish Embassy, Tokyo, September 2016. Main organizer, together with the Embassy
- Informal dialogue on seafood sustainability – the key to profitability. A dialogue with major Japanese seafood actors, the Swedish Embassy, Tokyo, November 2015. Main organizer (program, strategy, invitations and practicalities)
- Sustainable Growth Summit, Bergen 2015. A conference engaging the major Norwegian seafood producers, universities and other stakeholders. Seafood Innovation Cluster, Bergen. One of the organizers (program and strategy).
- A dialogue between science and policy on the future of the Baltic Sea. Annual meetings (2014 and 2015) where leading Swedish parliamentarians participate in a dinner, strategic discussions and bird ringing at Stora Karlsö. Main organizer (program, strategy, practicalities)
- An introduction to Stockholm Resilience Centre research. A full day of lectures and dialogues with HRH Crown Princess Victoria, Stockholm Resilience Centre 2014. Main organizer (program and strategy)

Teaching, training, presentations

Teaching

I teach in several classes at the first (undergraduate), second (Masters) and third (PhD) level, including in the multidisciplinary and introductory “Världens Eko” (Echoes of the World) course. I have developed an appreciated role-play exercise in the Adaptive Management module in our masters program on Social-ecological Resilience for Sustainability and developed an introductory PhD course on multidisciplinary resilience research.

Supervision of Students

Current PhD students:

2020: Frida Bengtsson

Examined PhD students:

- Matilda Petersson (2015-2020) Principal supervisor, currently post doc in Wageningen, the Netherlands

- Jessica Spijkers (2015-2020), Principal supervisor, currently post doc CSIRO, Australia
- Jean-Baptiste Jouffray (2014-2020), Supervisor, currently post doc Stockholm University
- Kiril Orach (2013-2018) Supervisor. Researcher at Stockholm Resilience Centre (2019).
- Jonas Hentati-Sundberg (2011-2015) Principal supervisor. Associate Senior Lecturer at Swedish Agricultural University (2019).
- Andrew Merrie (2011-2016) Principal supervisor. Communications officer at Stockholm Resilience Centre (2019).
- Matilda Valman (2009-2014) Supervisor. Coordinator at Swedish Water Authority (2019).
- Martina Kadin (2009-2013, until licentiate degree) Principal supervisor. Post doc at University of Washington (2019).

Mentoring of postdocs

- Dr Guillermo Oturño Crespo (2020-)
- Dr Robert Blasiak (2016-2020). Researcher Stockholm Resilience Centre
- Dr Lisa Dellmuth (2014-2016). Associate Professor at Stockholm University.
- Dr Marc Metian (2011-2013). Research scientists at International Atomic Energy Agency (2019).
- Dr Wijnand Boonstra (2009-2014). Researcher at Stockholm Resilience Centre (2019).
- Dr Simon Birnbaum (2009-2014). Associate Professor at Södertörn University (2019).

Examinations

2021: External evaluator, PhD thesis: On sustainability and financial returns of fishery resources, by Abdularahman Ben Hasan at the University of British Columbia

2020: External evaluator, PhD thesis: Long-term drivers of change and sudden shocks in the global marine capture fisheries – Expanding the human dimension of a global fisheries model, by Kim J.N. Scheerer at the Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona

2016: External Evaluator, PhD thesis by Adrian Arias Rodrigues at the Australian Research Council Centre of Excellence for Coral Reef Studies, James Cook University, Australia

2015: Member of examination committee, PhD defense: Good Ecological Status: Advancing the Ecology of Law, by Henrik Josefsson, Uppsala University (Department of Law)

2012: Examiner of Licentiate Thesis: Evaluating fisheries management from a Life Cycle perspective with new approaches to by-catch impacts, by Sara Hornborg, University of Gothenburg (Department of Biological and Environmental Sciences)

Presentations at international scientific conferences

1. Working with the private sector towards sustainable seafood and a healthy ocean. Sustainable Blue Economy in the Tropics, Presenter, International Conference on Tropical Sciences: Contributions to Sustainability, 2021 (online)
2. How to build successful careers in marine science, Early Career Day, IMBeR Future Oceans2, Ocean Sustainability for the benefit of society: understanding challenges and solutions, 2019, Brest
3. To science change – a curious dance between experimental ecologists and senior executives. Session presentation, IMBeR Future Oceans2, Ocean Sustainability for the benefit of society: understanding challenges and solutions, 2019, Brest
4. The impact of maritime conflict and security on meeting Sustainable Development Goals. Session chair, the World Social Science Forum 2018, Fukuoka.
5. Evolution, ownership and control in the global seafood industry. Presenter, World Fisheries Congress, 2016, Busan
6. The ecosystem approach – towards a new paradigm? Examples from Sweden. Presenter, The fourth Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) IMBIZO meeting, 2015, Trieste
7. Transnational corporations as “keystone actors” in marine ecosystems. Presentation, Transformations conference 2015, Stockholm
8. Resilience and global social-ecological connectivity (invited keynote speech) The 1st OJERI Symposium: Resilience Thinking in a Changing World. 2015, Seoul
9. Seabirds, architecture and theatre, Imaginando la resiliencia: Colaboraciones Arte-Ciencia para la sustentabilidad. 2014, symposium organized by the South American Institute for Resilience and Sustainability Studies (SARAS2), Maldonado (Uruguay)
10. Global Social-Ecological Connectivity and the Biosphere – Learning from historical and present fisheries dynamics. Volvo Environmental Prize seminar symposium, The Swedish Royal Academy of Sciences, 2014, Stockholm
11. The Baltic Sea, global actors and global governance. Scientific conference on Law and Resilience, Stockholm University, 2014, Stockholm
12. Ecosystem based management – examples from the Southern Ocean and elsewhere. IMBER Annual Meeting 2014, Bergen
13. Weaving the future ocean food web: the Nereus diagram. AAAS Annual meeting 2013, Boston
14. Reducing IUU fishing in the Southern Ocean – how did they do it? World Fisheries Congress 2012, Edinburgh
15. Predicting the future ocean: the Nereus program. AAAS Annual meeting 2012, Vancouver
16. Global initiatives @ Stockholm Resilience Centre. Planet Under Pressure, 2012, London.
17. Adaptive Governance of Environmental Challenges - Critical Features of Social-Ecological Systems. Nordic Environmental Social Science Conference 2011, Stockholm
18. Opportunities and challenges for transformation in marine social-ecological systems in the Baltic Sea. Resilience 2011, Arizona, 2011
19. Co-evolving institutions: An evolutionary arms race for Antarctic marine living resources. Resilience 2011, Arizona, 2011
20. Emerging Social Networks to Counter the Fisheries Crisis. AAAS, Washington D.C., 2011
21. Resilience of illegal fishing operators: Using loopholes in legal frameworks at multiple layers. Law and resilience conference, Stockholm, 2010

22. Science, policy-making and compliance: securing legitimacy in the Common Fisheries Policy. Conference on Knowledge Democracy, RMNO and Drift, Leiden, the Netherlands, 2009.
23. Regime shifts in the Baltic Sea – from commercial fish stocks to food web, cross scale assessments. Drivers of regime shifts in aquatic system: case-specific or universal? Wageningen, The Netherlands, 2009
24. Junk food in marine ecosystems. Poster presentation at the Association for the Sciences of Limnology and Oceanography (ASLO) meeting, 2009
25. Adaptive management of the Baltic Sea, using Nest. ICES annual science conference, Halifax, 2008

Science, policy and practice presentations

1. SeaBOS – How can corporations be part of the solution? Keynote presentation at launch of global ocean investment fund, March 30, Entropics, Stockholm, Sweden.
2. SeaBOS – Tokyo October 2021, Tokyo Sustainable Seafood Symposium
3. The SeaBOS model: How lessons learned from SeaBOS can drive food system transformations. Presentation at side event, United Nations Food Systems Summit, June 2021
4. Keystone actors of global seafood – Powerful enough to influence the entire supply chain? Presentation to the Walton Family Foundation, June 2021.
5. Making fish less fishy: driving systemic change in the industry. Big Meet 2021, Sweden FoodTech, Stockholm
6. Global overfishing – a great threat and an unexpected opportunity? November 2020, Alder Investment, Stockholm, Sweden.
7. Stockholm Resilience Centre, the next generation. Online presentation to the IKEA Foundation, November 2020 (with Lisen Schultz and Andrew Merrie).
8. The keystone actor idea and SeaBOS – how did we get to where we are? Seafood Expo North America 2019, Boston (invited presentation)
9. Status and overview of the SeaBOS initiative. North Atlantic Seafood Forum 2019, Bergen (invited presentation)
10. A vision and commitment for the future of global seafood business. New global trends and initiatives in Japan. Tokyo Sustainable Seafood Symposium 2018, Tokyo (invited presentation)
11. Introduction to seminar - Omstilling: Norge i grønt, vitt och blått. Arendalsukka, Arendal 2018 (invited keynote)
12. Global industry leadership taking form. Aquavision, Stavanger, 2018 (invited presentation)
13. Ekosystemansatsen – praktiska erfarenheter och nästa steg Swedish Agency for Marine and Water Management, 2018 (invited presentation)
14. Global seafood actors and sustainable marine ecosystems. North Atlantic Seafood Forum 2018, Bergen (invited presentation)
15. Keystone Dialogues and the SeaBOS initiatives. Tokyo Sustainable Seafood Symposium 2017, Tokyo (invited presentation)
16. Keystone actors of global seafood. United Nations University, Tokyo 2017 (invited speaker)
17. Tinkering with a tanker- slow evolution of a Swedish ecosystem approach. Presentation at science-policy workshop at the Swedish Agency for Marine and Water Management. 2016.
18. Keystone Actors in Marine Ecosystems. EAT-Fish, EAT Stockholm Food Forum, 2016.

19. With Professor Johan Rockström: World Development within Planetary Boundaries – Setting the Oceans and Fisheries in Context. Swedish Embassy in Tokyo, 2015
20. Resilience and planetary boundaries. Keynote speech at International seminar: “Climate Change – Resilience and prevention of violent conflict”. Dag Hammarskjöld Foundation, Uppsala, 2015 (with participation of UN Ambassadors)
21. The Baltic Sea – an introduction. Rockefeller Global Fellowship Programme on Social Innovation, Stockholm, May 2015
22. Co-evolution between IUU fishing and institutions in the Southern Ocean. Presentation at Public Hearing on “IUU”, European Parliament, Brussels, 2014
23. Avoiding fishing down the governance index. Lecture at the international seminar “Global trends in fisheries governance – improving sustainability”. Swedish Agency for Marine and Water Management. Stockholm, 2014
24. Keystone actors of global seafood. Private lecture for HRH Crown Princess Victoria, The Royal Castle, 2014
25. Adaptive governance of international marine resources. Private lecture for HRH Crown Princess Victoria, Stockholm Resilience Centre, 2014
26. Reclaiming leadership in fisheries. Lecture at the European Parliament, 2012
27. The Baltic Sea Region – A model region for sustainable development? Keynote talk at seminar: The Baltic Sea Region - on its way to the world’s first EcoRegion? Council of the Baltic Sea States and the German EU presidency, Gdynia, Poland, 2011
28. Resilience Science and potential practical implications. Plenary lecture in a science-policy dialogue, Von Humboldt Institute, Bogota, 2010.

Communication and popular Science

I have participated in several podcasts and given numerous presentations of my research to a general public, including to school children. I have participated in a two Swedish television shows aimed for kids ages 3-10 and am regularly interviewed for radio and newspapers. I have fact checked a booklet called “50 ways to save the Baltic Sea”, which was handed out to thousands of school children throughout Sweden. I engage in popularizing my research via Science Journal for Teens (in 2018) and other media outlets (The Conversation in 2020-2021, Project Syndicate 2019, World Economic Forum 2017, the Guardian 2015), social media (@henrikosterblom) and through the Stockholm Resilience Centre and Stockholm University web sites (interviews, animations and short presentations on YouTube). I have engaged in a mixed theatre/lecture/violin performance act at the opening of the Baltic Sea Festival (in 2014) and in public seminars connecting science to art in Uruguay (2015, 2018). I actively collaborate with policy makers, industry, civil society organizations, and other practitioners, with an aim to advance interest, knowledge and action.