

Max Lindmark

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Professional positions	2020 Jun - 2022 Jun	Postdoctoral researcher Swedish University of Agricultural Sciences , Department of Aquatic Resources (SLU Aqua), Institute of Marine Research
Education	2016 Feb - 2020 May	Swedish University of Agricultural Sciences , Department of Aquatic Resources (SLU Aqua), Institute of Coastal Research, PhD Student, Supervisors: Anna Gårdmark, Jan Ohlberger (co-supervisor), Magnus Huss (co-supervisor)
	2014-2015	University of Aberdeen , MRes Applied Marine and Fisheries Ecology (Distinction). Degree project: <i>Predicting spatial distribution of fish stocks by updating informative survey-based priors with commercial data in a Bayesian framework</i>
	2011-2014	University of Gothenburg , BSc Biology (2:1 equivalent). Majority of courses completed with pass with special distinction
Publications	4.	Lindmark, M. , Ohlberger, J., and Gårdmark, A. 2020. Optimum growth temperature declines with body size within fish species. <i>BioRxiv</i> . doi: https://doi.org/10.1101/2021.01.21.427580
	3.	Huss, M., Lindmark, M. , Jacobson, P., van Dorst, R., Gårdmark, A. 2019. Experimental evidence of gradual size-dependent shifts in body size and growth of fish in response to warming. <i>Global Change Biology</i> , 25, pp. 2285–2295
	2.	Lindmark, M. , Ohlberger, J., Huss, M. and Gårdmark, A. 2019. Size-based ecological interactions determine effects of warming on food web stability. <i>Ecology Letters</i> , 22(5), pp. 778–786
	1.	Lindmark, M. , Huss, M., Ohlberger, J. and Gårdmark, A. 2018. Temperature-dependent body size effects determine population responses to climate warming. <i>Ecology letters</i> , 21(2), pp. 181–189
In prep		Thunell, V., Lindmark, M. , Huss, M., and Gårdmark, A. Effects of warming on intraguild predator communities with ontogenetic diet-shifts (<i>in review, AmNat</i>)
		Lindmark, M. , Audzijonyte, A., Blanchard, J. L. and Gårdmark, A. Bottom up and top down effects of temperature on body growth, population size spectra and yield. (<i>thesis chapter</i>)
		Lindmark, M. , Anderson, S. C. and Casini, M. Evaluating drivers of spatiotemporal changes in the condition of Eastern Baltic cod. (<i>in prep</i>)
		Lindmark, M. , Karlsson, M., and Gårdmark, A. Larger but younger fish when growth compensates for higher mortality in warmed ecosystem (<i>In prep</i>)

ICES groups	working	WGGRFY: joint ICES/PICES Working Group on Impacts of Warming on Growth Rates and Fisheries Yields (WGGRFY). <i>member</i>
Non peer-reviewed publications		<p>Havs- och vattenmyndigheten 2019. Fisk- och skaldjursbestånd i hav och sötvatten 2018. Resursöversikt. Havs- och vattenmyndighetens rapport 2019:4. Göteborg, 305 s.</p> <p>Havs- och vattenmyndigheten 2018. Fisk- och skaldjursbestånd i hav och sötvatten 2017. Resursöversikt. Göteborg, 273 s.</p> <p>Havs- och vattenmyndigheten 2016. Fisk- och skaldjursbestånd i hav och sötvatten 2016. Resursöversikt</p>
Honors and awards	2019	Sven och Dagmar Saléns stiftelse (Travel grant) (5 616 SEK)
	2018	Knut and Alice Wallenbergs foundation (Travel grant) (24 000 SEK)
	2016	SLU funds for internationalization of graduate education (Travel grant) (28 000 SEK)
	2015	Lindsay Laird Prize , In recognition of all-round performance in the Applied Marine and Fisheries Ecology program throughout the year. Awarded jointly with another student.
	2014	Fishmongers' Award , Scholarship recipient, full fees payment (£3400) awarded to 1 MRes/MSc student on academic merit by the Fishmongers' Company
	2014	Stipend from Gothenburg Biological Society for well accomplished bachelor's thesis: <i>By-catch in pelagic fisheries: A study on by-catch in Swedish herring fisheries on the west coast in the winter of 2013/2014</i>
	2010	Stipend awarded for academic achievement (top 10% of science students in class): Stiftelsen Hvitfeldtska gymnasiets samfond
Research visits	2017 Mar-Jun	School of Aquatic and Fishery Sciences (SAFS), University of Washington (UW) . Attended course Mathematical Ecology (prof. Mark Kot) and collaborated with Jan Ohlberger (PhD advisor)
Teaching	2019	Teaching assistant, Sustainability perspectives on contemporary fisheries. Where have all the fishes gone? (Lecture on climate impacts on global fisheries)
	2018-2019	Teaching assistant, Ecology for fish management and conservation (wrote R lab <i>Population dynamics and harvesting</i> , lecture on fish morphology, physiology, and energetics, exam questions and marking)
	2018-2019	Teaching assistant, Principles in Fisheries Science (wrote R lab <i>Impacts of fishing in an ecological context</i>)
	2018	LunchR A department wide R course in data wrangling and plotting (4x1 hour). Solely initiated and organized together with student colleague Philip Jacobson
	2017	Teaching assistant, Ecology for fish management and conservation (supervising case study, providing R-code for computer lab on stage-structured biomass dynamics under harvesting)

	2016	Teaching assistant, Ecology for fish management and conservation
Supervision	2019	Malin Karlsson (Master's degree project, main supervisor) The effect of temperature on life history traits of perch (<i>Perca fluviatilis</i>) in a large scale natural climate change experiment and its implications for population age- and size structure?
	2016	Mattias Grunander (Master's degree project, co-supervisor) Effects of global warming on Eurasian perch (<i>Perca fluviatilis</i>) in the Baltic Sea. - Does the growth response to increased temperatures differ along a latitudinal gradient?
Conferences	2021 Feb	Swedish Oikos Meeting, Online (Talk) <i>Evaluating drivers of spatiotemporal changes in the condition of Eastern Baltic cod</i>
	2019 Aug	Baltic Sea Science Congress, Stockholm (Talk) <i>Warming alters the effect of fishing on the size spectra of an exploited temperate food web</i>
	2019 Jun	Society for Experimental Biology (Satellite: Is global warming causing animals to shrink? evidence, mechanisms and models), Seville (Talk) <i>Physiological constraints to growing large in warm waters?</i>
	2019 Feb	Swedish Oikos Meeting, Uppsala (Talk) <i>Physiological constraints to growing large in warm waters?</i>
	2018 Apr	Models in Population Dynamics, Ecology, and Evolution (MPDEE'18), Leicester (Talk) <i>Species interactions determine effects of warming on stability in a stage-structured food chain</i>
	2018 Feb	Nordic Oikos Meeting, Trondheim (Talk) <i>Species interactions determine effects of warming on stability in a stage-structured food chain</i>
	2017 Feb	Swedish Oikos Meeting, Lund (Talk) <i>Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations</i>
Invited talks	2021 May	Gulf of Maine Research Institute May Seminar (GMRI) (video) <i>Understanding the effects of climate warming on food webs via individual-level physiology</i>
Reviewed for:		ICES Journal of Marine Science (5) Oikos (2) Ecology (1) Scientific Reports (1) Functional Ecology (1) PLOS ONE (1)
Workshops organized	2019	Making graphics in R for popular report on status of fishes in Swedish
	2018 Oct	Modelling population dynamics Organized a session on <i>Numerical continuation analysis of a predator-prey model</i>
	2018 Mar	LunchR Organized a department wide 4-session long lunch workshop on plotting and data manipulation in R (organized together with Philip Jacobson)
Academic service	2019	PhD Representative Department
	2014-2015	Class representative Applied Marine and Fisheries Ecology, MRes I represented students' opinions and views on the program in regular meetings with course- and program coordinators at the University of Aberdeen

	2014-2015	Student Ambassador Applied Marine and Fisheries Ecology I communicated with prospective students, mostly through social media
Outreach	2016-2020	Co-managing research group's Instagram account @fishinfoodwebs
	2017 Sep	SLU 40th Anniversary, Uppsala (Poster) Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations
	2017 Nov	Science evenings (high school), Östhammar municipality (Talk) Effects of warming on fishes
	2014 May	Gothenburg Biological Society Popular talk at the Gothenburg Museum of Natural History on bycatch in small scale pelagic fisheries on the west coast of Sweden
	2011-2014	Swedish Society for Nature Conservation I have given public talks (presenting on the topic of toxins in the Baltic herring in 2014) at local festivals (<i>go: TO SEA and Västerhavsveckan</i>)
Other	2011-2014 2018	Arranged seminar (4*2 per year) series at the Gothenburg Museum of Natural History with invited speakers, covering all things marine Initiator and admin of department wide R-users mailing list. (w. Philip Jacobson)