

# Max Lindmark

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Professional positions	2020 Jun - 2022 Jun	<b>Postdoctoral researcher</b> <b>Swedish University of Agricultural Sciences</b> , Department of Aquatic Resources (SLU Aqua), Institute of Marine Research
Education	2016 Feb - 2020 May	<b>Swedish University of Agricultural Sciences</b> , 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	<b>University of Aberdeen</b> , 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	<b>University of Gothenburg</b> , BSc Biology (2:1 equivalent). Majority of courses completed with pass with special distinction
Publications	4.	<b>Lindmark, M.</b> , Ohlberger, J., and Gårdmark, A. 2020. Optimum growth temperature declines with body size within fish species. <i>BioRxiv</i> . doi: <a href="https://doi.org/10.1101/2021.01.21.427580">https://doi.org/10.1101/2021.01.21.427580</a>
	3.	Huss, M., <b>Lindmark, M.</b> , 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.	<b>Lindmark, M.</b> , 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.	<b>Lindmark, M.</b> , 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., <b>Lindmark, M.</b> , Huss, M., and Gårdmark, A. Effects of warming on intraguild predator communities with ontogenetic diet-shifts ( <i>in review, AmNat</i> )
		<b>Lindmark, M.</b> , 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> )
		<b>Lindmark, M.</b> , Anderson, S. C. and Casini, M. Evaluating drivers of spatiotemporal changes in the condition of Eastern Baltic cod. ( <i>in prep</i> )
		<b>Lindmark, M.</b> , 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	<b>Sven och Dagmar Saléns stiftelse</b> (Travel grant) (5 616 SEK)
	2018	<b>Knut and Alice Wallenbergs foundation</b> (Travel grant) (24 000 SEK)
	2016	<b>SLU funds for internationalization of graduate education</b> (Travel grant) (28 000 SEK)
	2015	<b>Lindsay Laird Prize</b> , In recognition of all-round performance in the Applied Marine and Fisheries Ecology program throughout the year. Awarded jointly with another student.
	2014	<b>Fishmongers' Award</b> , Scholarship recipient, full fees payment (£3400) awarded to 1 MRes/MSc student on academic merit by the Fishmongers' Company
	2014	Stipend from <b>Gothenburg Biological Society</b> 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	<b>School of Aquatic and Fishery Sciences (SAFS), University of Washington (UW)</b> . Attended course Mathematical Ecology (prof. Mark Kot) and collaborated with Jan Ohlberger (PhD advisor)
Teaching	2019	Teaching assistant, <b>Sustainability perspectives on contemporary fisheries. Where have all the fishes gone?</b> (Lecture on climate impacts on global fisheries)
	2018-2019	Teaching assistant, <b>Ecology for fish management and conservation</b> (wrote R lab <i>Population dynamics and harvesting</i> , lecture on fish morphology, physiology, and energetics, exam questions and marking)
	2018-2019	Teaching assistant, <b>Principles in Fisheries Science</b> (wrote R lab <i>Impacts of fishing in an ecological context</i> )
	2018	<b>LunchR</b> 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, <b>Ecology for fish management and conservation</b> (supervising case study, providing R-code for computer lab on stage-structured biomass dynamics under harvesting)

	2016	Teaching assistant, <b>Ecology for fish management and conservation</b>
Supervision	2019	<b>Malin Karlsson (Master's degree project, main supervisor)</b> 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	<b>Mattias Grunander (Master's degree project, co-supervisor)</b> 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	2019 Aug	<b>Baltic Sea Science Congress, Stockholm (Talk)</b> <i>Warming alters the effect of fishing on the size spectra of an exploited temperate food web</i>
	2019 Jun	<b>Society for Experimental Biology (Satellite: Is global warming causing animals to shrink? evidence, mechanisms and models), Seville (Talk)</b> <i>Physiological constraints to growing large in warm waters?</i>
	2019 Feb	<b>Swedish Oikos Meeting, Uppsala (Talk)</b> <i>Physiological constraints to growing large in warm waters?</i>
	2018 Apr	<b>Models in Population Dynamics, Ecology, and Evolution (MPDEE'18), Leicester (Talk)</b> <i>Species interactions determine effects of warming on stability in a stage-structured food chain</i>
	2018 Feb	<b>Nordic Oikos Meeting, Trondheim (Talk)</b> <i>Species interactions determine effects of warming on stability in a stage-structured food chain</i>
	2017 Feb	<b>Swedish Oikos Meeting, Lund (Talk)</b> <i>Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations</i>
Reviewed for:		ICES Journal of Marine Science (5)   Oikos (2)   Ecology (1)   Scientific Reports (1)   Functional Ecology (1)
Workshops organized	2019	<b>Making graphics in R for popular report on status of fishes in Swedish</b>
	2018 Oct	<b>Modelling population dynamics</b> Organized a session on <i>Numerical continuation analysis of a predator-prey model</i>
	2018 Mar	<b>LunchR</b> Organized a department wide 4-session long lunch workshop on plotting and data manipulation in R (organized together with Philip Jacobson)
Academic service	2019	<b>PhD Representative</b> Department
	2014-2015	<b>Class representative Applied Marine and Fisheries Ecology, MRes</b> I represented students' opinions and views on the program in regular meetings with course- and program coordinators at the University of Aberdeen
	2014-2015	<b>Student Ambassador Applied Marine and Fisheries Ecology</b> I communicated with prospective students, mostly through social media
Outreach	2016-2020	<b>Co-managing research group's Instagram account @fishinfoodwebs</b>

	2017 Sep	<b>SLU 40<sup>th</sup> Anniversary, Uppsala</b> (Poster) Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations
	2017 Nov	<b>Science evenings (high school), Östhammar municipality</b> (Talk) Effects of warming on fishes
	2014 May	<b>Gothenburg Biological Society</b> Popular talk at the Gothenburg Museum of Natural History on bycatch in small scale pelagic fisheries on the west coast of Sweden
	2011-2014	<b>Swedish Society for Nature Conservation</b> 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> )
	2011-2014	Arranged seminar (4*2 per year) series at the Gothenburg Museum of Natural History with invited speakers, covering all things marine
Other	2018	<b>Initiator and admin of department wide R-users</b> mailing list. (w. Philip Jacobson)